



AALBORG UNIVERSITET

Den 2. oktober 2017

Det Tekniske Fakultet for IT og Design

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Skriftlig høring TECH Akademisk Råd pr. 4. oktober 2017

1.	Indstilling vedr. sammensætning af sagkyndige udvalg vedr. professor stillingerne i: A. "Signal Processing for Communications" ved Institut for Elektroniske Systemer (stilling 50126) B. "Planning and Impact Assessment in the Arctic" ved Institut for Planlægning (stilling 50127) C. "Energy Planning and Renewable Energy Systems" ved Institut for Planlægning (stilling 60225) D. "Environmental Sustainable Architecture" ved Institut for Arkitektur og Medieteknologi (stilling 60227) E. "Techno-Anthropology and Participation" ved Institut for Planlægning (stilling 60228) Bilag 041017-1
2.	Indstilling vedr. sammensætning af sagkyndigt udvalg vedr. adjunkt stillingen i: A. "Industrial Design" ved Institut for Arkitektur og Medieteknologi (stilling 201731) Bilag 041017-2
3.	Indstillinger vedr. sammensætning af sagkyndige udvalg vedr. postdoc stillingerne i: A. "Speech Intelligibility Enhancement Using Deep Neural Networks" ved Institut for Elektroniske Systemer (stilling P21736) B. "Wireless Communications for IoT and CPS" ved Institut for Elektroniske Systemer (stilling P21737) C. "Joint Optimization of Heat and Power Systems" ved Institut for Elektroniske Systemer (stilling P21738) D. "Control Theory" ved Institut for Elektroniske Systemer (stilling P21739) Bilag 041017-3

OBS! Vedr. bedømmelsesudvalg – i de tilfælde hvor ansøgningsfristen ligger efter Akademisk Råds mødet/skriftlig høring kontrolleres der efterfølgende for inhabilitet og sammensætning af udvalget (kvindelig bedømmer). Hvis der konstateres uregelmæssigheder, vil dekanen/formanden godkende nyt/nye medlemmer.

Det gælder for såvel bedømmelsesudvalg nedsat via de skriftlige høringer som ved de ordinære møder.

**Fortegnelse over bedømmelsesudvalg til
stilling 50126 Professor with Specific Responsibilities in Signal Processing for Communications
ved Department of Electronic Systems**

Navn: Professor Klaus I. Pedersen

Arbejdssted: Department of Electronic Systems, AAU

E-mail:

Navn: Professor Angel Lozano

Arbejdssted: University Pompeu Fabra, Spain

E-mail:

Navn: Professor Inbar Fijalkow

Arbejdssted: University of Cergy-Pontoise - CNRS

E-mail:

Akademisk Råd har taget stilling til, at medlemmer af bedømmelsesudvalget er sagkyndige inden for stillingsområdet på et niveau, der mindst svarer til det, der forudsættes for stillingen, dog ikke under lektorniveau.

Professor with Specific Responsibilities in Signal Processing for Communications.

Position No.

50126

Godkendt af



Henrik Pedersen

dekan

At the Technical Faculty of IT and Design, Department of Electronic Systems, a position as Professor with Special Responsibilities in Signal Processing for Communications is open for appointment from December 1, 2017 or soon hereafter. The position is available for a period of 5 years.

The Department of Electronic Systems is one of the largest departments at Aalborg University with a total of more than 250 employees. The department is internationally recognized in particular for its contributions within Information and Communication Technology (ICT). The research and teaching of the Department of Electronic Systems focus on electronic engineering and the activity areas are organized in the sections: Antennas, Propagation and Millimeter wave Systems (APMS), Connectivity (CNT), Automation Control section (Control), Signal and Information Processing section (SIP), Wireless Communication Networks section (WCN) and Communication, Media and Information technologies (CMI).

The department focuses on maintaining a close interplay with the university's surroundings - locally, nationally and internationally – as well as producing unique basic research and educating talented and creative engineers. The department collaborates with leading ICT researchers all over the world.

Job description

The Connectivity section seeks to appoint a full-time Professor with special responsibilities in the field of signal processing for communications.

The applicant is expected to have research qualifications at the doctoral level within signal processing, and in particular with strong expertise in MIMO communications systems. The specific research areas of interest include, but not limited, the following:

- Statistical signal processing
- Estimation theory
- Optimization
- MIMO communications, MIMO for small terminals, massive MIMO, millimeter Wave Systems
- Full duplex systems
- Machine type communications
- Cross layer designs: phy/MAC and incorporation of antenna design in phy layer design
- Ultra reliable and low latency communications
- MIMO Channel Experience in designing experiments.

The position requires experience in managing research projects with academic and industrial partners, supervision of BSc/MSc students, PhD students and post-docs. Teaching will primarily be in regular BSc/MSc study program in Electrical Engineering.

The position involves initiation and preparation of research funding applications, initiation of cooperation with academic and industrial local and international partners, as well as dissemination of research results. The applicant is expected to show an ability for academic cooperation at an international level.

The applicant is expected to fulfill management tasks within the CNT section and participate in the definition of strategies for research and education.

A position as Professor with specific responsibilities is temporary with focus on specific projects as well as ordinary professorship duties. The period of employment is three to eight years, and prolongation is possible but cannot exceed eight years in total. The position is normally established for the purpose of appointing particularly talented researchers with the ability to develop a promising academic field at an international level.

At the end of the period, the special responsibilities are discontinued and the employee

in question transfers to a position as associate professor at the university.

Further professional information can be obtained from Professor Petar Popovski, email peparp@es.aau.dk or phone (+45) 9940 9897.

Qualification requirements:

The level of qualifications shall correspond to the ordinary positions at the level of Professor however, also the potential of the candidate to further develop the academic fields in question as well as a documented original scientific production shall be taken into consideration. An assessment of the ability of the candidate to undertake the specific projects related to the appointment in question will be particularly emphasised. Furthermore, the candidate will be expected to have the qualifications required for undertaking teaching responsibilities.

The application must contain the following:

- A motivated text wherein the reasons for applying, qualifications in relation to the position, and intentions and visions for the position are stated.
- A current curriculum vitae.
- Copies of relevant diplomas (Master of Science and PhD). On request you could be asked for an official English translation.
- Scientific qualifications. A complete list of publications must be attached with an indication of the works the applicant wishes to be considered. You may attach up to 10 publications.
- Teaching qualifications described in the teaching portfolio. If this is not enclosed the applicant must include an explanation for its absence.
- Dissemination qualifications, including participation on committees or boards, participation in organisations and the like.
- Additional qualifications in relation to the position.
- References/recommendations.
- Personal data.

The applications are only to be submitted online by using the "Apply online" button below.

An assessment committee will assess all candidates.

For further information concerning the application procedure please contact Anne Christoffersen by mail ach@adm.aau.dk or phone (+45) 9940 9680.

Information regarding guidelines, ministerial circular in force, teaching portfolio and procedures can be seen [here](#).

Workplace

Aalborg

Agreement

Employment is in accordance with the Ministerial Order on the Appointment of Academic Staff at Universities (the Appointment Order) and the Ministry of Finance's current Job Structure for Academic Staff at Universities. Employment and salary are in accordance with the collective agreement for state-employed academics.

Deadline

04/10/2017

[Apply online](#)

Aalborg University (AAU) conducts teaching and research to the highest level in the fields of humanities, engineering, and natural, health, and social sciences.

[top](#)

Angel Lozano, Ph.D.

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Revision date: June 16th, 2017.

Vita

Angel Lozano is a Professor of Information and Communication Technologies at UPF (Universitat Pompeu Fabra) in Barcelona, Spain, where he teaches and conducts research on wireless communications as head of the WiCom (Wireless Communications) Group. Born in Manresa, Spain, Prof. Lozano received the Telecommunications Engineering degree from UPC, Spain, in 1992 and the Master of Science and Ph.D. degrees in Electrical Engineering from Stanford University, USA, in 1994 and 1998, respectively. Contemporarily, between 1996 and 1998, he also worked for Rockwell Semiconductor Systems (now Conexant Systems) in San Diego, USA. In 1999, he joined Bell Labs (Lucent Technologies, now Alcatel-Lucent) in Holmdel, USA, where he was a member of the Wireless Communications Research Department until 2008. Between 2005 and 2008 he was also an Adjunct Associate Professor of Electrical Engineering at Columbia University, NY, USA. Prof. Lozano is a Fellow of the IEEE since 2014. He has served as associate editor for the IEEE Transactions on Information Theory (2011-2014), the IEEE Transactions on Communications (1999-2009) and the Journal of Communications & Networks (2010-2012), has guest-edited various journal special issues, and is actively involved in committees and conference organization tasks for the IEEE. In particular, he was Chair of the IEEE Communication Theory Technical Committee (2013-2014), an elected member of the Board of Governors of the IEEE Communications Society (2012-2014) and he is a current member of the steering committee for the IEEE Wireless Communication Letters. He has further participated in standardization activities for 3GPP, 3GPP2, IEEE 802.20 and the IETF. Prof. Lozano has published extensively, holds 15 patents, and has contributed to several books. His papers have received several awards, including the 2009 Stephen O. Rice prize to the best paper published in the IEEE Transactions on Communications, the 2016 Fred W. Ellersick prize to the best paper published in the IEEE Communications Magazine, and the 2016 Communications Society & Information Theory Society joint paper award. He also received the Bell Labs President's Gold Award in 2002, the ICREA Academia Award from the Catalan Government in 2011 and 2016, and an ERC Advanced Grant for the period 2016-2021. He has held visiting appointments at The University of Texas at Austin (USA), University of Minnesota (USA), Imperial College (UK), University of Edinburgh (UK), University of Toronto (Canada), the Hebrew University of Jerusalem (Israel), Southeast University (China), and Universidad Técnica Federico Santa María (Chile).

Education

- Ph.D. in Electrical Engineering.
[Stanford University](http://www.dtic.upf.edu/~alozano/resume/index.html), Stanford, CA, USA.
January 1999.
Dissertation: *Integrated dynamic channel assignment and power control for mobile wireless communication systems.*

Advisor: Donald C. Cox.

- Master of Science in Electrical Engineering.
[Stanford University](#), Stanford, CA, USA.
December 1994.
- Ingeniero de Telecomunicación.
[Universitat Politècnica de Catalunya](#), Barcelona, Spain.
May 1992.

Academic Positions

- Professor.
Department of Information & Communication Technologies, [Universitat Pompeu Fabra](#), Barcelona, Spain.
Since January 2008.

Teaching on various communication theory topics at both the undergraduate and graduate levels. Graduate teaching takes place under the framework of the Master in [Advanced Sciences in Modern Telecommunications](#) offered jointly by UPF and by Universitat de Valencia. The curriculum taught includes courses on "Digital Communication Theory" and on "Advanced Wireless Communications and Mobility."

- Adj. Associate Professor.
Department of Electrical Engineering, [Columbia University](#), New York City, NY, USA.
January 2006 - August 2008.

Instructor for several graduate courses, including "ELEN E4703 Wireless Communications", "ELEN E4702 Communication Theory" and "ELEN E6880 Space-Time Coding & Signal Processing." Most of these courses were broadcast and webcast by the Columbia Video Network.

- Visiting Appointments.
 - Department of Electrical and Computer Engineering, [University of Toronto](#), Toronto, Canada.
Host: Prof. Wei Yui.
Summer 2017.
 - School of Engineering, [University of Edinburgh](#), Edinburgh, UK.
Host: Dr. Tharmalingam Ratnarajah.
Summer 2015.
 - Department of Electrical and Electronic Engineering, [Imperial College](#), London, UK.
Host: Prof. Kin Leung.
Summer 2014.
 - National Mobile Communications Research Laboratory, [Southeast University](#), Nanjing, China.
Host: Prof. Shi Jin.
Summer 2012.
 - Wireless Networking & Communications Group (WNCG), [The University of Texas at](#)

[Austin](#), Austin, USA.

Host: Prof. Robert W. Heath, Jr.

Nov. 2010, Nov. 2011, June 2012.

- Engineering and Computer Science School, [The Hebrew University of Jerusalem](#), Jerusalem, Israel.
Host: Prof. Dana Porrat
Summer 2010.
- Department of Electrical and Computer Engineering, [University of Minnesota](#), Minneapolis, MN, USA.
Host: Prof. Nihar Jindal.
Summer 2009.
- Departamento de Ingenieria Electrica, [Universidad Tecnica Federico Santa Maria](#), Valparaiso, Chile.
Host: Prof. Rodolfo Feick
Summer 2008.

Industrial Experience

- Wireless Communications Research Department, [Bell Labs](#), Holmdel, NJ, USA.
Jan. 1999 - Jan. 2008.

Member of the team that pioneered and demonstrated MIMO (multiple-input multiple-output) communication, now integral part of several wireless standards. Specifically, co-invented the PARC (Per-Antenna Rate Control) MIMO scheme, adopted by the 3GPP (3rd Generation Partnership Project) for UMTS Release 7. Variants of PARC have been adopted by other wireless systems, such as IEEE 802.16 and IEEE 802.20, and for 3GPP's Long-Term Evolution. Also participated in the first demonstration of out-of-cell MIMO interference cancellation at the 2003 IST European Summit in Aveiro, Portugal.

- Rockwell Semiconductor Systems [Now *Conexant Systems*], San Diego, CA, USA.
1996 - 1998.


In parallel with doctoral work, developed dynamic channel assignment algorithms for Japanese PHS (personal handyphone system) in cooperation with operator DDI. Some of these algorithms were adopted for DDI's network.

Distinctions

- Advanced Grant from the European Research Council.
2016-2021.
- [Communications Society & Information Theory Society joint award](#) to the best paper in any publication of either society within the previous 3 calendar years.
July 2016.
- [Fred W. Ellersick Prize](#) to the best paper published in the IEEE Communications Magazine over 3 calendar years.
June 2016.

- Fellow of the [IEEE \(Institute of Electrical and Electronics Engineers\)](#), since 2014.
- [ICREA-Academia](#).
2011-2015 and 2016-2020.
 - ICREA (Catalan Institution for Research & Advanced Studies) is a publicly funded foundation designed to attract and retain talent in Catalonia. The ICREA-Academia prize distinguishes the top academic researchers over 5-year periods.
- [Stephen O. Rice prize](#) to the best paper published in the IEEE Transactions on Communications in 2008.
June 2009.
- Marie Curie international reintegration grant.
Dec. 2007.
- Best paper award, IEEE International Symposium on Spread Spectrum Techniques & Applications (ISSSTA'06), Manaus, Brazil.
Aug. 2006.
- Central Bell Labs teamwork award.
May 2004.
- Bell Labs President's Gold Award on research excellence.
2002.
- Fellowship ["la Caixa"](#) to pursue graduate studies in the US.
1992.

University Appointments

- Vice-Rector for Research, UPF.
Sept. 2011  Jan. 2017.
- Chair, Dept. of Information & Communication Technologies Graduate Studies Committee, UPF.
Sept. 2009 - Sept. 2011.
- Vice-Chair, Dept. of Information & Communication Technologies, UPF.
July 2010 - Sept. 2011.
- Academic Secretary, Dept. of Information & Communication Technologies, UPF.
September 2008 - June 2010.
- Member, UPF Graduate Studies Committee.
April 2009, Sept. 2011.
- UPF Coordinator, Master in Advanced Sciences of Modern Telecommunications.
Since Sept. 2008.

Professional Service

Memberships

- Member-at-Large of the Board of Governors, [IEEE Communications Society](#), elected for the term 2012-2014.
- Chair, [IEEE Communication Theory Technical Committee](#), 2013-2014.
- Vice-Chair, [IEEE Communication Theory Technical Committee](#), 2011-2012.
- Member of the selection committee for the "[la Caixa](#)" Graduate Fellowship Program, 2010, 2011, 2012, 2013 and 2017.

Editorial Positions

- Guest Editor, IEEE Journal on Selected Areas in Communications (special issue on [5G Wireless Communication Systems](#)).
Jan. 2015.
- Associate Editor, [IEEE Transactions on Information Theory](#).
2011-2015.
- Associate Editor, [Journal of Communications and Networks](#).
2010-2012.
- Associate Editor, [IEEE Transactions on Communications](#).
1999-2009.
- Guest Editor, Eurasip Journal on Wireless Communications & Networking (special issue on [3GPP LTE and LTE Advanced](#)).
Sept. 2009.
- Guest Editor, IEEE Wireless Communications (special issue on [Advances in Smart Antennas](#)).
Aug. 2006.
- Steering Committee Member, [IEEE Wireless Communications Letters](#).
2015-2018.

Conference Organizing Committees

- Technical Co-Chair, IEEE Wireless Communications & Networking Conference (WCNC'17), San Francisco, USA.
March 2017.
- Technical Co-Chair, IEEE Communication Theory Workshop (CTW'16), Nafplio, Greece.
May 2016.
- Theme Co-Chair, Frontiers of Engineering (FoE 2013), organized by the US National Academy of Engineering and the European Council of Applied Sciences & Engineering, Chantilly, France.
Nov. 2013.
- Technical Co-Chair, Communication Theory Symposium, IEEE International Conference on Communications (ICC'13), Budapest, Hungary.

June 2013.

- General Co-Chair, Beyond LTE-A International Workshop, Budapest, Hungary.
June 2013.
- Local Co-Chair, IEEE Communication Theory Workshop (CTW'11), Sitges, Spain.
May 2011.
- General Co-Chair, 11th Winter School on Information Theory, Barcelona, Spain.
Mar. 2011.
- Technical Co-Chair, IEEE Communication Theory Workshop (CTW'10), Cancun, Mexico.
May 2010.
- Local Co-Chair, International Workshop on Computational Advances in Multi-Sensor Adaptive Processing (CAMSAP'09), Aruba.
Dec. 2009.
- Invited Papers Co-Chair, [IEEE Vehicular Technology Conference\(VTC'09 Spring\)](#), Barcelona, Spain.
Apr. 2009.
- Industry Liaison, [IEEE Communication Theory Workshop \(CTW'08\)](#), St. Croix, U.S. Virgin Islands, USA.
May 2008.
- Industry Chair, International Conference on Access Networks (AccessNets'07), Ottawa, Canada.
Aug. 2007.
- Finances, IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC'05), New York City, NY, USA.
June 2005.

Technical Program Committees

- IEEE International Symposium on Information Theory (ISIT'17), Aachen, Germany.
June 2017.
- International Symposium on Telecommunications (IST'16), Tehran, Iran.
Sept. 2016.
- IEEE International Symposium on Information Theory (ISIT'16), Barcelona, Spain.
July 2016.
- IEEE International Workshop on 5G Technologies, Sydney, Australia.
June 2014.
- Workshop on Physics-Inspired Paradigms in Wireless Communications & Networks (PHYSCOMNET'14), Hammamet, Tunisia.
May 2014.
- IEEE Information Theory Workshop (ITW'13), Sevilla, Spain.

- Sept. 2013.
- IEEE International Symposium on Information Theory (ISIT'13), Istanbul, Turkey.
July 2013.
 - IEEE International Workshop on Cloud Base-Station and Large-Scale Cooperative Communications, Anaheim, USA.
Dec. 2012.
 - IEEE International Conference on Communications (ICC'12), Ottawa, Canada.
June 2012.
 - IEEE Information Theory Workshop (ITW'11), Paraty, Brazil.
Oct. 2011.
 - IEEE International Conference on Communications (ICC'11), Kyoto, Japan.
June 2011.
 - IEEE International Conference on Smart Grid Communications (SmartGridComm'10), Gaithersburg, USA.
Oct. 2010.
 - International Conference on Computer Communication Networks (ICCCN'10), Zurich, Switzerland.
Aug. 2010.
 - IEEE International Workshop on Femtocells (FEMnet), Miami, USA.
Dec. 2010.
 - 1st IEEE International Workshop on Indoor and Outdoor Femto Cells (IOFC), Tokyo, Japan.
Sept. 2009.
 - IEEE Global Telecommunications Conference (GLOBECOM'09), Honolulu, HI, USA.
Nov. 2009.
 - IEEE International Conference on Communications (ICC'08), Beijing, China.
May 2008.
 - IEEE Wireless Communications & Networking Conference (WCNC'07), Hong Kong, China.
Mar. 2007.
 - IEEE Radio & Wireless Symposium (RWS'07), Long Beach, CA, USA.
Jan. 2007.
 - International Workshop on Wireless Ad-hoc & Sensor Networks (IWWAN'06), New York City, NY, USA.
May 2006.
 - IEEE Global Telecommunications Conference (GLOBECOM'06), San Francisco, CA, USA.
Dec. 2006.
 - IEEE Radio & Wireless Symposium (RWS'06), San Diego, CA, USA.

Jan. 2006.

- IEEE International Symposium on Personal, Indoor & Mobile Radio Communications (PIMRC'05), Berlin, Germany.
Sept. 2005.
- IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC'05), New York City, NY, USA.
June 2005.
- IEEE International Symposium on Personal, Indoor & Mobile Radio Communications (PIMRC'04), Barcelona, Spain.
Sept. 2004.
- IEEE International Symposium on Spread Spectrum Techniques & Applications (ISSSTA'04), Sydney, Australia.
Sept. 2004.
- IEEE Global Telecommunications Conference (GLOBECOM'03), San Francisco, CA, USA.
Dec. 2003.
- IST European Summit, Aveiro, Portugal.
2003.
- IEEE International Conference on Communications (ICC'02), New York City, NY, USA.
Apr. 2002.
- IEEE Global Telecommunications Conference (GLOBECOM'00), San Francisco, CA, USA.
Dec. 2000.

Steering and Advisory Committees

- [IEEE Communication Theory Workshop \(CTW'17\)](#), Suva, Fiji.
May 2017.
- [IEEE Communication Theory Workshop \(CTW'15\)](#), Dana Point, CA, USA.
May 2015.
- [International Conference on Signal Processing and Communication Systems \(ICSPCS\)](#).
- [International Workshop on Multiple Access Communications \(MACOM\)](#).
- [International Symposium on Applied Sciences in Biomedical and Communications Technologies \(ISABEL\)](#).
- International Conference on Recent Advances in Information Technology (RAIT-2012), Dhanbad, India.
Mar. 2012.

Chaired Conference Sessions

- Asilomar Conference on Signals, Systems & Computers, Pacific Grove, CA, USA.

Nov. 2016.

- IEEE International Symposium on Information Theory (ISIT'16), Barcelona, Spain.
July 2016.
- Asilomar Conference on Signals, Systems & Computers, Pacific Grove, CA, USA.
Nov. 2015.
- IEEE Communication Theory Workshop (CTW'11), Sitges, Spain.
June 2011.
- IEEE International Conference on Communications (ICC'11), Kyoto, Japan.
June 2011.
- IEEE International Workshop on Multiple Access Communications (MACOM'10), Barcelona, Spain.
Sept. 2010.
- IEEE International Symposium on Information Theory (ISIT'10), Austin, USA.
June 2010.
- IEEE Communication Theory Workshop (CTW'10), Cancun, Mexico.
May 2010.
- European Wireless 2010, Lucca, Italy.
Apr. 2010.
- International Zurich Seminar (IZS'10), Zurich, Switzerland.
Mar. 2010.
- International Workshop on Computational Advances in Multi-Sensor Adaptive Processing (CAMSAP'09), Aruba.
Dec. 2009.
- IEEE International Conference on Communications (ICC'08), Beijing, China.
May 2008.
- Asilomar Conference on Signals, Systems & Computers, Pacific Grove, CA, USA.
Nov. 2007.
- IEEE International Conference on Communications (ICC'06), Istanbul, Turkey.
June 2006.
- IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC'05), New York City, NY, USA.
June 2005.
- IEEE International Conference on Communications (ICC'05), Seoul, Korea.
May 2005.
- International Symposium on Personal, Indoor & Mobile Radio Communications (PIMRC'04), Barcelona, Spain.

Sept. 2004.

- IEEE International Symposium on Spread Spectrum Techniques & Applications (ISSSTA'04), Sydney, Australia.
Sept. 2004.
- Information Society Technologies (IST) European Summit, Aveiro, Portugal.
June 2003.
- IEEE International Conference on Communications (ICC'02), New York, NY, USA.
Apr. 2002.
- Information Society Technologies (IST) European Summit, Sitges, Spain.
Sept. 2001.
- IEEE Vehicular Technology Conference (VTC'01), Rhodes, Greece.
May 2001.
- IEEE Global Telecommunications Conference (GLOBECOM'00), San Francisco, CA, USA.
Dec. 2000.
- Conference on Information Sciences & Systems (CISS'00), Princeton, NJ, USA.
Mar. 2000.

Tutorials

- [*Invited tutorial*] A. Lozano, C. Papadias, "[MIMO systems for wireless communication](#)", online tutorial offered by the IEEE Communications Society.
- A. Lozano, C. Papadias, "MIMO systems for wireless communication", tutorial delivered at the IEEE International Conference on Communications (ICC'06), Istanbul, Turkey, June 2006.
- [*Invited tutorial*] A. Lozano, C. Papadias, "An introduction to MIMO systems for wireless communications", tutorial delivered at the IEEE International Conference on Acoustics, Speech & Signal Processing (ICASSP'05), Philadelphia, PA, USA, Mar. 18th 2005.

Invited Panels

- "Will Future Wireless Systems Be Cooperative, Massive or Messy?", panel discussion at the IEEE Communication Theory Workshop (CTW'13), Phuket, Thailand, June 24th 2012.
- "Views on Beyond-4G", panel discussion at the International Workshop on Emerging Technologies for LTE-Advanced and Beyond-4G, Anaheim, USA, Dec. 3rd 2012.
- "Cellular 10x", panel discussion at the IEEE Communication Theory Workshop (CTW'10), Cancun, Mexico, May 10th 2010.
- "The physical layer is dead", panel discussion at the IEEE Vehicular Technology Conference (VTC'09, Spring), Barcelona, Spain, Apr. 29th 2009.
- "MIMO technologies - Since then", panel discussion at the Wireless Personal Multimedia Communications (WPMC'05), Aalborg, Denmark, Sept. 19th 2005.

Standards Participation

- [3GPP \(3rd Generation Partnership Project\)](#) Radio Access Network Working Group for UMTS HSPA and Long-Term Evolution. 2006 - 2007.
- [IEEE 802.20](#) working group for mobile broadband wireless access. 2005.
- [Internet Engineering Task Force](#) networking working group. 2009.

Review Activities

- Journals. Served as reviewer for:
 - *IEEE Transactions on Antennas and Propagation.*
 - *IEEE Communications Letters.*
 - *IEEE Transactions on Communications.*
 - *IEEE Transactions on Wireless Communications.*
 - *IEEE Journal on Selected Areas in Communications.*
 - *ETRI (Electronics and Telecommunications Research Institute) Journal.*
 - *IEEE Transactions on Information Theory.*
 - *Foundations and Trends in Communications and Information Theory.*
 - *IEEE Transactions on Vehicular Technology.*
 - *IEEE Transactions on Signal Processing.*
 - *EURASIP Journal on Applied Signal Processing.*
 - *Elsevier Signal Processing Journal.*
 - *IET Communications.*
 - *IEEE Signal Processing Magazine.*
- Conferences. Served as reviewer for:
 - *IEEE International Workshop on Wireless Ad-hoc and Sensor Networks (IWWAN).*
 - *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP).*
 - *IEEE Radio and Wireless Communications Conference (RWS).*
 - *IEEE International Symposium on Spread Spectrum Techniques and Applications (ISSSTA).*

- *IEEE Vehicular Technology Conference (VTC).*
- *IEEE Global Telecommunications Conference (GLOBECOM).*
- *IEEE International Conference on Communications (ICC).*
- *IEEE Wireless Communications and Networking Conference (WCNC).*
- *Asilomar Conference on Signals, Systems and Computers.*
- *IEEE International Symposium on Information Theory (ISIT).*
- *Conference on Information Sciences & Systems (CISS).*
- *International Symposium on Personal, Indoor & Mobile Radio Communications (PIMRC).*
- *IEEE Information Theory Workshop (ITW).*
- *European Signal Processing Conference (EUSIPCO).*
- Editorial Houses. Served as reviewer for:
 - [*Cambridge University Press.*](#)
 - [*Prentice Hall \(Pearson Higher Education\).*](#)

Publications

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Monographs

1. A. Lozano, "Dynamic Channel Assignment & Power Control for Wireless Communication", ISBN 978-3-8383-2060-1, Lambert Academic Publishing, 2009.

Journal Papers

1. R. K. Mungara, I. Thibault, A. Lozano, "[Full-Duplex MIMO in Cellular Networks: System-level Performance](#)", IEEE Transactions on Wireless Communications, Vol. 16, No. 5, May 2017, pp. 3124-3137.
2. G. George, R. K. Mungara, A. Lozano, M. Haenggi, "[Ergodic Spectral Efficiency in MIMO Cellular Networks](#)", IEEE Transactions on Wireless Communications, Vol. 16, No. 5, May 2017, pp. 2835-2849.
3. G. George, K. Venugopal, A. Lozano, R. W. Heath Jr., "[An Enclosed mmWave Wearable Networks: Feasibility and Performance](#)", IEEE Transactions on Wireless Communications, Vol. 16, No. 4, Apr.

- 2017, pp. 2300-2313.
4. R. Mungara, X. Zhang, A. Lozano, R. W. Heath Jr., "[Analytical Characterization of ITLinQ: Channel Allocation for Device-to-Device Communication Networks](#)", IEEE Transactions on Wireless Communications, Vol. 15, No. 5, May 2016, pp. 3603-3615.
 5. G. George, R. Mungara, A. Lozano, "[An Analytical Framework for Device-to-Device Communication in Cellular Networks](#)", IEEE Transactions on Wireless Communications, Vol. 14, No. 11, Nov. 2015, pp. 6297-6310.
 6. R. Mungara, D. Morales-Jimenez, A. Lozano, "[System-Level Performance of Interference Alignment](#)", IEEE Transactions on Wireless Communications, Vol. 14, No. 2, Feb. 2015, pp. 1060-1070.
 7. N. Lee, D. Morales-Jimenez, A. Lozano, R. W. Heath Jr., "Spectral Efficiency of Dynamic Coordinated Beamforming: A Stochastic Geometry Approach", IEEE Transactions on Wireless Communications, Vol. 14, No. 1, Jan. 2015, pp. 230-241.
 8. R. Mungara, G. George, A. Lozano, "[Overhead and Spectral Efficiency of Pilot-Assisted Interference Alignment in Time-Selective Fading Channels](#)", IEEE Transactions on Wireless Communications, Vol. 13, No. 9, Sept. 2014, pp. 4884-4895.
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71. F. R. Farrokhi, A. Lozano, G. J. Foschini, R. A. Valenzuela, “Spectral efficiency of wireless systems with multiple transmit and receive antennas”, International Symposium on Personal, Indoor & Mobile Radio Communications (PIMRC’00), London, UK, Sept. 18-22, 2000.
72. A. Lozano, C. B. Papadias, “Space-time receiver for wideband BLAST in rich-scattering wireless channels”, IEEE Vehicular Technology Conference (VTC’2000 Spring), Tokyo, Japan, May 2000.
73. A. Lozano, D. C. Cox, T. R. Bourk, "[Uplink-downlink imbalance in TDMA personal communication systems](#)", International Conference on Universal Personal Communications (ICUPC’98), Florence, Italy, Oct. 1998.
74. T. Larsson, A. Lozano, G. Peponides, "[Soft-output MLSE for IS-136 TDMA](#)", International Conference on Universal Personal Communications (ICUPC’97), San Diego, CA, USA, Oct. 1997.
75. A. Lozano, G. Peponides, "[Adaptive MLSE receiver for dual-band IS-136 TDMA](#)", International Symposium on Personal, Indoor & Mobile Radio Communications (PIMRC’97), Helsinki, Finland, Sept. 1-4, 1997.
76. J. M. Rius, A. Lozano, A. Cardama, “RCS of engine inlet by a spectral iterative technique”, 23rd European Microwave Conference, Madrid, Spain, Sept, 1993.
77. J. M. Rius, A. Lozano, L. Jofre, A. Cardama, “Spectral propagation algorithm for RCS of perfectly conducting cavities”, IEEE-AP International Symposium & URSI Radio Science Meeting, Chicago, IL, July 1992.

Technical Reports

Authored or co-authored 24 Bell Labs Technical Memoranda.

Bibliometric Parameters

- [ORCID](#)
- [Google Scholar My Citations](#)
- [Thomson ResearcherID](#)
- Four ISI Highly Cited papers
- The paper "Is the PHY Layer dead?", published by IEEE Communications Magazine in April 2011, was:
 - Top-10 download in IEEE Xplore, April-June 2011, and top-100 download, July-Sept. 2011. (IEEE Xplore contains over 3.8 Million documents, with 25000 monthly additions.)
 - Top-10 download in the IEEE Communications Society Digital Library, April-July 2011. (This digital library contains over 50000 papers.)
- The paper "Five Disruptive Technology Directions for 5G", published by IEEE Communications

Magazine in Feb. 2014, was:

- Top-30 download in IEEE Xplore, Feb. 2014.
- Top-10 download in the IEEE Communications Society Digital Library, Feb. 2014 (This digital library contains over 50000 papers.) Top download, March 2014.

Invited Lectures, Seminars and Short Courses

1. "Yet Another >Keynote on 5G", Keynote Presentation at the ISWCS'17 Workshop on Ultra-Dense Cell-Less 5G Cellular Networks, Bologna, Italy, Aug. 28th 2017.
2. "Yet Another Talk on 5G", University of Toronto, Toronto, Australia, July 21st 2017. Host: Prof. Wei Yu.
3. "Yet Another Talk on 5G", University of Melbourne, Melbourne, Australia, June 15th 2017.
4. "5G: A Research Perspective", Keynote Presentation at Digicosme's Spring School on 5G and Internet of Things, Gif-sur-Yvette, France, May 2nd 2017.
5. "Yet Another Keynote on 5G", Keynote Presentation at the IEEE International Workshop on 5G RAN Design, Washington D.C., USA, Dec. 8th 2016.
6. "Yet Another Keynote on 5G", Keynote Presentation at the IEEE WoWMoM'16 Workshop on 5th Generation Wireless, Coimbra, Portugal, June 21st 2016.
7. "Enclosed mmWave Wearable Networks: Feasibility and Performance", Information Theory and Applications Workshop (ITA'16), San Diego, USA, Feb. 2nd 2016.

"Yet Another Talk on 5G", Sharif University of Technology, Tehran, Iran, Oct. 5th 2015. Host: Prof. Babak Khalaj.
8. "Indoor mmWave Wearable Networks: Coverage, Interference and Spectral Efficiency", Workshop for University Research on Future 5G Technologies, Intel, Santa Clara, USA, Sept. 24th 2015.
9. "Yet Another Talk on 5G", Google, Mountain View, USA, Sept. 23rd 2015. Host: Dr. Nihar Jindal.
10. "Towards 5G", Heriot-Watt University, Edinburgh, UK, Jul. 10th 2015. Host: Prof. Mathini Sellathurai.
11. "Towards 5G Wireless Networks: A Research Perspective", Politecnico di Torino, Torino, Italy, Nov. 21st 2014. Host: Dr. Giuseppa Alfano.
12. "Towards 5G: A Research Perspective", Joint Workshop on Coding and Communications, Barcelona, Spain, Nov. 14th 2014.
13. "System-level Analysis of D2D", Technische Universität Wien, Vienna, Austria, Oct. 27th 2014. Host: Prof. Gerald Matz.
14. "Towards 5G", King's College, London, UK, July 23rd 2014. Host: Prof. Mischa Dohler.
15. "Towards 5G", Vodafone Group R&D, Newbury, UK, July 22nd 2014. Host: Dr. Ralf Irmer.

16. "Towards 5G--A Research Perspective", Plenary Talk at the IEEE Sensor Array and Multichannel Signal Processing Workshop (SAM'14), A Coruña, Spain, June 25th 2014.
17. "Towards 5G", Macquarie University, Sydney, Australia, June 10th 2014. Host: Prof. Stephen Hanly.
18. "Interference Near-Sightedness: Fading Strikes Back", EURECOM Institute, Sophia Antipolis, France, Sept. 27th 2013. Host: Prof. Raymond Knopp.
19. "Fundamental Limits, Self-organization and Context-Awareness for Integrated Cellular and D2D Architectures", Workshop for University Research on Future 5G Technologies, Intel Labs, Santa Clara, USA, Sept. 17th 2013.
20. "Will Future Wireless Systems Be Cooperative, Massive or Messy?", IEEE Vietnam Section, Hanoi, Vietnam, June 27th 2013. Host: Prof. Tran Xuan Nam.
21. "Interference Near-Sightedness: Fading Strikes Back", The Chinese University of Hong Kong, Hong Kong, China, June 21st 2013. Host: Prof. Angela Zhang.
22. "Interference Near-Sightedness: Fading Strikes Back", Imperial College, London, UK, May 28th 2013. Host: Prof. Deniz Gunduz.
23. "Lost in the Assumptions", Plenary Lecture, 13th European School of Information Theory, Ohrid, Macedonia, Apr. 24th 2013.
24. "Interference Near-Sightedness: Fading Strikes Back", Wireless Communications Symposium SETIA, Valparaiso, Chile, Jan. 9th 2013.
25. "Fundamental Limits of Cooperation", Corporate Research Department, Huawei Technologies Co. Ltd., Shanghai, China, Aug. 31st 2012. Host: Dr. Yi Wang.
26. "Cooperative, Massive or Messy?", Soochow University, Suzhou, China, Aug. 30th 2012. Host: Prof. Liulei Zhou.
27. "Interference Uncertainty: The Revenge of Fading", National Mobile Communications Research Laboratory, Southeast University, Nanjing, China, Aug. 28th 2012. Host: Prof. Shi Jin.
28. "Cooperative, Massive, or Messy?", Nanjing University of Posts and Telecommunications, Nanjing, China, Aug. 26th 2012. Host: Prof. Hongbo Zhu.
29. "Cooperative, Massive, or Messy?", Future of Wireless Access Workshop, University of Southampton, Southampton, UK, Oct. 31st 2011. Host: Prof. Lajos Hanzo.
30. "[MIMO: The Final Frontier in Wireless Communications](#)", USA - Spain Scientific Workshop on Information Sciences & Related Technologies, "Prince of Asturias" Endowed Chair, Santa Fe, USA, Dec. 3rd 2010. Host: Prof. Fernando Pérez-González.
31. "[MIMO: The Final Frontier in Wireless Communications](#)", Joint Communications & Signal Processing Chapter, IEEE Central Texas Section, Austin, USA, Nov. 11th 2010.
32. "Are Yesterday's Fading Models and Performance Metrics Adequate for Today's Wireless Systems?", Wireless Networking & Communications Seminar Series, University of Texas at Austin,

- Austin, USA, Nov. 5th 2010. Host: Prof. Sujay Sanghavi.
33. “Wireless Communications: Chronicle of a Technological Revolution”, Plenary Talk at EUNICE 2009, Barcelona, Spain, Sept. 7th 2009.
 34. “Contemporary Perspectives on Diversity (A Reflection on Modeling Artifacts)”, Yonsei Distinguished Seminar Series: Wireless Communications and Networking, Yonsei University, Republic of Korea, June 27th 2009. Host: Prof. Kaibin Huang.
 35. “Advanced Wireless Communications”, short course at Universidad Politécnica de Madrid (UPM), Madrid, Spain, June 9th-12th 2009. Host: Prof. Santiago Zazo.
 36. “Diversity v. Multiplexing in Modern MIMO Systems”, Fraunhofer Institut Nachrichtentechnik (Heinrich-Hertz-Institut), Berlin, Germany, June 5th 2009. Host: Prof. Holger Boche.
 37. “Contemporary Perspectives on Diversity (A Reflection on Modeling Artifacts)”, Information Systems Colloquium, Stanford University, USA, Apr. 19th 2009. Host: Prof. Andrea Goldsmith.
 38. “Contemporary Perspectives on Diversity (A Reflection on Modeling Artifacts)”, Universidade do Porto, Porto, Portugal, Apr. 8th 2009. Host: Prof. Joao Barros.
 39. “Contemporary Perspectives on Diversity (A Reflection on Modeling Artifacts)”, CTTC, Barcelona, Spain, Feb. 18th 2009. Host: Dr. Mischa Dohler.
 40. “Long-Term Transmit Beamforming for Wireless Multicasting”, 25th IEEE Convention of Electrical and Electronics Engineers in Israel, Eilat, Israel, Dec. 4th 2008. Host: Prof. Uri Erez.
 41. “A decade of MIMO: From fundamentals to product”, Universidad Técnica "Federico Santa Maria", Valparaiso, Chile, Aug. 26th 2008. Host: Prof. Rodolfo Feick.
 42. “A decade of MIMO: From fundamentals to product”, Plenary Talk at the REGACOM mini-workshop, Monasterio de Poio (Pontevedra), Spain, July 24th 2008. Host: Prof. Luis Castedo.
 43. “Wireless communications: brief chronicle of a technological revolution”, Institut Lacetania, Manresa, Spain, Apr. 1st 2008. Host: Prof. Francisco Delis.
 44. “A chronicle of the MIMO layered architecture”, Universidad de Malaga, Malaga, Spain, July 14th, 2007. Host: Prof. Juan Romero.
 45. “The MIMO layered architecture”, University of New Mexico, Albuquerque, NM, USA, Feb. 26th 2007. Host: Prof. Sudharman Jayaweera.
 46. “The MIMO layered architecture: From fundamentals to product”, University of Arizona, Tucson, AZ, USA, Feb. 23rd 2007. Host: Prof. Shuguang Cui.
 47. “Research, innovation & the role of the university”, Fundació Universitària del Bages (Universitat Autònoma de Barcelona), Manresa, Spain, Nov. 14th 2006. Host: Mr. Alex Puig.
 48. "[Mercury/waterfilling: Optimum power allocation for parallel Gaussian channels](#)", University of Texas at Austin, Austin, TX, USA, Oct. 27th 2006. Host: Prof. Robert Heath Jr.
 49. “Mercury/waterfilling for optimum power allocation in parallel Gaussian channels with arbitrary

- signaling constellations”, Fraunhofer Institut Nachrichtentechnik (Heinrich-Hertz-Institut), Berlin, Germany, June 9th 2006. Host: Dr. Volker Jungnickel.
50. “The MIMO layered architecture: From fundamentals to practice”, Boston University, Boston, MA, USA, Mar. 31st 2006. Host: Prof. Mansor Shariff.
 51. “The MIMO layered architecture: From fundamentals to practice”, University of Connecticut, Storrs, CT, USA, Apr. 7th 2005. Host: Prof. Shengli Zhou.
 52. “Multi-antenna capacity in the low-power regime”, Workshop on Signal Processing for Wireless Transmission, Center for Discrete Mathematics & Theoretical Computer Science (DIMACS), Piscataway, NJ, USA, Oct. 7th 2002.
 53. “BLAST: Theoretical foundation and experimental evidence, Universita di Salerno, Salerno, Italy, May 10th, 2002. Host: Prof. Maurizio Longo.
 54. “BLAST: Theoretical foundation and experimental evidence, Universita di Benevento, Benevento, Italy, May 9th, 2002. Host: Prof. Antonia M. Tulino.
 55. “BLAST: Theoretical foundation and experimental evidence”, Forschungszentrum Telekommunikation Wien (FTW), Vienna, Austria, Mar. 15th, 2002. Host: Dr. Ralf Müller.
 56. “BLAST: A new wireless communication technique of extraordinary spectral efficiency”, Autorita per le Garanzie nelle Comunicazioni, Naples, Italy, June 2000.
 57. “BLAST: A new wireless communication technique of extraordinary spectral efficiency”, Mobile & Personal Communications & Systems Group, European Commission, Brussels, Belgium, June 2000. Host: Dr. Jorge Pereira.
 58. “BLAST: Principles and overview”, Plenary Talk at the Bell Labs BLAST Workshop, Murray Hill, USA, Feb. 2000. Host: Dr. Paul Mankiewich.
 59. “Integrated DCA and power control in mobile wireless systems”, Stanford University, Stanford, CA, USA, Nov. 1998. Host: Prof. Dale Harris.

Patents

1. G. J. Foschini, H. C. Huang, A. Lozano, R. A. Valenzuela and S. Venkatesan, “Method for Adaptive Formation of Cell Clusters for Cellular Wireless Networks with Coordinated Transmission and Reception”, priority June 17th 2008.
 - US Patent 9241276 (issued Jan. 19th 2016).
2. A. Lozano and S. Venkatesan, “Reverse Link Channel Estimation Using Common and Dedicated Pilot Channels,” priority Jan. 24th 2008.
 - US Patent 9241276 (issued Jan. 19th 2016).
 - European Patent EP 2238722 (issued Oct. 13th 2010).
 - Chinese Patent 101939957 (issued Jan. 5th 2011).

- Japanese Patent 2011-510599 (issued Mar. 31st 2011).
 - Korean Patent 2010-0101706 (issued Sep. 17th 2010).
3. A. Lozano and R. A. Valenzuela, "Superposition Transmission of Access and Backhaul for Wireless Systems Using Relays," priority Feb. 12th 2008.
- Patent pending.
4. A. Lozano and R. Bachl, "Method of Grouping Users for Opportunistic Downlink in Multiuser, Multiple-input Multiple-output Wireless communication," priority May 1st 2007.
- US Patent 8335541 (issued Dec. 18th 2012).
5. A. Lozano, "[Method of Transmit Beamforming for Multicasting in a Wireless Communication System](#)", priority Jul. 11th 2007.
- US Patent No. 7747285 (issued June 29th 2010).
6. A. Lozano and R. Bachl, "[Dynamic Power Allocation for Unicast-Multicast Superposition in Wireless Broadcasting](#)", priority Jan. 22nd 2007.
- US Patent No. 7738905 (issued June 15th 2010).
 - European Patent EP 2127464 (issued Dec. 2nd 2009).
 - Chinese Patent 10-1584228 (issued Nov. 18th 2009).
 - Japanese Patent 2010-517428 (issued May 20th 2010).
 - Korean Patent 101136787 (issued May 24th 2012).
7. A. Lozano, "Method for Allocation of Power in Multiuser Orthogonal Frequency Division Multiplexing," priority Mar. 30th 2006.
- US Patent No. 7852953 (issued Dec. 14th 2010).
8. A. Lozano, S. Verdú and A. M. Tulino, "[Method of Allocating Power over Channels of a Communication System](#)", priority June 1st 2005.
- US Patent No. 7489944 (issued Feb. 10th 2009).
9. A. Lozano, F. R. Farrokhi and R. A. Valenzuela, "[Space-time Processing for Wireless Systems with Multiple Transmit and Receive Antennas](#)", priority May 11th 2004.
- US Patent No. 7113558 (issued Sept. 26th 2006).
 - Korean Patent 10-0811577 (issued Mar. 3rd 2008).
 - Chinese Patent 1233106 (issued Dec. 21st 2005).
10. A. Lozano, S. Verdú and A. M. Tulino, "[Method for Optimizing the Transmit Signal in Multiple Antenna Wireless Links](#)", priority Sept. 30th 2003.

- US Patent No. 7194286 (issued March 20th 2007).
 - European Patent EP 1521383 (issued April 6th 2005), German Patent 602004003873 (published Oct. 11th 2007).
11. A. Lozano, "[Rate Control Technique for Layered Architectures with Multiple Transmit and Receive antennas](#)", priority Oct. 18th 2001.
- US Patent No. 7116652 (issued Oct. 3rd 2006).
 - European Patent EP 1309102 (issued May 7th 2003), German Patent 60203234 (published Feb. 9th 2006).
12. S.-T. Chung, A. Lozano and H. C. Huang, "Feedback Technique for Wireless Systems with Multiple Transmit and Receive Antennas," priority Nov. 16th 2000.
- Canadian Patent 2361886 (issued May 16th 2002).
 - European Patent EP 1207645 (issued May 22nd 2002).
 - Chinese Patent 1354610 (issued June 19th 2002).
13. A. Lozano, "[Method and Apparatus for Communicating Heterogeneous Data Traffic](#)", priority Dec. 20th 2000.
- US Patent No. 6920118 (issued July 19th 2005).
14. A. Lozano, F. R. Farrokhi and R. A. Valenzuela, "[Space-time Processing for Wireless Systems with Multiple Transmit and Receive Antennas](#)", priority Aug. 18th 2000.
- US Patent No. 6778612 (issued Aug. 17th 2004).
 - Canadian Patent 2350878 (issued Feb. 18th 2002).
 - European Patent EP 1187363 (issued Mar. 13th 2002), German Patent 60104252 (published Sept. 8th 2005).
 - Korean Patent 2002-0014774 (issued Feb. 25th 2002).
 - Japanese Patent 2002-124899 (issued Apr. 26th 2002).
 - Chinese Patent 1339881 (issued Mar. 13th 2002).
 - Brazil Patent 0103224.
 - Australian Patent 5799301.
15. G. J. Foschini, A. Lozano, F. R. Farrokhi and R. A. Valenzuela, "[Space-time Processing for Multiple-input Multiple-output Wireless Systems](#)", priority Jan. 13th 2000.
- US Patent No. 6888809 (issued May 3rd 2005).
 - Canadian Patent 2327611 (issued Jan 24th 2006).

- European Patent EP 1117197 (issued Apr. 9th 2003), German Patent 60104252 (published Sept. 8th 2005), Austrian Patent 271284.
- Korean Patent 10-0716397 (issued May 5th 2007).
- Japanese Patent 2001-237751 (issued Aug. 31st 2001).
- Chinese Patent 1264287 (issued Jul. 12th 2006).
- Brazil Patent 0100011.
- Australian Patent 1108401.

Demonstrators

- Participated in the first demonstration of out-of-cell MIMO interference cancellation at the 2003 IST European Summit in Aveiro, Portugal, in June 2003. The demonstrator consisted of two commercial Lucent Technologies base stations, fitted for MIMO transmission using up to 4 antennas, and two mobile station prototypes equipped with 4 receive antennas each. The baseband processing boards on each of these prototypes featured original MIMO ASIC chips. Live video was streamed from each base station down to a respective mobile, with cross-interference between the transmissions. At each mobile station, the MIMO ASIC cancelled the interference from the undesired base while detecting the signal from the serving base.

Research Supervision

Doctoral Committees

- Qianrui Li, "Decentralized Transmitter Cooperation and Signal Processing with Limited Feedback and Backhaul", Ph.D. Dissertation, EURECOM Institute (France), Mar. 14th 2016.
- Namyoon Lee, "Interference Management Strategies with Limited Network State Information in Wireless Networks", Ph.D. Dissertation, Department of Electrical & Computer Engineering, the University of Texas at Austin (USA), Oct. 21st 2014.
- Alberto Rico, "Cognitive and Signal Processing Techniques for Improved Spectrum Exploitation in Wireless Communications", Ph.D. Dissertation, Universidade de Vigo (Spain), June 30th 2014.
- Tania Villa Trapala, "Dynamic Resource Allocation for Cellular Networks with Interference", Ph.D. Dissertation, EURECOM Institute (France), Sept. 27th 2013.
- Ilaria Thibault, "[Advanced Beamforming for Distributed and Multi-Beam Networks](#)", Ph.D. Dissertation, Università di Bologna and Universitat Pompeu Fabra, 2013.
- Omar El Ayach, "Interference Alignment from Theory to Practice", Ph.D. Dissertation, Department of Electrical & Computer Engineering, the University of Texas at Austin (USA), Mar. 22nd 2013.
- Steluta Gheorghieiu, "Network Coding for Transport Protocols", Ph.D. Dissertation, Universitat Politècnica de Catalunya (Spain), July 2011.
- David Morales, "Performance Analysis of Non-Ideal MIMO Systems in Fading Channels", Ph.D.

Dissertation, Universidad de Málaga (Spain), July 1st 2011.

- Cristina Cano, "A Low Power Listening with Wake Up After Transmissions MAC Protocol for WSNs", Ph.D. Dissertation, Department of Information and Communication Technologies, Universitat Pompeu Fabra, Mar. 4th 2011.
- Ramya Bhagavatula, "Limited Feedback for Multicell Cooperative Systems", Ph.D. Dissertation, Department of Electrical & Computer Engineering, the University of Texas at Austin (USA), Nov. 5th 2010.
- [Shakti Shenoy](#), "Efficient communication over wireless channels: New results in equalization, diversity and interference alignment", Ph.D. Dissertation, EURECOM Institute (France), June 26th 2010.
- [Sriram Sridharan](#), "Capacity of interference networks - achievable regions and outer bounds", Ph.D. Dissertation, Department of Electrical & Computer Engineering, the University of Texas at Austin (USA), Apr. 2010.
- [Malte Schellmann](#), "Multiuser MIMO-OFDM in practice: Enabling spectrally efficient transmission over time-varying channels", Ph.D. Dissertation, *Technische Universität Berlin (Germany)*, May 2009.
- Núria Garcia, "Radio resource management strategies based on Hopfield neural networks", Ph.D. Dissertation, Department of Information and Communication Technologies, *Universitat Pompeu Fabra*, May 25th 2009.
- Jaume Barceló, "Carrier sense multiple access with enhanced collision avoidance", Ph.D. Dissertation, Department of Information and Communication Technologies, *Universitat Pompeu Fabra*, Feb. 2009.
- Eduard Calvo, "Interference in wireless networks: cancelation, impact, practical management, and complexity", *Departament de Teoria del Senyal i les Comunicacions, Universitat Politècnica de Catalunya (Spain)*, Feb. 2009.
- Héctor Carrasco Espinosa, "Contribución a las técnicas de diversidad en transmisión para sistemas de comunicaciones móviles de tercera generación", *Departament de Teoria del Senyal i les Comunicacions, Universitat Politècnica de Catalunya (Spain)*, Feb. 18th, 2008.
- Antoni Morell, "A convex decomposition perspective on dynamic bandwidth allocation and applications", Ph.D. Dissertation, Telecommunications and Systems Engineering Department, *Universitat Autònoma de Barcelona (Spain)*, 2008.
- Anna Sfairopoulou, "A cross-layer mechanism for Quality of Service improvements in Voice over IP over multi-rate Wireless LAN networks", Ph.D. Dissertation, Department of Information and Communication Technologies, *Universitat Pompeu Fabra*, July 2008.
- Adrián Agustín de Dios, "Relay-assisted transmission and radio resource management for wireless communications", Ph.D. Dissertation, *Universitat Politècnica de Catalunya (Spain)*, May 29th 2008.
- [Alberto Lopez-Toledo](#), "Statistical signal processing for wireless networks – modeling, analysis and optimization", Ph.D. Dissertation, Department of Electrical Engineering, Columbia University (USA), Aug. 6th, 2007.

- [Amine Maaref](#), “Random matrix applications to wireless MIMO systems”, Ph.D. Dissertation, *Institut National de la Recherche Scientifique (INRS), Université du Québec (Canada)*, June 18th, 2007.
- [Kai Li](#), “Low-complexity capacity-approaching schemes for wireless systems”, Ph.D. Dissertation, Department of Electrical Engineering, Columbia University (USA), May 2nd, 2007.
- Chuxiang Li, “Advanced signal processing and resource scheduling in space-time communication systems”, Ph.D. Dissertation, Department of Electrical Engineering, Columbia University (USA), Oct. 6th, 2006.

Visiting Researchers Hosted

- Prof. Albert Guillèn-Fàbregas, *University of Cambridge, U.K.*, Sept. 2008.
- Prof. Nihar Jindal, *University of Minnesota, USA*, Fall 2008.
- Prof. Robert W. Heath Jr., *University of Texas at Austin, USA*, Spring 2009.
- Dr. Thomas L. Marzetta, *Bell Labs (Alcatel-Lucent), USA*, Oct. 2009.
- Prof. Peter Smith, *University of Canterbury, New Zealand*, Dec. 2010 - Jan. 2011.

Languages

Catalan, Spanish, English, Italian and German.

Inbar Fijalkow's HomePage

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Short Bio

1993 PhD degree in image and signal processing from the ENST (TelecomParis), France, under the supervision of professor Philippe LOUBATON.

1993-1994 postdoctoral research fellow at Cornell University (NY, USA), supported by a French Lavoisier grant, in professor C.Richard JOHNSON's group.

1994-1999 Maitre-de-Conferences (assistant professor) at the Ecole Nationale Supérieure de l'Electronique et de ses Applications (ENSEA), research in ETIS, ENSEA - University of Cergy-Pontoise.

1999-present Professeur des universités (Professor) at the ENSEA, research in ETIS, ENSEA - University of Cergy-Pontoise - CNRS, UMR 8051.

2001-2004 Vice-director of GDR ISIS, CNRS. Organizer of telecommunications area, 1995-2004.

2004-2013 Head of the research unit ETIS, ENSEA - University of Cergy-Pontoise - CNRS, UMR 8051.

2007-2010 Member of the French University council (CNU, section 61).

Current position

Professeur des universités (professor) at the ENSEA, research in *Equipes de Traitement de l'Information et Systèmes (ETIS)*, ENSEA - University of Cergy-Pontoise - CNRS, UMR 8051, Member of the IEEE signal processing and communication societies, IEEE Senior member.

Current PhD Students

- David Poirier-Quinot, -, co-supervised B. Katz LIMSI - CIFRE EADS Astrium
- Raouia Masmoudi, November 2011 - , co-supervised E.V. Belmega, Cotutelle ENIS, Tunisie
- Agathe Valette, November 2013 -, co-directed M. Ariaudo, CIFRE Thales Communications

Former PhD Students

- Romain Tajan, October 2010 - December 2013, associate professor IMS/ENSEIRB-Mathmeca
- Mathilde Brandon, October 2009 - November 2012, engineer, Thales Communications, then
- Babar Aziz, November 2008 - December 2011, post-doctorant
- Imed Hadj-Kacem, 2006 - 2011, assistant professor, Sfax, Tunisia
- Abdoulaye Bagayoko, November 2007 - 2010, engineer, NEC
- Abdel-Nasser Assimi, November 2006 - December 2009, associate professor
- Heykel Houas, February 2005 - June 2009, software engineer
- Ayman Alsawah, November 2005 - December 2008, associate professor
- Sylvain Traverso, October 2004 - November 2007, engineer Thales Communications
- Adrien Renoult, October 2002 - November 2005, engineer Thales
- Charly Poulliat, October 2001 - October 2004, full professor at IRIT / ENSHEEIT
- Ammar Chaker, January 2000 - July 2004, teacher
- Noura Sellami, October 1999 - October 2002, full professor at LETI / ENIS, Sfax
- Alexandre de Baynast, October 1999 - October 2002, researcher, Germany
- Marie-Line Alberi, October 1996 - Mai 2001, engineer Alcatel-Lucent
- Aline Roumy, October 1997 - October 2000, researcher INRIA, Rennes
- Jerome Soubielle, October 1996 - October 1999, engineer M3 systems, Toulouse
- Azzedine Touzni, 1995-1998, engineer AATI, Chicago

Main Collaborations

- Charly Poulliat (IRIT, Toulouse, France)
- E. Veronica Belmega, Myriam Ariaudo, Jean-Luc Gautier (ETIS, Cergy-Pontoise, France)
- Sylvain Traverso, Christophe Le Martret (Thales Communications, France)
- Aline Roumy (INRIA, Rennes, France)

- Hagit Messer (Tel Aviv University, Israel)
- Noura Sellami (LETI/ENIS, Sfax, Tunisia)
- C. Richard Johnson (Cornell University, NY, USA)

**Fortegnelse over bedømmelsesudvalg til
stilling Professor with special responsibilities of Planning and Impact Assessment in the Arctic
(50127) ved PLAN**

Navn: Professor mso Poul Alberg Østergaard
Arbejdssted: PLAN, AAU
E-mail: poul@plan.aau.dk

Navn: Professor Gunhild Hoogensen Gjørsv
Arbejdssted: UiT The Arctic University of Norway
E-mail: gunhild.hoogensen.gjorv@uit.no

Navn: Professor Morten Meldgaard
Arbejdssted: Statens Naturhistoriske Museum
E-mail: Mmeldgaard@snm.ku.dk

Akademisk Råd har taget stilling til, at medlemmer af bedømmelsesudvalget er sagkyndige inden for stillingsområdet på et niveau, der mindst svarer til det, der forudsættes for stillingen, dog ikke under lektorniveau.

Professor with special responsibilities of Planning and Impact Assessment in the Arctic (50127)

Position No.

50127

At the Technical Faculty of IT and Design, Department of Planning (PLAN), The Danish Centre for Environmental Assessment (DCEA), a position as Professor with special responsibilities of Planning and Impact Assessment in the Arctic is open from 1 February 2018, or soon hereafter. The position is available for period of 3 years.

PLAN conducts research and teaching on development and planning in a broad sense, including social science aspects as well as more technical aspects of development, and with a focus on environmental, international as well as administrative dimensions.

DCEA is an inter-disciplinary research centre within PLAN focused on impact assessment and environmental decision-making. The Centre provides theoretically pluralistic, methodologically rigorous, and analytically sound input to research and practice, and contributes to out-reach and educational programs – all with a view to promote participatory and sustainable transitions. DCEA is a leading research centre connecting impact assessment practice to theories of decision-making and governance, with a strong focus on critical engagement with governments, businesses and civil society within local, national and international policy-making arenas.

Job description

The position covers research within impact assessment and management of large-scale industry projects in the Arctic. It is expected that applicants hold documented experience in these areas, and by a continued focus will contribute to the development of the curriculum of PLAN and DCEA.

The position is aimed at applicants who can document original scientific production in their research and who can demonstrate that they have contributed significantly to the scientific field of the position.

The Professor with special responsibilities is furthermore expected to take lead in developing research within the core areas of DCEA and in connecting colleagues across research groups and faculties at AAU to address Arctic challenges from a holistic and interdisciplinary approach.

In particular, the professor with special responsibilities will be responsible for the research areas and their development:

- Institutional and individual behaviour in impact assessment processes, and understandings of change in response to implementation of new industries
- Societal planning and systemic assessment approaches for researching and supporting sustainable business models and impact benefit agreements.
- Develop prescriptive models and theory related to change management.
- Society-sensitive research for sustainability through interactionism – in which knowledge is produced in cooperation and interdependency between research and practice (action/change agency research)

Teaching will primarily be in the undergraduate programs in Geography and in By-, Energi- og Miljøplanlægning (City, Energy and Environmental Planning) and the graduate program in Environmental Management and Sustainability Science, but also in other study programs at the University and in professional training programs.

Besides the research and teaching activities, the professor is also expected to be willing to take upon the role as head of AAU Arctic a cross faculty research platform with the administrative and social obligations that relates to this role.

The workplace of the position is in Aalborg, but travel activities are to be expected.

Qualifications:

- A Ph.D. with a strong background in social and environmental impact assessment in the Arctic.

- Demonstrated interest and experience in conducting fieldwork in the Arctic.
- International publication record comprising publications within the academic field of the position
- Possessing experience in engaging and participatory research.
- Possessing an active Arctic network and relationships with national and international institutions and researchers working in the Arctic.
- Documented experience in successful application for external research funding, and project management
- Experience in supervision of PhD students.
- Mastering Danish, English and potentially other Arctic languages will be a benefit due to the Danish language teaching opportunities and the many international cooperation partners to AAU in the Arctic.

The level of qualifications shall correspond to the ordinary positions at the level of Professor however, also the potential of the candidate to further develop the academic fields in question as well as a documented original scientific production shall be taken into consideration. An assessment of the ability of the candidate to undertake the specific projects related to the appointment in question will be particularly emphasised. Furthermore, the candidate will be expected to have the qualifications required for undertaking teaching responsibilities.

A position as Professor with specific responsibilities is temporary with focus on specific projects as well as ordinary professorship duties. The period of employment is three to eight years, a prolongation is possible but cannot exceed eight years in total. The position is normally established for the purpose of appointing particularly talented researchers with the ability to develop a promising academic field at an international level.

At the end of the period, the special responsibilities are discontinued and the employee in question transfers to a position as associate professor at the university.

You may obtain further professional information from Ivar Lyhne, lyhne@plan.aau.dk

Qualification requirements:

The application must contain the following:

- A motivated text wherein the reasons for applying, qualifications in relation to the position, and intentions and visions for the position are stated.
- A current curriculum vitae.
- Copies of relevant diplomas (Master of Science and PhD). On request you could be asked for an official English translation.
- Scientific qualifications. A complete list of publications must be attached with an indication of the works the applicant wishes to be considered. You may attach up to 10 publications.
- Teaching qualifications described in the teaching portfolio. If this is not enclosed the applicant must include an explanation for its absence.
- Dissemination qualifications, including participation on committees or boards, participation in organisations and the like.
- Additional qualifications in relation to the position.
- References/recommendations.
- Personal data.

The applications are only to be submitted online by using the "Apply online" button below.

An assessment committee will assess all candidates.

For further information concerning the application procedure please contact Nickie Kate Hermansen by mail EST-ES-HR@adm.aau.dk

Information regarding guidelines, ministerial circular in force, teaching portfolio and procedures can be seen [here](#).

Workplace
Aalborg

Agreement

Employment is in accordance with the Ministerial Order on the Appointment of Academic Staff at Universities (the Appointment Order) and the Ministry of Finance's current Job Structure for Academic Staff at Universities. Employment and salary are in accordance with the collective agreement for state-employed academics.

Deadline

10/10/2017

Apply online

Aalborg University (AAU) conducts teaching and research to the highest level in the fields of humanities, engineering, and natural, health, and social sciences.

[top](#)



Gunhild Hoogensen Gjørv

Professor

Senter for fredsstudier (CPS)

Stillingsbeskrivelse:

Current:

Professor in Critical Peace and Conflict Studies, UiT The Arctic University of Norway

Board member (alternate) Norwegian Institute of International Affairs (NUPI)

Norwegian representative, Social and Human Working Group, International Arctic Science Committee (IASC)

Co-lead for Arctic Extractive Industries (EI) Phd/Masters program:
<https://arcticextractiveindustries.wordpress.com>

International Advisory Board, *International Affairs*,
OUP <https://academic.oup.com/ia>

Editorial Advisor, Polar Record, CUP <https://www.cambridge.org/core/journals/polar-record>

Board member, International Security Studies Section (ISSS),
International Studies Association (ISA)

Education

- 2000 Ph.D. in Political Science–International Relations and Comparative Politics, University of Alberta, Canada.
- 1992 M.A. in Political Science, University of Alberta, Canada.
- 1989 B.Sc. in Biology, Concordia University, Canada.

Publikasjonsliste

- **Hoogensen Gjør, Gunhild.** Finding Gender in the Arctic: A Call to Intersectionality and Diverse Methods. ([fulltekst](#)) Springer 2017; Volum 1 (1) ISBN 978-3-319-57532-2. ISSN 2510-0475.
- **Hoogensen Gjør, Gunhild.** Human Security: Lessons Learned from Afghanistan. Routledge 2017 ISBN 978-0-415-46361-4.
- **Hoogensen Gjør, Gunhild.** Tensions between Environmental, Economic, and Energy Security in the Arctic. Springer 2017 ISBN 978-3-319-46150-2.
- **Gjør, Jardar; Hoogensen Gjør, Gunhild.** CIMIC. Abstrakt forlag 2016 ISBN 9788279353775.
- **Hoogensen Gjør, Gunhild.** Energy, ethics, and security. Арктика XXI Век 2016; Volum 2 (8). ISSN 2310-5453.s 5 - 15.
- **Virginia, Ross A.; Sfraga, Michael; Arnbom, Tom; Chamberlain, Linda; Chatwood, Susan; Dis, Asli Tepecik; Hoogensen Gjør, Gunhild; Harms, Tamara K; Hansen, Anne Merrild; Holdmann, Gwen; Johnson, Noor; Lantz, Trevor; Magnússon, Bjarni Már; Neuhaus, Itty S; Poelzer, Gregory; Sokka, Laura; Tysiachniouk, Maria; Varpe, Øystein; Vestergaard, Niels.** The Fulbright Arctic Initiative: An Innovative Model for Policy Relevant Research & Public Outreach. 2016 (2016) ISBN 82-7655-060-6. ISSN 2298-2418.s 180 - 193.
- **Hoogensen Gjør, Gunhild.** Security in the Arctic: A focus on energy and people. Arctic and International Relations Series 2016; Volum Fall 2016 (4). ISSN 2470-7414.
- **Hoogensen Gjør, Gunhild.** The Energy in the Arctic. Arctic and International Relations Series 2016; Volum Fall 2016 (4). ISSN 2470-7414.
- **Hoogensen Gjør, Gunhild; Dale, Brigit; Lvova, Maria; Bråthen, Kari Anne; Gonzalez, Victoria; Bazely, Dawn; Christensen, Julia; Tanentzap, Andrew; Bojko, Evgeny.** Human Security in the Arctic: The IPY GAPS Project. From Pole to Pole 2016. ISSN 2193-7338.s 181 - 201.s doi: [10.1007/978-3-642-12315-3_10](https://doi.org/10.1007/978-3-642-12315-3_10).
- **Hoogensen Gjør, Gunhild; Kleppe, Toiko Tõnisson.** Civil-Military Interaction, CIMIC and Interacting with Gender. Springer 2016 ISBN 978-3-319-26804-0.
- **Hoogensen Gjør, Gunhild.** Sivil-militær samhandling og erfaringer fra Afghanistan. Internasjonal Politikk 2015; Volum 2015 (1). ISSN 0020-577X.s 130 - 140.
- **Hoogensen Gjør, Gunhild.** Gender Mainstreaming: Challenges of UN neutrality, importance of gender, and the politics of civil-military relations. 2014.s 61 - 61.
- **Hoogensen Gjør, Gunhild; Gjør, Jardar.** Mot helhetlig sikkerhet: Genderperspektiv i sivilmilitært samarbeid. Abstrakt forlag 2014 ISBN 978-82-7935-349-2.
- **Goloviznina, Marina; Hoogensen Gjør, Gunhild.** Conclusion: revisiting Arctic security. Routledge 2014 ISBN 9781844075492.s 169 - 174.
- **Bazely, Dawn; Tanentzap, Andrew; Christensen, Julia; Hoogensen Gjør, Gunhild.** Bridging the GAPS between ecology and human security. Routledge 2014 ISBN 9781844075492.s 129 - 150.
- **Hoogensen Gjør, Gunhild; Goloviznina, Marina.** Introduction: can we broaden our understanding of security in the Arctic?. Routledge 2014 ISBN 9781844075492.
- **Hoogensen Gjør, Gunhild.** Virtuous imperialism or a shared global objective? The relevance of human security in the global North. Routledge 2014 ISBN 9781844075492.
- **Hoogensen Gjør, Gunhild.** Security by any other name: negative security, positive security, and a multi-actor security approach. Review of International Studies 2012; Volum 38 (4). ISSN 0260-2105.s 835 - 859.s doi: [10.1017/S0260210511000751](https://doi.org/10.1017/S0260210511000751).

- **Hoogensen Gjrv, Gunhild; Stuvy, Kirsti.** Gendering human security : How gender theory is reflected and challenged in civil-military cooperation. Wiley-Blackwell 2011 ISBN 9781444336597.
- **Hoogensen Gjrv, Gunhild.** How military culture affects the handling and responding of sexual violence. 2011; Volum 1 (3). ISSN 1892-6126.
- **Hoogensen, Gunhild.** The MODIL-NATO data interpreted in light of security. 2010.s 74 - 79.
- **Hoogensen, Gunhild; Gjrv, Jardar.** Sivilt-Militrt samarbeid - er CIMIC relevant?. Norsk Militrt Tidsskrift 2010 (1/2). ISSN 0029-2028.
- **Hoogensen, Gunhild.** Gender, Human Security and Northern Fisheries. CCI Press 2009 (62) ISBN 978-1-896445-46-5. ISSN 0068-0303.s 219 - 234.
- **Tanentzap, Andrew; Bazely, Dawn; Williams, P; Hoogensen, Gunhild.** A human security framework for the management of invasive non-indigenous plants. Invasive Plant Science and Management 2009; Volum 2 (2). ISSN 1939-747X.
- **Hoogensen, Gunhild; Bazely, Dawn; Christensen, Julia; Tanentzap, Andrew; Bojko, Evgeny.** Human Security in the Arctic - Yes, It Is Relevant!. Journal of Human Security 2009; Volum 5 (2). ISSN 1835-3800.s doi: [10.3316/JHS0502001](https://doi.org/10.3316/JHS0502001).
- **Hoogensen, Gunhild.** Security at the Poles: the Arctic and Antarctic. Springer 2009; Volum 4 (1). ISSN 1865-5793.s 951 - 960.
- **Hoogensen, Gunhild.** The Canadian Fisheries Industry: Retrospect and Prospect. 2008 ISBN 978-1-55239-255-3.
- **Hoogensen, Gunhild.** Non-State Based Terrorism and Security. Springer 2007; Volum 3 (3) ISBN 978-3-540-75976-8. ISSN 1865-5793.s 439 - 448.
- **Hoogensen, Gunhild.** The Canadian Fisheries Industry: Retrospect and Prospect. Canadian Political Science Review 2007; Volum 1 (1). ISSN 1911-4125.s 42 - 56.
- **Hoogensen, Gunhild; Stuvy, Kirsti.** Gender, Resistance and Human Security. Security Dialogue 2006; Volum 37 (2). ISSN 0967-0106.s 207 - 228.
- **Hoogensen, Gunhild.** A Human Security Perspective. 2006.s 10 - 11.
- **Hoogensen, Gunhild.** Bottoms Up: A toast to regional security?. Mershon international studies review 2005; Volum 7 (2). ISSN 1079-1760.s 269 - 274.
- **Hoogensen, Gunhild.** Gender, Identity, and Human Security: Can We Learn Anything from the Case of Women Terrorists?. Canadian Foreign Policy 2005; Volum 12 (1). ISSN 1192-6422.s 119 - 140.
- **Rottem, Svein Vigeland; Hoogensen, Gunhild.** Gender, Identity and the Subject of Security. Security Dialogue 2004; Volum 35. ISSN 0967-0106.s 155 - 171.
- **Hoogensen, Gunhild.** Gender Issues. 2004 ISBN 9979-834-45-5.
- **Hoogensen, Gunhild.** Bentham's international manuscripts versus the published 'Works'. Journal of Bentham Studies 2001; Volum 4 (4). ISSN 2045-757X.
- **Hoogensen, Gunhild.** Baby-sitting, Breast feeding, and Deterrence Theory. 1996:

Morten Meldgaard

Professor

Statens Naturhistoriske Museum

Øster Voldgade 5-7, 1350 København K, Geologisk Museum

MMeldgaard@snm.ku.dk

<http://snm.ku.dk/ansatte/ansatte/beskrivelse/?id=80496>

Telefon: +45 35 32 29 78

Mobil: +45 28 75 10 36



Uddannelse

- Studentereksamen. Den sproglige linjes samfundsvidenskabelige gren ved Frederikssund Amtsgymnasium, 1976.
- Cand. scient. Kandidateksamen i Zoologi ved det Naturvidenskabelige Fakultet, Københavns Universitet, 1985.

Speciale: "The History of The Greenland Caribou".

- Lic. scient. Licentiatgraden i zoologi ved det Naturvidenskabelige Fakultet, Københavns Universitet, 1990

Afhandling: "Grønlands Fauna kvartærzoologisk belyst. En analyse af forhistorisk ressourceudnyttelse og udvalgte landpattedyrs zoogeografi".

- Dr. phil. Doktorgraden i filosofi ved det Humanistiske Fakultet, Københavns Universitet, 2005

Afhandling: "Ancient Harp Seal Hunters of Disko Bay - Subsistence and Settlement at the Saqqaq Culture Site Qeqertasussuk."

Ansættelser mv.

- 1976-85 studentermedarbejder i laboratorium og i felten for Zoologisk Museum, Skov- og Naturstyrelsen, Grønlands Landsmuseum, Smithsonian Institution.
- 1985 forsker, Christianshåb Museum
- 1986-90 Licentiatstudie ved Zoologisk Museum, Københavns Universitet finansieret af Statens Humanistiske Forskningsråd, Statens Naturvidenskabelige Forskningsråd og Kommissionen for Videnskabelige Undersøgelser i Grønland
- 1990, lærer på Allerød Gymnasium
- 1991, Post doc ved Zoologisk Museum og DNA-laboratoriet (fossilt DNA og rensdyrenes taxonomi & zoogeografi)
- 1991-1995, centerleder på Historisk Arkæologisk Forsøgscenter i Lejre (selvejende institution)

- 1995-2000, direktør på Dansk Polarcenter (institution under Videnskabsministeriet)
- 2000-2005 direktør på Nordatlantens Brygge (erhvervsdrivende fond)
- 2005-2007 direktør for Dansk Ekspeditionsfond/Galathea 3
- 2007- 2014 direktør Statens Naturhistoriske Museum
- 2014- Professor i Arktisk Miljøhistorie, Statens Naturhistoriske Museum
- 2005 - 2010 adjungeret professor i arktisk miljøhistorie, Syddansk Universitet
- 2012 - adjungeret professor i arktisk miljøhistorie, Ilisimatusarfik/Grønlands Universitet

I. Forskning og feltarbejde

Forskningen koncentrerer sig om følgende hovedområder

- 1) Arktisk zoologi
- 2) Ressourcer og ressourceudnyttelse i Arktis
- 3) Klima- og miljøhistorie

Tilgangen til disse hovedemner er tværfaglig og sker med inddragelse af bl.a. kvartærzoologi, vildtbiologi, klimahistorie, arkæologi, historie og etnohistorie.

Væsentlige forskningsprojekter gennem årene har været:

- Rensdyrets zoogeografi, taxonomi og populationsdynamik
- Ressourceudnyttelse i Vestgrønlands indland, herunder udgravninger af rensdyrjægerbopladsen Aasivissuit
- Ressourceudnyttelse i Disko Bugt, Vestgrønland, herunder udgravningerne af bopladsen Qeqertasussuk.
- Ressourcernes dynamik og betydning for bosætning

Ekspeditioner/feltarbejde

- 1974 & 1975, Danmark: udgravninger af stenalderboplads, Skanderborg (gymnasieelev).
- 1976 & 1977, Grønland: Inuit-Nordbo Projektet, Nuuk kommune. Udgravninger af nordbogårde og eskimoiske bopladser (student).
- 1978, Grønland: Aasivissuit Projektet, Sisimiut kommune. Udgravninger af rensdyrjægerboplads og kortlægning af dens opland (ansvarlig for den zoologiske del).
- 1978, Grønland: Vildtbiologisk Station Kaløs rensdyrundersøgelser, Sdr. Strømfjord, nov.-dec. (assistent)
- 1979, Grønland: Knud Rasmussens Mindeekspedition til Melville Bugten, Nordvestgrønland (ansvarlig for den zoologiske del).
- 1980, Labrador: Smithsonian Institutions ekspedition til Labrador (gæstestuderende)
- 1981, 1982, Grønland: Kortlægning og arkæologiske udgravninger i Paamiut, Nuuk og Sisimiut kommuner i forb. med vandkraftprojekter (student).
- 1982, Danmark: Udgravning på jernalderbopladsen Højmølle, Falster (student).
- 1982-84, Danmark: Rekognosceringer og udgravninger i Åmosen, Midtjylland (student).
- 1984, Thailand og Malaysia (incl. Borneo): Zoologisk indsamlings- og studierejse.
- 1985, 86, 87, 88, Grønland: udgravninger af Qeqertasussuk, Disko Bugt (ansvarlig for den naturvidenskabelige del).
- 1988, Peru: Carlsbergfondets videnskabelige ekspedition
- 1990, Grønland: Projekt Skjoldungen, tværfaglig, udgravninger.
- 2001, Grønland: Peary Land, udgravninger af verdens nordligste boplads

- 2009, Grønland, Qajaa, udgravninger af permafrossen boplads
- 2010, Grønland, Qajaa, udgravninger og filmoptagelse
- 2012, Grønland, Nordboudgravninger i Ameralikfjorden
- 2015, Grønland, Kapisillit, sø-projekt

II. Undervisning

- 1984, lærer ved Universidad Autonoma de Madrid og Universidad Complutense de Madrid (arkæozoologi for arkæologer)
- 1985, undervisningsassistent ved Forhistorisk Arkæologisk Institut, Københavns Universitet (arkæozoologi for arkæologer)
- 1987-91, lærer i Arktisk biologi, Københavns Universitet
- 1988-91, lærer i kvartærzoologi, Københavns Universitet
- 1990, lærer i biologi på Allerød Gymnasium
- 1993, lærer på Forhistorisk Arkæologisk Institut, Københavns Universitet i eksperimentel arkæologi.
- 2012- Undervisning, Ilisimatusarfik.

Sensor (specialer & phd'er)

- 1999, Peter Aastrup, Københavns Universitet, phd: "Moskusoksen, populationsdynamik og bestandsestimering"
- 2000, Rudi Mühlendorff, Københavns universitet, speciale: "Rensdyrets (Rangifer tarandus) senglaciale og tidlige holocæne udbredelse i Sydskandinavien"
- 2000, Jane Graae Damm, Københavns Universitet, speciale: "Felis silvestris silvestris og den historie og udbredelse i Skandinavien i den Postglaciale tid"
- 2000, Sara Vebæk Gelskov, Københavns Universitet, MA: "Bæveren (Castor fiber L.) i sydskandinavien i sen Weichsel og Holocæn"
- 2000, Bo Bendix, Københavns Universitet, MA: "Analysis of faunal remains from late dorset paleoeskimo sites at Hatherton Bay, Inglefieldland, North Greenland".
- 2004, Sabine Steen, Stockholms Universitet, phd: "Bovine teeth in age assessment, from Medieval cattle to Belgian Blue. Methodology, possibilities and limitations"
- 2006, Peter Kalsbøll, Københavns Universitet, speciale: "Analyse af størrelsesforskelle hos odderen (Lutra lutra L.) over tid og mellem geografiske regioner i Danmark":

Gæsteforelæser, underviser mv

- 1980, USA (National Museum of Natural History, Brown University, Univ. of South Carolina)
- 1984, Spanien (Universidad Complutense og Universidad Autonoma)
- 1986, Alaska (Univ. of Alaska, Fairbanks)
- 1989. 1990, Canada (Memorial University)
- 1987-1992, Københavns Universitet, Arktisk Biologi
- 1985, 1988-1992, Københavns Universitet, Kvartærzoologi
- 1993-95, Københavns Universitet, Eksperimentel Arkæologi
- 2004, Fakultetsopponent, Stockholms Universitet
- 2002-2006, Sensor, Århus Universitet, Københavns Universitet
- Folkeuniversitetet & Åbent Universitet, løbende
- 2015 Key-note Smithsonian: Life and death in the Arctic

Referee

- Referee, "Arctic", "Inuit Studies", "Meddelelser om Grønland"
- Referee for National Science Foundation

III. Formidling

Artikler mv

- populærvidenskabelige artikler (se bilag) og populære foredrag i ind- og udland.

Udstillinger:

- 1987, designer og forfatter på en vandrestilling om ny fund af gejrfulgen
- 1990-91, producent på Qeqertasussuk Projektets formidlingsdel (vandrestilling, video, disserie, temahæfte)

TV + film

- 1980, medvirkende i Jørgen Roos`film om Knud Rasmussen
- 1983, medvirkende i DR`s "De graver" om Åmosegravningerne og de første bønder
- 1985 - 86, medvirkende i Grønlands Radios dækning af udgravningerne på Qeqertasussuk, Grønland
- 1990, medvirkende i TV2 indslag om forhistoriske madvaner
- 1990, stofleverandør til og konsulent på DR`s interaktive videoplade om Grønland
- løbende bidrag i forbindelse med Statens Naturhistoriske Museum

Radio

- 1983, medvirkende i DR`s børneradios udsendelse om Jakobshavn
- 1985-86, medvirkende i Grønlands Radios udsendelse om udgravningerne på Qeqertasussuk
- 1987, medvirkende i DR indslag om udgravningerne på Qeqertasussuk
- 1987, program om gejrfulgen i DR`s "Videnskaben og vi"
- 1990, indslag om "Projekt Skjoldungen" i Grønlands Radio
- 1991, indslag om DNA i arkæologisk og fossilt materiale i DR`s Mondorama
- løbende bidrag i forbindelse med Statens Naturhistoriske Museum
- Gennem mine 15 år som centerleder og direktør har jeg produceret pressemeddelelser, hjemmesidetekster, skiltetekster, populære rapporter etc.
- 1991- , medvirkende i diverse TV indslag og programmer om Lejre Forsøgscenter, Dansk Polarcenter, Nordatlantens Brygge og Galathea 3
- 1991- , deltager i forskellige radioindslag om Lejre Forsøgscenter, Dansk Polarcenter, Nordatlantens Brygge og Galathea 3
- Foredragsholder i foreninger og institutioner
- Ca. 1988 - Medlem af "Naturens Verdens" Redaktionskomité
- løbende bidrag i forbindelse med Statens Naturhistoriske Museum

Evalueringer og udredninger

- Medlem af Udredningsgruppen vedr. Forskning på Færøerne udpeget af Videnskabsministeriet. Udredningen udkom 1997.

- Medlem af panelet til evaluering af ECMI (European Centre for Minority Issues) i Flensborg. Udpeget af Videnskabsministeriet. Rapporten "Evaluation of the European Centre for Minority Issues (ECMI)" udkom 2002.

V. Andet

- Modtager af den "Schibbyeske Præmie" 1989 for afhandlingen "The great auk, *Pinguinus impennis* (L.) in Greenland"
- Modtager af Galatheamedaljen, 2009

Uddannelse

Cand. scient. 1985, Københavns Universitet, Lic. scient. 1990, Københavns universitet

Publication list

2017

[Aasivissuit - Nipisat : inuit hunting ground between ice and sea.](#) / Jensen, Jens Fog; Andreasen, Claus; Fleischer-Lyberth, Paninnguaq; Løgstrup, Laust ; Poulsen, Hans Holt; Ólafsson, Ólafur Rafnar; Løventoft-Jessen, Anne-Christine ; Barr, Susan; [Meldgaard, Morten.](#)

Qeqqata Municipality, 2017. 192 s.

Formidling › Bog

[Annex 2: management plan : nomination of Aasivissuit-Nipisat - inuit hunting ground between ice and sea - for inclusion on the World Heritage List.](#) / Poulsen, Hans Holt; Andreasen, Claus; Fleischer-Lyberth, Paninnguaq; Løgstrup, Laust; [Jensen, Jens Fog](#); Ólafsson, Ólafur Rafnar; Løventoft-Jessen, Anne-Christine ; [Meldgaard, Morten](#); Barr, Susan; Würtz Poulsen, Kristina.

Qeqqata Municipality, 2017. 108 s.

Rådgivning › Rapport

2016

[DNA evidence of bowhead whale exploitation by Greenlandic Paleo-Inuit 4,000 years ago.](#) / Seersholm, Frederik Valeur; [Pedersen, Mikkel Winther](#); Søe, Martin Jensen; Shokry, Hussein; [Mak, Sarah](#); [Ruter, Anthony Henry](#); Raghavan, Maanasa; Fitzhugh, William; [Kjær, Kurt H.](#); [Willerslev, Eske](#); [Meldgaard, Morten](#); [Kapel, Christian](#); [Hansen, Anders Johannes.](#)

I: Nature Communications, Vol. 7, 13389, 2016.

Forskning - fagfællebedømt › Tidsskriftartikel

2014

[**The Greenland Ice Sheet : 80 years of climate change seen from the air.**](#) / [Kjær, Kurt H.;](#) [Bjørk, Anders Anker;](#) [Funder, Svend Visby;](#) [Groth-Hansen, Flemming;](#) [Houmark-Nielsen, Michael;](#) [Khan, Shfaqat Abbas;](#) [Kjeldsen, Kristian Kjellerup;](#) [Korsgaard, Niels Jákup;](#) [Larsen, Nicolaj Krog;](#) [Meldgaard, Morten;](#) [Ries, Christopher Jacob;](#) [Thostrup, Hans Henrik.](#)

Copenhagen : Natural History Museum of Denmark, Faculty of Science, University of Copenhagen, 2014. 180 s.

Formidling › Bog

[**The genetic prehistory of the New World Arctic.**](#) / [Raghavan, Maanasa;](#) [DeGiorgio, Michael;](#) [Albrechtsen, Anders;](#) [Moltke, Ida;](#) [Skoglund, Pontus;](#) [Korneliussen, Thorfinn Sand;](#) [Grønnow, Bjarne;](#) [Appelt, Martin;](#) [Gulløv, Hans Christian;](#) [Friesen, T Max;](#) [Fitzhugh, William;](#) [Malmström, Helena Susanne;](#) [Rasmussen, Simon;](#) [Olsen, Jesper;](#) [Melchior, Linea Cecilie;](#) [Fuller, Benjamin T;](#) [Fahrni, Simon M;](#) [Stafford jr., Thomas;](#) [Grimes, Vaughan;](#) [Renouf, M A Priscilla;](#) [Cybulski, Jerome;](#) [Lynnerup, Niels;](#) [Lahr, Marta Mirazon;](#) [Britton, Kate;](#) [Knecht, Rick;](#) [Arneborg, Jette;](#) [Metspalu, Mait;](#) [Cornejo, Omar E;](#) [Malaspinas, Anna Sapfo;](#) [Wang, Yong;](#) [Rasmussen, Morten;](#) [Raghavan, Vibha;](#) [Hansen, Thomas van Overeem;](#) [Khusnutdinova, Elza;](#) [Pierre, Tracey Lynn;](#) [Dneprovsky, Kirill;](#) [Andreasen, Claus;](#) [Lange, Hans;](#) [Hayes, M Geoffrey;](#) [Coltrain, Joan;](#) [Spitsyn, Victor A;](#) [Götherström, Anders;](#) [Orlando, Ludovic Antoine Alexandre;](#) [Kivisild, Toomas;](#) [Villems, Richard;](#) [Crawford, Michael H;](#) [Nielsen, Finn Cilius;](#) [Dissing, Jørgen;](#) [Heinemeier, Jan;](#) [Meldgaard, Morten;](#) [Bustamante, Carlos;](#) [O'Rourke, Dennis H;](#) [Jakobsson, Mattias;](#) [Gilbert, M Thomas P;](#) [Nielsen, Rasmus;](#) [Willerslev, Eske.](#)

I: Science, Vol. 345, Nr. 6200, 2014.

Forskning - fagfællebedømt › Tidsskriftartikel

2013

[**Indlandsisen : 80 års klimaændringer set fra luften.**](#) / [Kjær, Kurt H.;](#) [Bjørk, Anders Anker;](#) [Funder, Svend Visby;](#) [Groth-Hansen, Flemming;](#) [Houmark-Nielsen, Michael;](#) [Khan, Shfaqat Abbas;](#) [Kjeldsen, Kristian Kjellerup;](#) [Korsgaard, Niels Jákup;](#) [Larsen, Nicolaj Krog;](#) [Meldgaard, Morten;](#) [Ries, Christopher Jacob;](#) [Tholstrup, Hans Henrik.](#)

Natural History Museum of Denmark, Faculty of Science, University of Copenhagen, 2013. 180 s.

Formidling › Bog

2012

[**The future preservation of a permanently frozen kitchen midden in Western Greenland.**](#) / [Hollesen, Jørgen;](#) [Jensen, Jan Bruun;](#) [Matthiesen, Henning;](#) [Elberling, Bo;](#) [Lange, Hans;](#) [Meldgaard, Morten.](#)

I: Conservation and Management of Archaeological Sites, Vol. 14, Nr. 1-4, 2012, s. 159-168.

Forskning - fagfællebedømt › Tidsskriftartikel

2011

Paleo-Eskimo kitchen midden preservation in permafrost under future climate conditions at Qajaa, West Greenland. / [Elberling, Bo](#); [Matthiesen, Henning](#); [Jørgensen, Christian](#); [Juncher, Hansen, Birger](#); [Grønnow, Bjarne](#); [Meldgaard, Morten](#); [Andreasen, Claus](#); [Khan, Shfaqat Abbas](#).

I: Journal of Archaeological Science, Vol. 38, Nr. 6, 06.2011, s. 1331-1339.

Forskning - fagfællebedømt › Tidsskriftartikel

Species-specific responses of Late Quaternary megafauna to climate and humans. / [Lorenzen, Eline](#); [Nogues, David Bravo](#); [Orlando, Ludovic Antoine Alexandre](#); [Weinstock Arenovitz, Jacobo](#); [Binladen, Jonas Khalid Mohamed Awad](#); [Marske, Katharine Ann](#); [Ugan, Andrew](#); [Borregaard, Michael Krabbe](#); [Gilbert, M. Thomas P.](#); [Nielsen, Rasmus](#); [Ho, Simon Y. W.](#); [Goebel, Ted](#); [Graf, Kelly E.](#); [Byers, David](#); [Stenderup, Jesper](#); [Rasmussen, Morten](#); [Campos, Paula](#); [Leonard, Jennifer A.](#); [Koepfli, Klaus-Peter](#); [Froese, Duane](#); [Zazula, Grant](#); [Stafford jr., Thomas](#); [Aaris-Sørensen, Kim](#); [Batra, Persaram](#); [Haywood, Alan M.](#); [Singarayer, Joy S.](#); [Valdes, Paul J.](#); [Boeskorov, Gennady](#); [Burns, James A.](#); [Davydov, Sergey P.](#); [Haile, James Seymour](#); [Jenkins, Dennis L.](#); [Kosintsev, Pavel](#); [Kuznetsova, Tatyana](#); [Lai, Xulong](#); [Martin, Larry D.](#); [McDonald, H. Gregory](#); [Mol, Dick](#); [Meldgaard, Morten](#); [Munch, Kasper](#); [Stephan, Elisabeth](#); [Sablin, Mikhail](#); [Sommer, Robert S.](#); [Sipko, Taras](#); [Scott, Eric](#); [Suchard, Marc A.](#); [Tikhonov, Alexei](#); [Willerslev, Rane](#); [Wayne, Robert K.](#); [Cooper, Alan](#); [Hofreiter, Michael](#); [Sher, Andrei](#); [Shapiro, Beth](#); [Rahbek, Carsten](#); [Willerslev, Eske](#).

I: Nature, Vol. 479, Nr. 7373, 2011, s. 359-364.

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2010

Ancient human genome sequence of an extinct Palaeo-Eskimo. / [Rasmussen, Morten](#); [Li, Yingrui](#); [Lindgreen, Stinus](#); [Pedersen, Jakob Skou](#); [Albrechtsen, Anders](#); [Moltke, Ida](#); [Metspalu, Mait](#); [Metspalu, Ene](#); [Kivisild, Toomas](#); [Gupta, Ramneek](#); [Bertalan, Marcelo](#); [Nielsen, Kasper](#); [Gilbert, Tom](#); [Wang, Yong](#); [Raghavan, Maanasa](#); [Campos, Paula](#); [Kamp, Hanne Louise Munkholm](#); [Wilson, Andrew S.](#); [Gledhill, Andrew](#); [Tridico, Silvana](#); [Bunce, Michael](#); [Lorenzen, Eline](#); [Binladen, Jonas Khalid Mohamed Awad](#); [Guo, Xiaosen](#); [Zhao, Jing](#); [Zhang, Xiuqing](#); [Zhang, Hao](#); [Li, Zhuo](#); [Chen, Minfeng](#); [Orlando, Ludovic Antoine Alexandre](#); [Kristiansen, Karsten](#); [Bak, Mads](#); [Tommerup, Niels](#); [Bendixen, Christian](#); [Pierre, Tracey L](#); [Grønnow, Bjarne](#); [Meldgaard, Morten](#); [Andreasen, Claus](#); [Fedorova, Sardana A.](#); [Osipova, Ludmila P.](#); [Higham, Thomas F. G.](#); [Ramsey, Christopher Bronk](#); [Hansen, Thomas van Overeem](#); [Nielsen, Finn Cilius](#); [Crawford, Michael H.](#); [Brunak, Søren](#); [Sicheritz-Pontén, Thomas](#); [Villemis, Richard](#); [Nielsen, Rasmus](#); [Krogh, Anders](#); [Wang, Jun](#); [Willerslev, Eske](#).

I: Nature, Vol. 463, Nr. 7282, 11.02.2010, s. 757-762.

Forskning - fagfællebedømt › Tidsskriftartikel

2009

[Geographical report of the GeoArk expeditions to north-east Greenland 2007 and 2008.](#) / [Kroon, Aart](#); Jakobsen, Bjarne Holm; Pedersen, Jørn Bjarke Torp; Addington, Laura; Kaufmann, Laura; Grønnow, Bjarne; Jensen, Jens Fog; [Sørensen, Mikkel](#); Gulløv, Hans; Hardenberg, Mariane; [Gotfredsen, Anne Birgitte](#); [Meldgaard, Morten](#).

Copenhagen : SILA - National Museum of Denmark, 2009. 90 s.

Forskning › Rapport

2008

[GeoArk 2005 og 2007 : rapport over rekognosceringer i Nordostgrønland.](#) / Fog Jensen, Jens; Grønnow, Bjarne; Gotfredsen, Anne Birgitte; Jakobsen, Bjarne Holm; [Kroon, Aart](#); [Meldgaard, Morten](#); Sørensen, Mikkel.

København : SILA, Nationalmuseets Center for Grønlandsforskning, 2008. 116 s.
(Feltrapport / SILA, Nationalmuseets Center for Grønlandsforskning; Nr. 27).

Forskning › Rapport

[Paleo-eskimo mtDNA genome reveals matrilineal discontinuity in Greenland.](#) / [Gilbert, Marcus Thomas Pius](#); Kivisild, Toomas; Grønnow, Bjarne; Andersen, Pernille K; Metspalu, Ene; Reidla, Maere; Tamm, Erika; Axelsson, Erik; Götherström, Anders; [Campos, Paula F](#); Rasmussen, Morten; Metspalu, Mait; Higham, Thomas F G; Schwenninger, Jean-Luc; Nathan, Roger; De Hoog, Cees-Jan; Koch, Anders; Møller, Lone Nukarak; Andreassen, Claus; [Meldgaard, Morten](#); Villems, Richard; Bendixen, Christian; [Willerslev, Eske](#).

I: Science, Vol. 320, Nr. 5884, 2008, s. 1787-1789.

Forskning - fagfællebedømt › Tidsskriftartikel

[GeoArk : Coast, Man and Environment in North East Greenland.](#) / Grønnow, Bjarne; Jakobsen, Bjarne Holm; [Gotfredsen, Anne Birgitte](#); Jensen, Jens Fog; [Kroon, Aart](#); [Meldgaard, Morten](#); Pedersen, Jørn Bjarke Torp; Sørensen, Mikkel.

Zackenbergs Ecological Research Operations, 13th Annual Report 2007. red. / Anne B. Klitgaard; Morten Rasch. Copenhagen : Danish Polar Center, 2008. s. 83-84.

Formidling › Bidrag til rapport

[Baggrund og rammer for ekspeditionen. Galathea 3, 2006-2007.](#) / Haslund-Christensen, Søren; [Meldgaard, Morten](#).

Danmark : Dansk Ekspeditionsfond Galathea 3 og Thaning & Appel, 2008. 368 s.

Formidling › Bog

[GeoArk 2007 : Kyst, mennesker og miljø i Nordostgrønland.](#) / Jakobsen, Bjarne Holm; Kroon, Aart; Pedersen, Jørn Bjarke Torp; Andersen, Thorbjørn Joest; Grønnow, Bjarne; Sørensen, Mikkel; Gulløv, Hans Christian; Jensen, Jens Fog; [Gotfredsen, Anne Birgitte;](#) [Meldgaard, Morten.](#)

I: Geografi - årsskrift for selskabets .../Det Kongelige Danske Geografiske Selskab, Vol. 2007, 2008, s. 35-43.

Forskning › Tidsskriftartikel

2004

[Ancient Harp Seal Hunters of Disko Bay. : Subsistence and Settlement at the Saqqaq Culture Site Qeqertasussuk \(2400-1400 BC\), West Greenland.](#) / [Meldgaard, Morten.](#)

Copenhagen : Museum Tusulanum, 2004. 189 s.

Forskning › Doktordisputats

2001

[Historical ecology.- In: Born, E. W. & J. Böcher \(eds.\) The Ecology of Greenland.](#) / [Meldgaard, Morten.](#)

Nuuk : Atuakkiorfik Illinniusiorfik, 2001. 429 s.

Undervisning › Bog

1998

[Polyphyletic Origin of the Small-Bodied, High-Arctic Subspecies of Tundra Reindeer \(Rangifer tarandus\).](#) / Nielsen, Peter Gravlund; [Meldgaard, Morten;](#) Pääbo, Svante; Arctander, Peter.

I: Molecular Phylogenetics and Evolution, Vol. 10, Nr. 2, 1998, s. 151-159.

Forskning - fagfællebedømt › Tidsskriftartikel

(Publikation tidligere end 1998 ikke medtaget)

**Fortegnelse over bedømmelsesudvalg til
stilling Professor in Energy Planning and Renewable Energy Systems (60225) ved PLAN**

Navn: Professor Lone Kørnøv

Arbejdssted: PLAN, AAU

E-mail: lonek@plan.aau.dk

Navn: Professor Tomas Kåberger

Arbejdssted: Chalmers University of Technology

E-mail: tomas@kaberger.se

Navn: Professor Søren Linderøth

Arbejdssted: DTU Energy

E-mail: sqli@dtu.dk

Akademisk Råd har taget stilling til, at medlemmer af bedømmelsesudvalget er sagkyndige inden for stillingsområdet på et niveau, der mindst svarer til det, der forudsættes for stillingen, dog ikke under lektorniveau.

Professor in Energy Planning and Renewable Energy Systems (60225)

Position No.

60225

At Technical Faculty of IT and Design, Department of Planning, Copenhagen a position as Professor in "Energy Planning and Renewable Energy Systems" is open for appointment from 1.1.2018 or soon hereafter.

The Department of Planning conducts research and teaching on development and planning in a broad sense, including social science aspects as well as more technical aspects of development, and with a focus on environmental, international as well as administrative dimensions.

Job description

The position requires research qualifications at Doctor level within Energy Planning, i.e. a combination of on the one hand advanced technical energy systems analysis and on the other hand feasibility studies and public regulation, with a national as well as an international scope. The position is required to further develop the activities of the Sustainable Energy Planning Research Group at the Aalborg University Copenhagen Campus with a focus on the development and implementation of 100% Renewable Energy Systems. This include further development of the academic field as well as establishment of external funding of relevant activities in collaboration with rest of the group.

Teaching will primarily be in the International M.Sc. programs in Sustainable Cities and Sustainable Energy Planning and Management, but also in other study programmes at the University. Experience with Problem Base Learning is an advantage.

You may obtain further professional information from Professor Henrik Lund, +45 9940 8309, lund@plan.aau.dk.

Qualification requirements:

The successful applicant can demonstrate a documented high level of original scientific production at an international level, including proven further development of the research area in question, documented experience in succesful application for external research funding and project management. An assessment of the candidate's undertaking of research management and/or other possible management functions will also be taken into account. In addition the applicant is expected to have the qualifications required for undertaking teaching responsibilities. Special contributions to and development of educational and teaching related areas will be considered in the overall assessment. The application must contain the following:

- A motivated text wherein the reasons for applying, qualifications in relation to the position, and intentions and visions for the position are stated.
- A current curriculum vitae.
- Copies of relevant diplomas (Master of Science and PhD).
- Scientific qualifications. A complete list of publications must be attached with an indication of the works the applicant wishes to be considered. You may attach up to 10 publications.
- Teaching qualifications described in the teaching portfolio. If this is not enclosed the applicant must include an explanation for its absence.
- Dissemination qualifications, including participation on committees or boards, participation in organisations and the like.
- Additional qualifications in relation to the position.
- References/recommendations.
- Personal data.

The applications are only to be submitted online by using the "Apply online" button below. An assessment committee will assess all candidates. For further information concerning the application procedure please contact Nickie Hermansen by mail nkh@adm.aau.dk or phone (+45) 9940 7902

Information regarding guidelines, ministerial circular in force, teaching portfolio and procedures can be seen [here](#).

Workplace

Copenhagen

Agreement

Appointment and salary acc. to the agreement between the Ministry of Finance and the Danish Confederation of professional Associations (AC) on Academics in the State. Employment as Professor is in accordance with a classified position on scale 37. In addition, a pensionable increment will be given.

Deadline

04/10/2017

Apply online

Aalborg University (AAU) conducts teaching and research to the highest level in the fields of humanities, engineering, and natural, health, and social sciences.

[top](#)

Curriculum vitae for Søren Linderøth

(born 13.07.1958)

Education

- 1987 Ph.D. from the Technical University of Denmark
Thesis: *Positrons in Condensed Matter*
- 1984 Master Science (Eng.) from the Technical University of Denmark
Thesis: *Positrons in Solids*

Employments

- 2012- Head of Department, Professor
Department of Energy Conversion and Storage, DTU Energy, Technical University of Denmark
- 2008-2011 Professor and Head of Division
Fuel Cells and Solid State Chemistry Department, Risø National Laboratory for Sustainable Energy, Risø DTU, Technical University of Denmark
- 2006-2014 Adjunct Professor
Aalborg University, Department of Energy Technology
- 2006-2008 Head of Department
Risø DTU, Fuel Cells and Solid State Chemistry Department
- 2001-2006 Head of Programme
Risø National Laboratory, Department of Materials Research.
- 1992-2001 Senior Research Scientist
Risø National Laboratory, Department of Materials Research.
- 1989-1992 Senior Stipendiat
Technical University of Denmark, Laboratory of Applied Physics
- 1987-1989 Postdoc
Technical University of Denmark, Laboratory of Applied Physics
- 1987 Postdoc
University of Copenhagen, Physics Laboratory, H.C. Ørsted Institute
- 1984-1987 Ph.D.-student
Technical University of Denmark, Laboratory of Applied Physics

- 1983 Guest researcher
Brookhaven National Laboratory, USA
- 1983 Guest researcher
University of Guelph, Canada
- 1982 Summer student
CERN, Switzerland.

Research visits abroad

- 2001 National Research Institute for Metals, Tsukuba, Japan.
 μ -XRD of bulk amorphous alloy
- 1991 University of Barcelona, Physics Department, Spain.
Magnetization measurements of magnetic nanoparticles
- 1986 University of Jyväskylä, Physics Department, Finland.
Ion implantation and low-temperature positron lifetime studies
- 1985 University of Guelph, Department of Physics, Canada.
Positron annihilation techniques and Compton scattering
- 1985 University of Jyväskylä, Physics Department, Finland.
Ion irradiation and positron lifetime studies
- 1985 ETH-Zürich, Switzerland.
SAXS studies of He bubbles in Al
- 1984 University of Jyväskylä, Physics Department, Finland.
Ion irradiation
- 1983 Brookhaven National Laboratory, Physics Department, USA.
Set-up of micro-channel detection system for slow-positron beam
- 1983 University of Guelph, Department of Physics, Canada.
Dual-parameter positron annihilation techniques
- 1982 CERN, Switzerland.
Calculations of radiation heating for the design of the LEP ring

Boards and Committees

- Member of the Danish National Committee of World Energy Council 2016-
- Chairman of Board for the Election of New Members of the Danish Academy of Technical Sciences (ATV) 2016
- Vice chairman of Board for the Election of New Members of the Danish Academy of Technical Sciences (ATV) 2015
- Elected Member of the Danish Academy of Technical Sciences (ATV) 2014-
- Member of International Program Committee Fifth International Conference on Sustainability in Energy and Buildings 2014
- Member of the International Programme Committee for The Mediterranean Green Energy Forum 2013 (MGEF-13)
- Member of Evaluation Board of Infrastructure Proposals to the Norwegian Research Council (2012-2013)
- Member of the International Technical Program Committee of SEIT 2013 (3rd International Conference on Sustainable Energy Information Technology).
- Member of International Program Committee International Conference on Sustainability through Energy and Buildings 2012 (SEIT)
- Member of the Technical Program Committee of the International Renewable and Sustainable Energy Conference (IRSEC' 12)
- Member of the Energy Panel at the Copenhagen Research Forum , CRF, January 16, 2012, Copenhagen
- Scientific Committee of the Nordic Hydrogen and Fuel cell Conference, 2011
- Scientific Committee of the “European Fuel Cell Technology & Applications Piero Lunghi Conference”, 2011
- Chair of the Evaluation Board for a Professorship in Energy Systems at DTU, 2011
- Chair of the Steering Committee of the OPTIMAC project (2011-2013)
- Chair of the Steering Committee of the OTEPOWER project (2011-2013)
- Scientific Committee of the Symposium on “Fuels Cells/Energy Conversion”, E-MRS 2011
- Chairman of Board for the Evaluation of Professor for Energy Economics, DTU (2010-11)
- Editorial Board of the book series “Sustainable Energy Developments” (2010-)
- International Programme Committee, SEB-2011, International Conference on Sustainability in Energy and Buildings
- Chair of the Steering Committee of the HTF project fuel cells in hearing aids (2010--)
- Board of Ph.D. defence of Michael Sillassen, Aarhus University, 2010
- Programme Committee of the Sustainability in Energy and Buildings Conference (SEB09)
- International Advisory Committee of Hydrogen & Fuel Cells 2009
- Topic Coordinator: Fuel Cells & Hydrogen Storage Technologies at THERMEC'2009
- Arrangement Committee of the Grove Fuel Cells Science and Technology Conference (2008)
- Interim Executive Board of the JTI-RG (2007-2009)
- Core Group of JTI Research Grouping (2007-2009)
- Coordination Committee for SYSLAB (2007-2008)
- Description of Energy Activities at the Technical University of Denmark (2007)
- Description of the new Risø National Laboratory at the Technical University of Denmark (2007)
- Board of the Partnership for Hydrogen and Fuel Cells (2007-2015)

- Chair of the Steering Committee for the MAGCOOL project on Energy Efficient and Environmentally Friendly Cooling using Magnetic Refrigeration. Chairman (2007-2011)
- Risø Management Board, RLF (2006-2011)
- The Steering Committee of the Hydrogen and Fuel Cell Academy. Chairman (2006-2015)
- Supervisory Board for the Topsoe Fuel Cell and Risø Consortium on SOFC (2006-2011)
- Advisory Board Diffusion in Solids and Liquids Conferences (2006--)
- Board of Risø Leadership Academy (2005-2008)
- Steering Committee of the 26th Risø International Symposium on Materials Science: Solid State Electrochemistry. Chairman (2005)
- Scientific Advisory Board of the start-up company DentoFit (2005-2010)
- Evaluator of the Swedish Fuel Cell Program (2005)
- Coordination Committee for Emerging Energy Technologies (2005-2012)
- Coordination Committee for Fuel Cells and Hydrogen (2004-2012)
- International Energy Agency (IEA) delegate for Advanced Fuel Cells (2004-2010)
- The Steering Committee of NABIIT project (2004-2008)
- The Steering Committee of the project Efficient Conversion of Renewable Energy using Solid Oxide Cells. Chairman (2004-2008)
- Steering Committee of 24th Risø International Symposium on Materials Science: Superconductivity and Magnetism (2003)
- Expert Panels for the evaluation of projects under FP4, FP5 and FP6
- Steering Committee of 22th Risø International Symposium on Materials Science: Science of Metastable and Nanocrystalline Alloys (2001)
- Management Board for the Topsøe-Risø Consortium on SOFC. Chairman (2001-2006)
- Advisory Board of Diffusion and Defect Data (2000--)
- Member of the Steering Committee for the Danish Solid Oxide Fuel Cell Program (1997-2012)
- The Steering Committee of the LOCO-SOFC project (1997-2000)

Awards

- Gorm Pedersen og Hustrus Mindelegat (1991)
- AEG Elektronfondens Elektronpris (2008)
- Corrits akademiske rejselegat (2010)
- Ridder af Dannebrogordenen (2011)

List of patents

1. **Electrochemical cell and a method for the manufacture thereof**
S. Linderoth, S. Primdahl
Published
2. **A method shrinkage and porosity control during sintering of multilayer structures**
S. Linderoth, P.H. Larsen
Published
3. **A disposable hypodermic needle**
S. Linderoth, A. van Lieveld
Published
4. **Reversible solid oxide fuel cell stack and a method for preparing same**
P.H. Larsen, A. Smith, M. Mogensen, S. Linderoth, P.V. Hendriksen
Published
5. **Fuel cell component comprising a complex oxide forming coating**
M. Schuisky, F. Petersen, N. Christiansen, J.G. Larsen, S. Linderoth, L. Mikkelsen
Published
6. **Strip product forming a surface coating of perovskite or spinel for electrical contacts**
M. Schuisky, F. Petersen, N. Christiansen, J.G. Larsen, S. Linderoth, L. Mikkelsen
Published
7. **Composite material comprising a water- or acid-releasing agent**
A. van Lelieveld, M.S. Nielsen, K. Almdal, S. Linderoth
Published
8. **Ultrasonic curing of dental filling materials**
A. van Lelieveld, B.F. Sørensen, K. Almdal, S. Linderoth
Published
9. **A multi-layer coating**
P.V. Hendriksen, L. Mikkelsen, P.H. Larsen, S. Linderoth, M. Mogensen
Published
10. **A magnetic regenerator, a method of making a magnetic regenerator, a method of making an active magnetic regenerator and an active magnetic refrigerator**
N. Pryds, S. Linderoth, A. Smith, A.R. Dinesen
Published
11. **A method for producing articles with fine outlines by way of shaping and crystallizing amorphous alloys**
N. Pryds, J. Wert, S. Linderoth, A.S. Petersen, M. Eldrup
Published

12. **Solid oxide fuel cell**
P.H. Larsen, M. Mogensen, S. Linderoth, K.K. Hansen, W. Wang
Published
13. **Advanced surface engineering**
P.H. Larsen, M. Mogensen, S. Linderoth, P.V. Hendriksen, M. Chen
Submitted
14. **Reaktive composite layers for reduction of chromium poisoning**
K.A. Nielsen, S. Linderoth, P.V. Hendriksen, Å. Persson, L. Mikkelsen, J.G. Larsen,
N. Christiansen
Submitted
15. **Thin, self-supported solid oxide cell**
P.H. Larsen, S. Linderoth, P.V. Hendriksen
Submitted
16. **Graded structures**
P.H. Larsen, S. Linderoth, P.V. Hendriksen, M. Mogensen
Submitted
17. **Method for the manufacture of ionic membranes with a stable nanosized
microstructure**
P.H. Larsen, S. Linderoth
Published
18. **Robust low cost mixed conduction membrane structure**
P.H. Larsen, S. Linderoth
Published
19. **Magnetic refrigeration system**
N. Pryds, C. Bahl, A. Smith, L.T. Kuhn, S. Linderoth
Submitted
20. **Magnetocaloric materials**
S. Linderoth, P.V. Hendriksen, S. Jeppesen
Submitted
21. **Sintering**
S. Linderoth
Submitted
22. **Novel method for producing thermoelectric power generators**
N.V. Nong, N. Pryds, C.R.H. Bahl, A. Smith, and S. Linderoth
Submitted
23. **Reinforced Designs of Planar Solid Oxide Fuel Cell for Stack Application**
V. Esposito and S. Linderoth

24. **Metastable Nano Zirconia Particles**
K. Almdal, S. Linderoth, and S. Ramousse
25. **An Amorphous Metal Biocensor Lancet**
A. Lieveld and S. Linderoth
26. **Fast Ionic Conductor-Stabilized Heterostructures Thin Films Materials for Electrochemical Applications**
V. Esposito, S. Sanna, N. Pryds, and S. Linderoth
27. **Cold Store for Magnetic Refrigerators**
C.H. Bahl, A. Smith, and S. Linderoth
28. **Gallium Doped Zinc Cadmium Oxide as a Transparent Conductive Oxide (TCO) for optoelectronic Devices**
N. Pryds, L. Han, D.V. Christensen, and S. Linderoth
29. **Scandium Doped Zinc Cadmium Oxide as a Stable n-type Material for Thermoelectric Application**
L. Han, N. Pryds, N.V. Nong, and S. Linderoth
30. **Structure Useful for Producing a High Performance Thermoelectric Module and Method for Producing the Same**
N. Pryds, S. Linderoth, N.V. Nong, and T.H. Le

List of publications

1. **Binding of Gas Atoms to Extended Crystal Defects in Molybdenum Studied by Positrons**
H. E. Hansen, S. Linderoth, W. Wierzchowski, and K. Petersen
Applied Physics A27, 247 (1982).
2. **The Influence of Impurities on the Recovery in Stages III-IV of 2, 10 and 40 MeV Electron Irradiated Mo**
H.E. Hansen, M. Eldrup, S. Linderoth, B. Nielsen, and K. Petersen
Positron Annihilation, edited by P.G. Coleman, S.C. Diana, and L.M. Sharma (North-Holland, Amsterdam, 1982), p. 432.
3. **Positron Implantation Profile in Nickel**
H.E. Hansen, S. Linderoth, and K. Petersen
Applied Physics A29, 99 (1982).
4. **Positron Transmission and Effective Mass Absorption Coefficient in Nickel**
S. Linderoth, H.E. Hansen, B. Nielsen, and K. Petersen
Applied Physics A33, 25 (1984).
5. **Gas Impurities in Defects Studied by Positrons**
M.D. Bentzon, H.E. Hansen, S. Linderoth, B. Nielsen, H.K. Nielsen, and K. Petersen
Microstructural Characterization of Materials by Non-Microscopical Techniques, edited by N.H. Andersen, M. Eldrup, N. Hansen, D.J. Jensen, T. Leffers, H. Lillholt, O.B. Pedersen, and B.N. Singh (Risø National Laboratory, Roskilde, 1984), p. 199.
6. **Positron Mobility and Electric Field Dependence on Positronium Formation in some Liquid Hydrocarbons**
S. Linderoth, I.K. MacKenzie, and S. Tanigawa
Physics Letters 107A, 409 (1985).
7. **Hydrogen in Electron- and Neutron Irradiated Iron**
H.E. Hansen, H.K. Nielsen, B. Nielsen, M.D. Bentzon, S. Linderoth, and K. Petersen
Positron Annihilation, edited by P.C. Jain, R.M. Singru, and K.P. Gopinathan (World Scientific, Singapore, 1985), p. 482.
8. **Temperature Dependence of Positron Trapping by Vacancies, Loops and Voids in Molybdenum**
M.D. Bentzon, S. Linderoth, and K. Petersen
Positron Annihilation, edited by P.C. Jain, R.M. Singru, and K.P. Gopinathan (World Scientific, Singapore, 1985), p. 485.
9. **Temperature Dependence of Positron Trapping by Hydrogen Contaminated Voids in Molybdenum**
M.D. Bentzon, S. Linderoth, and K. Petersen
Positron Annihilation, edited by P.C. Jain, R.M. Singru, and K.P. Gopinathan (World Scientific, Singapore, 1985), p. 488.

10. **Temperature Dependence of Positron Trapping Rates in Defected Aluminium**
S. Linderoth, M.D. Bentzon, H.E. Hansen, and K. Petersen
Positron Annihilation, edited by P.C. Jain, R.M. Singru, and K.P. Gopinathan (World Scientific, Singapore, 1985), p. 494.
11. **Helium in Aluminium from 20 to 930 K**
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Y.Z. Chen, N. Bovet, F. Trier, D.V. Christensen, F.M. Qu, N.H. Andersen, T. Kasama, W. Zhang, R. Giraud, J. Dufouleur, T.S. Jespersen, J.R. Sun, A. Smith, J. Nygård, L. Lu, B. Büchner, B.G. Shen, S. Linderoth, and N. Pryds
Nature Communications 4 (2013); DOI: <http://dx.doi.org/10.1038/ncomms2394>
215. **The Influence of α - and $\gamma\text{-Al}_2\text{O}_3$ Phases on the Thermoelectric Properties of Al-doped ZnO**
L. Han, N.V Nong, L.T. Hung, N. Pryds, M. Ohtaki, and S. Linderoth
Journal of Alloys and Compounds 555, 291 (2013)
216. **High Temperature Thermoelectric Properties of $\text{Ca}_{0.9}\text{Y}_{0.1}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ ($0 < x < 0.25$)**
L.T. Hung, N.V. Nong, L. Han, D.L. Minh, K.A. Borup, B.B. Iversen, N. Pryds, and S. Linderoth
Journal of Materials Science 48, 2817 (2013)
217. **Room Temperature Formation of High-Mobility Two-Dimensional Electron Gases at Crystalline Complex Oxide Interfaces**
Y.Z. Chen, N. Bovet, T. Kasama ; Gao, W.W. ; S. Yazdi ; C. Ma, N. Pryds, and S. Linderoth
Advanced Materials 26, 1462 (2014)
218. **High Temperature Thermoelectric Properties of $\text{Ca}_3\text{Co}_4\text{O}_{9+\delta}$ by Auto-combustion Synthesis and Spark Plasma Sintering**
N. Wu, T.C. Holgate, N.V. Nong, N. Pryds, and S. Linderoth
Journal of the European Ceramic Society 34, 925 (2014)
219. **Effects of Morphology on the Thermoelectric Properties of Al-doped ZnO**
L. Han, N.V. Nong, W. Zhang, L.T. Hung, T. Holgate, K. Tashiro, M. Ohtaki, N. Pryds, and S. Linderoth
R S C Advances 4,12353 (2014)

220. **Segmentation of High Efficiency Thermoelectric Unicouples using 1D Calculation**
P.H. Ngan, D.V. Christensen, L.T. Hung, J. Snyder, N.V. Ngo, S. Linderoth, and N. Pryds
Physica Status Solidi A: Applications and Materials Science 211, 9 (2014)
221. **Solid Oxide Fuel Cells**
V. Esposito, I. Garbayo, S. Linderoth, and N. Pryds
in *Epitaxial Growth of Complex Metal Oxides* p. 443-478 (2015), Woodhead Publishing,
DOI: <http://dx.doi.org/10.1016/B978-1-78242-245-7.00015-4>
222. **High Performance p-Type Segmented Leg of Misfit-Layered Cobaltite and Half-Heusler Alloy**
L.T. Hung, N.V. Ngo, J. Snyder, M.H. Viet, B. Balke, L. Han, E. Stamate, S. Linderoth, and N. Pryds
Energy Conversion and Management 99, 20 (2015)
223. **Enhancement of the chemical stability in confined δ -Bi₂O₃**
S. Sanna, V. Esposito, J.W. Andreasen, J. Hjelm, W. Zhang, T. Kasama, S.B. Simonsen, M. Christensen, S. Linderoth, and N. Pryds
Nature Materials (DOI: <http://dx.doi.org/10.1038/NMAT4266>), 14, 500 (2015)
224. **Extreme Mobility Enhancement of Two-Dimensional Electron Gases at Oxide Interfaces via Charge Transfer Induced Modulation Doping**
Y.Z. Chen, F. Trier, T. Wijnands, R.J. Green, N. Gauquelin, R. Egoavil, D. V. Christensen, G. Koster, M. Huijben, N. Bovet, S. Macke, F. He, R. Sutarto, N.H. Andersen, J.A. Sulpizio, M. Honig, G.E.D.K. Prawiroatmodjo, T.S. Jespersen, S. Linderoth, S. Ilani, J. Verbeek, G. Van Tendeloo, G. Rijnders, G. A. Sawatzky, and N. Pryds
Nature Materials (ISSN: 1476-1122), 2015
225. **Effects of Yttrium and Iron co-Doping on the High Temperature Thermoelectric Properties of Ca₃Co₄O_{9+ δ}**
N. Wu, N.V. Ngo, N. Pryds, and S. Linderoth
Journal of Alloys and Compounds 638, 127 (2015)
226. **Creation of High Mobility Two-Dimensional Electron Gases via Strain Induced Polarization at an Otherwise Nonpolar Complex Oxide Interface**
Y. Chen, F. Trier, T. Kasama, D.V. Christensen, N.E. Bovet, Z.I. Balogh, L. Han, K.T.S. Thydén, W. Zhang, S. Yazdi, P. Norby, N. Pryds, and S. Linderoth
Nano Letters 15, 1849 (2015)
227. **Segmentation of Low-Cost High Efficiency Oxide-Based Thermoelectric Materials**
L.T. Hung, N.V. Ngo, S. Linderoth, and N. Pryds
Physica Status Solidi. A: Applications and Materials Science 212, 767 (2015)
228. **Scandium-Doped Zinc Cadmium Oxide as a New Stable n-Type Oxide Thermoelectric Material**
L. Han, D.V. Christensen, A. Bhowmik, S.B. Simonsen, T.H. Le, E. Abdellahi, Y.Z. Chen, N.V. Nong, S. Linderoth, and N. Pryds
Journal of Materials Chemistry A 4, 12221 (2016)

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229. **On the Challenges of Reducing Contact Resistances in Thermoelectric Generators Based on Half-Heusler Alloys**
N.H. Pham, N.V. Nong, T.H. Le, B. Balke, L. Han, E.M.H. Jensen, S. Linderoth, and N. Pryds
Journal of Electronic Materials **45**, 594 (2016)

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Currently main professional affiliations:
Chalmers University of Technology,
Japan Renewable Energy Foundation &
Vattenfall Board of Directors

Summary of current main activities

Tomas Kåberger is professor of Industrial Energy Policy at Chalmers University of Technology serving as director of the Energy Area of Advance. He also represents the University as chairman of the board of European Biofuel Technology Platform.

He hold a visiting position at State Key Lab of Clean Energy Utilisation at Zhejiang University, Hangzhou China.

Part time on leave from the university he also serves 33% as Executive Board Chairman of the Renewable Energy Institute based in Tokyo. He also serves of other boards such as Vattenfall AB and some smaller energy technology companies. He is appointed by the government as vice chairman of the Swedish National Forest Agency.

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1. Academic background

2012 — Professor of Industrial Energy Policy at Chalmers University of Technology.

2012 – Visiting Academy, International Institute of Industrial Environmental Economics at Lund University.

2008 – 2017 Assigned by College of Mechanical and Energy Engineering at Zhejiang University as visiting expert every year 2008-2013, extended 2014-2018.

2016-04—2016-12 Co-Director of Chalmers University Energy Area of Advance

2013 Visiting Fellow, Institute of Advanced Studies Technische Universität München

2006-2009 Adjunct professor of Sustainable International Energy Systems at the International Institute of Industrial Environmental Economics at Lund University

2003 Associate professor (Docent) in Environmental Science at Chalmers University of Technology

1999 Awarded a Ph.D. in Physical Resource Theory, Chalmers University of Technology and University of Göteborg.

1991 Awarded the degree Licentiate of Engineering, Physical Resource Theory, Chalmers University of Technology.

1983 Passed a course in Eco-philosophy at the department of philosophy at the University of Göteborg.

1983 Awarded a M. Sc. in Engineering Physics at Chalmers University of Technology.

1982 Passed a course in Human Ecology at the University of Göteborg.

1979–1983 Attended a M.Sc. program in Engineering Physics at Chalmers University of Technology.

1979 Awarded an International Baccalaureate, including Physics, Chemistry and Mathematics at higher level, and English B, Swedish A, and Environmental Studies at Subsidiary level, rewarded premium points for an extended essay in experimental Physics.

1977–1979 Held a scholarship for two years at United World College of the Atlantic, in Wales, Great Britain.

1976–1977 1st year of Technical "gymnasium", Zimmermanska in Västerås, Sweden

1973–1976 St Ilians School in Västerås

1969–1973 Vallby School in Västerås

1967–1969 Aluddens School in Lerum, Sweden

Some other courses

2011 04-04--08 Nordic Course in Crisis Management for senior managers, Rånäs slott. Organised by the Swedish Civil Contingencies Agency and the Swedish Defence College

2009 Leading Civil Servant Training. Swedish Defence College "Solbackakursen".

2009 June 11-12 & August 26-27 "Leadership under difficult circumstances" a course for leading Swedish Civil servants organised by the Swedish Civil Contingencies Agency.

2. Main Professional Experience

2016-06— Co-director Chalmers Energy Area of Advance

2015-04 — Member of the Board of Directors of Vattenfall AB

2012-08-10— Editor in Chief, Energy Science and Engineering John Wiley and Sons.

2012-03-01 — Professor of Industrial Energy Policy, Chalmers University of Technology

2011-08-22— Executive board chairman of Japan Renewable Energy Foundation

2011-08-22–2012-03-31 Co-director Chalmers Energy Area of Advance.

2011-08-22–2012-12-31 Chalmers Industrial Technology.

2008-03-01–2011-08-22 Director General of the Swedish Energy Agency

2007-12-01–2008-02-29 Strategic Advisor, Växjö energi AB (15%)

2006-11 — 2009-10 Adjunct Professor of International Sustainable Energy Systems at the International Institute for Industrial Environmental Economics, Lund University. (20%, from 2007-10 50%)

2005-10— 2007-10 Vice President Corporate Development, Talloil AB

2006-01 — 2007-04 Acting Managing Director, Tps–Cp Energi AB

2005-12— 2007-02 Acting Managing Director, Tps Termiska Processer AB

2004-01 — 2005-10 Associate professor International Institute for Industrial Environmental Economics. Lund University. (Ref. professor Thomas B. Johansson +46 733225700, Director)

2002-06–2004-01 Project manager, GMV Göteborg Centre for Environment and Sustainable Development. Chalmers university of Technology and University of Göteborg. (Ref. professor Oliver Lindquist +46 708789354, Dean, and Professor Roland Scholz, ETH, +41 79 4224401)

2001-01–2002-06 President, Ecotrafic Energy Research, Development, Demonstration and Deployment. (Ref. Bengt Sävbark +46 8 6145056, main owner)

1999-09–2000-12 Doctor, Department of Physical Resource Theory, at Chalmers University of Technology. (Part time on leave for other commitments on various boards, see below). (Ref. Karl-Erik Eriksson +46 551123014, professor em.)

1992-09–1999-09 Part-time research assistant, Institute of Physical Resource Theory, Chalmers University of Technology. (Ref. Professor em. Karl-Erik Eriksson +46 551123014)

1996-06–2000-06 Part-time serving as first vice chairman of the Swedish Society for Nature Conservation. (Ref. Bo Thunberg +46 55 431170, then chairman)

1993-09–1999-09 Part time self-employed.

1992-09–1993-09 Senior Consultant, Ecotraffic AB. (50% part time) (Ref. Johan Trouvé tel. +46 70 5534514, then head of department)

1991-01–1992-09 Head of Göteborg office. The Swedish Society for Nature Conservation. (Ref. Anders Wijkman tel. +46 70 6301052, then Secretary General)

1989-11–1992-09 Employed as Energy Policy expert by The Swedish Society for Nature Conservation. (Ref. Anders Wijkman tel. +46 70 6301052, then Secretary General)

1987-09–1988-01 Developed a syllabus for compulsory environmental education at Chalmers University of Technology.

1986-01–1988-02 and 1989-09 – 1989-11 Lecturer and examiner of the course *Natural Resources in the Economy* given for third year M Sc. students at the School of Engineering Physics at Chalmers University of Technology. (Ref. Professor em Karl-Erik Eriksson +46 551123014)

1985-06–1987-12 Developed a course on *Computers and Society* for final year M Sc. students at the School of Computer Science at Chalmers University of Technology. Was in charge of the course and examined the first 3 generations of students. (Ref. Professor em. Tor Kihlman +46 31 7722022)

1983-01–1989-11 Assistant teacher of *Natural Resources in the Economy* as well as of *Energy Physics*. (Ref. Professor em. Karl-Erik Eriksson +46 551123014)

1984-08–1985-05 Served at the Swedish International Development Authority, SIDA, administrating small-scale energy projects in India, Tanzania and Ethiopia. (Ref. Johan Brisman, then head of unit, now at the Swedish Embassy in South-Africa.)

1984-02–1984-06 Founding secretary of the *Centre for Man-Technology-Society* at Chalmers University of Technology. (Ref. Professor em. Tor Kihlman +46 31 7722022, then chairman)

1983-08–1984-01 Developed and managed courses on computer science and environmental studies at Studieförbundet (a peoples education organisation).

1983-06 Worked with the assessment of risks for mistakes at the car assembly line at Volvo. (Ref. Stellan Flodin, Volvo car)

1980-06–1980-08 Ran a grinding machine at SKF's ball bearing factory.

1979-06–1979-07 Programmed and ran a computer in technical field experiments at R&D dept of FFV. (Ref. Nils Haglund, +46 494 24062, than head of department.)

1978-10–1979-06 Served as auxiliary coast-guard in Wales, as member of a cliff-rescue team.

3. Recent international presentations

2017-04-06 Key note presentation at the Nordic Contact Group of Nordic Energy Research. Copenhagen.

2017-04-04 IVA Oslo

- 2017-03-24 Presentation and moderating meeting on the occasion of the visit by Chinas vice minister of Energy
- 2017-03-14 University of Oslo (FNI, NIFU and TIK). Lecture on EU's Bioeconomy Strategy: Conflicts and Prospects ahead. <https://www.fni.no/events/eu-s-bioeconomy-strategy-conflicts-and-prospects-ahead-article1255-795.html?instance=0> , <https://www.fni.no/news/bioenergy-in-europe-green-and-clean-or-dark-and-dirty-article1336-330.html>
- 2017-03-10 Chairman seminar on Business for a 100% Renewable Energy organised by Renewable Energy Institute and CPL, Iino Hall Tokyo.
- 2017-03-09 Chairman of Industrial 100% Renewable Energy Meeting at Apple Headquarters, Roppongi Tower, Tokyo.
- 2017-03-08 Introduction speech, chairing session at ReVision 2017 Tokyo http://www.renewable-ei.org/en/activities/events_20170308.php
- 2017-03-07 Key note lecture at International Experts Meeting, Iino Hall Tokyo.
- 2017-02-22 Panel introduction and moderation at GEIDCO annual conference on the release of latest research findings, Beijing. http://www.geidco.org/sites/xinhuiyi/index_en.html
- 2017-02-08 Final panel at Winterwind Skellefteå <http://winterwind.se>
- 2017-02-07 Key note speech at Winter Wind Skellefteå on behalf of Ren21 <http://winterwind.se>
- 2016-12-08 Japan National Press Club: State of the global Energy transition. Tokyo.
- 2016-11-29 Chatham House Main speaker at evening business event, *What is transforming the Energy Sector*. <https://www.chathamhouse.org/event/what-s-transforming-energy-sector>
- 2016-11-28 Chatham House, speaker at *Energy Transitions 2016*. <https://www.chathamhouse.org/conferences/energy-transitions-2016>
- 2016-11-23 KIC Innoenergy Barcelona Business Booster. <http://tbb.kic-innoenergy.com>
- 2016-10-18—19 Moderator at Building Sustainability Conference Stockholm. <http://buildingsustainability16.com/index.php/program/program>
- 2016-10-07 European energy conference
- 2016-09-20-21 Key note lecture and moderator at Axpo Nordic Forum. <http://www.axpo.com/axpo/no/en/home-axpo-nordic.html>
- 2016-09-09 Introduction lecture moderating and hosting the International conference “Bringing Vast Renewables to Global Interconnection. Tokyo. http://www.renewable-ei.org/en/activities/events_20160909.php
- 2016-08-24 Key note Lecture at the International Association of Energy Economist conference Luleå. <http://www.ltu.se/research/subjects/Nationalekonomi/Konferenser/SAEE2016/Programme/Program-schedule>
- 2016-06-20 Key note lecture at the European Biofuel technology Platform Stakeholder plenary meeting Brussels
- 2016-06-13 Key note lecture at International SENIX conference, Stockholm. <http://www.delegia.com/app/attendee/default.asp?PageId=41701&MenuItemId=37283&ProjectId=7056>
- 2016-05-31 Agder Energikonferansen. Kristiansand. <http://agderenergikonferansen.no/program-det-store-energislaget/>
- 2016-05-25 Session chair and introduction “Market regulations and finance of international transmission lines”, At Asian Expert Conference on Asian Super Grid. Seoul, Korea
- 2016-04-26 Key note Lecture Public Asian Super Grid Workshop, Marriott hotel Seoul, Korea.
- 2016-03-30 Speech at the Founding meeting of GEIDCO Beijing http://www.geidca.com/html/qgnyen/col2015100703/2016-03/02/20160302232024133804450_1.html
- 2016-04-20 Climate Change and the Role of Nuclear. Key note presentation at the Annual Conference of Korea Atomic Industry Forum, Busan, Korea. <http://>

www.kaif.or.kr/eng/?c=news&s=1&bbsid=news1_en&gp=1&gbn=viewok&ix=22463 (plus two panels and a TV interview)

2016-03-21 Presentation at “The US, Japan, and the Future of Renewable Energy”, Sasakawa foundation and the Inouye Asia Pacific Center for Security Studies. <http://spfusa.org/event/u-s-japan-future-renewable-energy/>

2016-03-10 Lecture at “Treasures of the Forests” Nobel Auditorium, Swedish Embassy, Tokyo

2016-03-09 Opening speech at the 2016 ReVision conference, Iino Hall, Tokyo. http://www.jref.or.jp/en/activities/events_20160309.php

2016-03-08 Key-note speech at international expert meeting before 2015 ReVision conference in Tokyo

2016-03-04 Speaker at “The Future of Electric Utilities” Chatham House, Hongkong

2015-03-02 Key-note speech at international expert meeting before 2015 ReVision conference in Tokyo

2015-03-03 Several presentations at 2015 ReVision conference Tokyo

2015-03-04 Discussant at National Press Club of Japan session on Electricity market regulation.

2015-03-11 Presentation at Energy seminar in Atori Fukushima with ex Priminister Kozumi.

2015-03-12 Final speech at the opening of Bioruukki, a new VTT bioenergi research facility in Helsinki

2015-03-20 Panelist at House of Europe Stockholm

2015-03-25 Aachen

2015-03-26 Speaker at German government Energiewende conference in Berlin

2015-03-30 Presentation at Finish Academy symposium

2015-05-13 Japan

2015-05-21 Presentation at Norges Forskningsråd strategy conference

2015-05-22 Presentation at the Norwegian ministry of foreign affairs

2015-08-20 “Fuso talk” TED-talk like inspiration talk for Mitsubishi Fuso Management in Kawasaki.

2015-08-26 Speech at the International Institute of Industrial Environmental Economics 20-year anniversary conference Lund.

2015-09-22 Lecture at Intpow renewable energy conference Oslo.

2015-10-05 Key note Lecture at the South African International Renewable Energy Conference Cape Town, South Africa.

2015-10-30 Invited speaker at Collège de France: Paris 2015 and Beyond.

2015-11-17-18 Key note lecture and moderator at Axpo Nordic Forum Copenhagen

2015-11-23 Key note lecture Swedish Embassy Tokyo

2015-12-13 Lecture Zhejiang University

2014-12-12 Speaker at the 2nd North East Asia Energy Security Forum, Seoul.

2014-12-02 Speaker at Japan National Press Club, Tokyo

2014-11-27 Speaker at the Foreign Correspondents Club Tokyo Energy seminar.

2014-11—19-20 Two contributions at the New York Times conference “Energy for Tomorrow”, Kuala Lumpur Malaysia.

- 2014-11-12—13 Keynote lecture and conference chairman at Axpo European Electricity market conference. Copenhagen.
- 2014-11-10—11 Conference Chairman European City Network conference Stockholm
- 2014-10-30: Presentation of EU perspective of Energy Supply at EU-China Energy Cooperation Roadmap 2020 Joint Expert Meeting, ERI NDRC Beijing
- 2014-10-14-18: Panelist at the conference Europe's Strategic Choices, organized by Chatham House in Berlin
- 2014-09-14 Introduction at European Biofuel Technology Platform Stakeholder Meeting, Brussels
- 2014-09-19 Invited Key-note lecture at the International Association of Energy Economist Asia Conference, Beijing.
- 2014-09-17 Tokyo, Introductory lecture conference on German Energy Transition.
- 2014-06-26 Final lecture at Ulaanbaatar Energy Charter Forum:
Developing Renewable Energy across Gobitec and Asian Super Grid in Northeast Asia. Mongolia
- 2014-06-18 Presentation at Copenhagen international Wind Power Technology Conference.
- 2014-06-05 Closing remarks as Chairman of World Bioenergy in Jönköping
- 2014-06-03 Chairman of the World Bioenergy Conference Jönköping
- 2014-05-28 Media Briefing. Presentation to journalists at World Trade Center, Hamamatsucho, Tokyo
- 2014-05-26—29: 4 presentations to parties in the Japanese Parliament. DPJ, LDP, Your Party and Japan Restoration Party.
- 2014-05-23 Lecture for former Japan prime ministers Koizumi and Hosokawa and their energy councilors, Tokyo.
- 2014-05-15 Key-note Lecture and moderator at Axpo International Energy Market conference, Istanbul, Turkey.
- 2014-05-02 Presentation at the Intergovernmental conference of Clean Energy Ministerial, Seoul, South Korea
- 2014-04-24 Eco-ship project charrette. Introduction final plenary session. Hamburg.
- 2014-04-15 Lecture at the South-African Academy of Science, Pretoria
- 2014-02-25 Introductory speech at the 2014 International ReVision conference in Tokyo.
- 2014-02-13 Lecture at ROAD ERA-net conference in Stockholm
- 2014-02-01 Community Power Conference Fukushima City. Key-Note panelist and later a Presentation on Leadership and Entrepreneurship in Sustainable Energy
- 2014-01-29 European Institute for Japanese Studies Academy Seminars, Alfred Nobel Auditorium, Swedish Embassy, Tokyo, Lecture: Difficult and expensive energy policy problems in Japan.
- 2014-01-22 International Symposium: Roadmap to Asia Super Grid: Opening speech and host.
- 2014-01-21 European Institute for Japanese Studies Academy Seminars, Stockholm Business School Lecture: Difficult and expensive energy policy problems in Japan

4. Publications

Refereed scientific journals:

- 2017 Jorrit Gosens, Tomas Kåberger, Yufei Wang: China's next renewable energy revolution: goals and mechanisms in the 13th Five Year Plan for energy. DOI: 10.1002/ese3.161, <http://onlinelibrary.wiley.com/doi/10.1002/ese3.161/full>. Energy Science and Engineering Vol 5, 3, pp 141–155.
- 2016 Eberhard, A. & Kåberger, T.: Renewable energy auctions in South Africa outshine feed-in tariffs. Energy Science and Engineering 2, <http://onlinelibrary.wiley.com/doi/10.1002/ese3.118/abstract>
- 2016 Kåberger, T.: Combining science and engineering for global health and prosperity. Energy Science and Engineering 2016; 4(1): 3 <http://onlinelibrary.wiley.com/doi/10.1002/ese3.111/epdf>
- 2015 Wagner, Kåberger, Olai, Oppenheimer, Rittenhouse & Sterner: Push Renewables to Spur Carbon Pricing. Nature Vol. 525, pp 27-29.
- 2015 Kåberger T.: Energy Science during industrial transformation. Editorial, Energy Science and Technology Vol. 3 (1) p. 1 <http://onlinelibrary.wiley.com/enhanced/doi/10.1002/ese3.55>
- 2013 Kåberger T.: Discovering new energy solutions. Editorial. Energy Science and Technology Vol.1 (1) p.1 <http://onlinelibrary.wiley.com/store/10.1002/ese3.6/asset/ese36.pdf?v=1&t=hg6ovh71&s=86cf002fe5bd0e25ab3661f34c5adab51adf401a>
- 2007 Kåberger T.: História da energia nuclear sueca. Estudos Avançados Vol. 21 No 59, pp 225-242. <http://www.scielo.br/pdf/ea/v21n59/a17v2159.pdf>
- 2007 Kåberger T.: History of nuclear power in Sweden. Estudos Avançados Vol. 21 No 59, pp 225-242. http://www.scielo.br/pdf/ea/v21n59/en_a17v2159.pdf
- 2007 McCormick, K. and Kåberger, T.: Key barriers for bioenergy in Europe: Economic conditions, know-how and institutional capacity, and supply chain co-ordination. Biomass and Bioenergy Vol 31, pp 443-452.
- 2006 Bomb, C., McCormick, K., Deurwaarder, E. & Kåberger, T.: Markets for Biofuels in Europe: Lessons from Germany and the UK. *Energy Policy* vol. 35, pp. 2256-2267.
- 2006 McCormick, K., Peck, P. & Kåberger, T.: Breaking dependence on oil in Sweden: exploring the implications for biofuels. *Energy for Sustainable Development*. Vol. X, No. 2, pp. 127-128.
- 2005: McCormick, K. and Kåberger, T.: Exploring a pioneering Bioenergy System–The case of Enköping in Sweden. *Journal of Cleaner Production*. Vol. 13, pp. 1003-1014.
- 2004: Kåberger, T., Sterner, T., Zamanian, M. & Jürgensen, A.: Economic Efficiency of Compulsory Green Electricity Quotas in Sweden. *Energy and Environment*, Vol. 15, No.4, pp. 675-697.
- 2002: Kåberger, T. Environmental labelling of electricity delivery contracts in Sweden. *Energy Policy* Vol. 31, pp.633-640.
- 2002: Roth A. & Kåberger, T. Making transport systems sustainable. *Journal of Cleaner Production*. Vol. 10, pp. 361-371.
- 2002: Kåberger, T. Swedish Nuclear Power and Economic Rationalities. *Energy and Environment*. Vol. 13, No.2, pp. 185-200.
- 2001: Berndes, G., Azar, C., Kåberger, T. & Abrahamson, D. *The feasibility of large-scale lignocellulose-based bioenergy production*, Biomass and Bioenergy Vol. 20, pp. 371-383.
- 2001: Kåberger, T. & Månsson, B. Entropy and Economic Processes: Physics' Perspective. *Ecological Economics*, Vol. 36, pp. 165-179.
- 1998: Kåberger, T. & Karlsson, R. Electricity from a competitive market in life-cycle analysis. *Journal of Cleaner Production*, Vol. 6, pp 103-109.
- 1997: Kåberger, T. Bioenergy from forestry in an industrial economy. Comment to paper by Roger Sedjo. *Energy Policy*. Vol. 25, No 6 pp 567-569.

- 1996: Kåberger, T. On the Combined use of Economic and Physical Concepts. *Journal of Interdisciplinary Economics*, Vol. 7, pp 191-203.
- 1996: Gustafsson, E. & Kåberger, T. Energy Use of Personal Rapid Transit – a comparison with car and bus. *Journal of Advanced Transportation*, Vol. 30 No 3. Pp. 5-15
- 1994: Kåberger, T., Holmberg, J. & Wirsenius, S. An environmental tax-shift with indirect desirable effects. *International Journal of Sustainable Development and World Ecology*, Vol. 1, pp. 250-258.
- 1993: Swahn, J. & Kåberger, T. A Modified KASAM principle for Final Disposal of used Nuclear Fuel. En modifiering av KASAM-principen för slutförvar av utbränt kärnbränsle. *Facta & Futura nr 1 1993*. In Swedish.

Other

- 2013 Energy Security and Environment in the Western Balkans, recension, *Nordisk Østforum*, Vol. 27 No 3 pp 298-300. Universitetsforlaget, Oslo.
- 2013 Solar- and vind energy in record increase. *Forskning och Framsteg 2013#1* pp 26-27
- 2013 *Forskning och framsteg 2013#2*

Some published contributions to conferences:

- 2013 Efficient energy for the benefit of present and future generations. Report of Akajima Marine Science Laboratory No 24, pp. 15-19. In Japanese with M. Hachiya.
- 2007 Renewable Energy Investments. Contribution to BCA Research Investment Conference: Reassessing Risks. The Pierre Hotel New York, 2007-10-22—23.
- 2007 Bioenergy developments. International Solar Energy Society 's Solar World Congress, Beijing 2007-09-20—21.
- 2007 Climate and energy. Contribution to the Sino-Swedish Science week, Beijing 2007-09-19
- 2007-09-11 Energikopplade emissionsproblem – Var löses frågan? Bidrag till seminariet Energi mot fattigdom i tredje världen. Report CEC 2007:4. Chalmers EnergiCentrum, Göteborg.
- 2007 Konsekvenser för energisektorn av långvarigt höga oljepriser. Stockholm 2007-01-18 Elforsk rapport 07:20
- 2005 The possible role of hydrogen from woody biomass in a future sustainable transportation system. with Gerfried Jungmeier, Kurt Könighofer, Josef Spitzer, Ewout Deurwaarder, Herman den Uil , Anna Oniszk-Popławska Magdalena Rogulska, Anthony V. Bridgwater
- 2005 Polluter Accountability for Nuclear Power in a New Risk Context, Together with Mikael Karlsson. 7th Nordic Environmental Social Science Research Conference Göteborg Sweden 15-17 June, 2005
- 2005 Actor group evaluation of future scenarios: Identification of misconceptions between stakeholder groups. With Michael Koucky 11th Annual International Sustainable Development Research Conference June 6-8 Helsinki. In preparation
- 2004 Bioenergy and the environment – a view from Sweden. Proceeding of the conference Energy and the Natural Heritage, Pitlochry, Scotland, 2004-11-10—11.
- 2004 Bioenergy use for optimal environmental benefits. Proceeding of the conference “Sawing, boiling or burning how shall we utilise the forest resources” Co-organised by The Royal Academies of Science, of Engineering Sciences and of Forestry and Agriculture. Stockholm 2004-11-09. (In Swedish)
- 2003 Policies to Give Renewable Energy a Fair Position in the Electricity Market. Proceedings of the 1st Asian Pacific Green Power Conference. Tokyo 2003-03-20--21.

- 2003 Switch the light on and see the connection. Proceedings of the 1st Asian Pacific Green Power Conference. Tokyo 2003-03-20--21.
- 2002 Opening address. Proceedings of the First World Conference on Pellets. Stockholm Sweden September 2-4. ISBN 91-631-2833-0
- 2002 Urban Environment. In: Stockholm thirty years on. Progress achieved and challenges ahead in international environmental co-operation. Proceedings from an international conference 17-17 June 2002. pp. 117-118.
- 2002 Sweden – the missed phase-out. Proceedings of the Symposium Nuclear Energy after September 11. Basel, April 25-28. IPPNW Global Health Watch Report No.4.
- 2002 Legislation on economic liability for accidents and back-end costs. Proceedings of workshop Energy Subsidies in the EU. Brussels 2002-01-24.
- 2001 Conclusions. Windpower on Islands. Proceedings of the conference Windpower on Islands. 13-15 september 2001, Visby, Gotland, Sweden. Ed. Tore Wizelius. Pp.24-25
- 2001 *Key issues of energy policy*. Proceedings of the New Energy International Symposium 2001, Taipei 2001-07-15—16. Pp. 79-89.
- 2001 *Environmental labelling of electricity delivery contracts in Sweden*. Green Power: The Challenge to Global Warming in the Era of Deregulated Power Markets. Green Energy Law Network, Tokyo March 17th, p. 22-26. (In Japanese).
- 2001 *Green Power and Sustainable Development*. Key Address to workshop on Development of Green Power Certification Systems, Its' Social Acceptance and International Consistency. Also: *Chairman's conclusions*. Iida, T. Editor. Shinjuku, Tokyo, Japan, March 16th.
- 2001 *Environmental labelling of electricity delivery contracts in Sweden*. Workshop on Development of green power certification. Institute for Sustainable Energy Policies, Tokyo, Japan 2001-03-15. Pp. 1-1-1-1-9.
- 2000 *Workshop conclusions*. Report of the Workshop on Sustainable Energy, Chalmers University of Technology, Göteborg October 18-19 2000, pp.1-4
- 2000 *How can we create an environmentally sound urban transport system*. Report of a Swedish-Asian Forum on the Future of Asia's Urban Environment, Stockholm May 15-17. Ed. Åsa Arvidsson. Ministry of Foreign Affairs, Stockholm.
- 2000 *The Evolution of the global energy market*. Proceedings of the Energy Research Group of Ghana 5th International College on Energy. Kumasi, Ghana April 2.
- 1999 *Consumer Power and Environmental Legislation*. Proceedings of the Sino-Swedish Seminar on the Driving Forces of Environmental Protection in Beijing 1999-09-13—14. (Also available in Chinese translation)
- 1999 *Green Labelling and Its' Market Value*. Proceedings of the Sino-Swedish Seminar on the Driving Forces of Environmental Protection in Beijing 1999-09-13—14. (Also available in Chinese translation)
- 1999 *Environmental labelling of electricity delivery contracts in Sweden*.
- Presentation at the fifth international workshop on Green Power, Tokyo 1999-11-01
- 1999 *Environmental labelling of electricity delivery contracts in Sweden*. Proceedings of the Second Green Electricity Revolution Symposium, Tokyo, Japan October 31. (Also available in Japanese)
- 1999 *Managing spent nuclear fuel: What is the Purpose?* In Kjell Andersson (ed.) "Values in decisions on risk" Proceedings of a conference in Stockholm, 13-17 June 1999, pp. 295-302.
- 1999 *Forest, Energy, Climate*. Introduction of seminar, Edbergseminariet. Karlstad. Can be heard, In Swedish, from <http://www.kunskapsradion.nu/>. Also printed in Karlsson, M. Ed. Skog Energi klimat.
- 1998 *The relevance of physics to energy analysis of economic processes*. Proceedings of "Advances in Energy Studies". Porto Venere, Italy, May 26-30. With Karl-Erik Eriksson.
- 1994 När Demokratins villkor förändras. Vår lösen nr 7/8 p. 582-587, in Swedish.
- 1993 On the Economic Conditions of Suitability Assessments. Presentation at Endlager Hearing, Braunschweig September 21-23. Niedersächsisches Umweltministerium.
- 1993 Managing Spent Nuclear Fuel for a Post-Nuclear Era. Presentation at Endlager Hearing Braunschweig. Together with Johan Swahn. September 21-23. Niedersächsisches Umweltministerium.

- 1992 Economic Liability and Scientific Knowledge. In: Sutter B. ed. Proceedings of The Conference on Nuclear Waste in Perspective of Human Ecology pp. 29-43. Umeå 1992-05-12. ISBN 91-7174-767-2. In Swedish.
- 1991 Energy – Politics or Market? In Lindersson, T. ed. Proceedings of Environment and Economics. Stockholm, November 15 1991. ISBN 91 558 7701 X. In Swedish
- 1991 Environmental costs increase the benefits of energy efficiency. Olerup et. al (eds) Proceedings from hearing in Umeå 1991-10-30. KVM Publication 27, pp 24-26. ISSN 0281 4536. In Swedish.
- 1989 Environmental aspects of bioenergy vs. natural gas. Olerup et.al. (eds) Proceeding of a hearing in Växjö 1989-11-16. KVM publication 22. ISSN0281-4536. In Swedish
- 1988 *Technology, Science and Societal development*. Presented at the conference "Who needs the University?" Gothenburg January 19. Published in Bull, M. (ed.): *Vem behöver universitetet* pp 20-26, RE-VÅST Göteborg 1988. ISSN 1100-1496. In Swedish.
- 1987 *Bringing Society into the Education of Engineers*. Together with Marie Arehag. Proceedings of the conference "Keeping Science Straight", Gothenburg, June 4-6, (ed. A Jamison), ISSN 0348-5560, p 19-29. (May 1988)
- 1986 *Lack of knowledge and Economic Optimisation*. In 1986 Working-paper of the Nordic Summer University, no 26, Ålborg 1986. In Swedish.

Thesis:

1999 Aspects of Energy Resource Management. Ph.D. Thesis. Department of Physical Resource Theory, Chalmers Univ. of Technology / Göteborg University. Göteborg, Sweden.

1991 *Descriptions of Resource Management*. Licentiate Thesis. Chalmers University of Engineering.

1983 *Living Energy and Material Resources in Ecological and Bioeconomic Models*, M. Sc. thesis. Institute Report 1983:3, Physical Resource Theory Group, Chalmers, Göteborg. In Swedish.

Books:

1991 *Act Electricity Efficient*. (Handla el-effektivt) together with Susanne Svensson. Naturskyddsföreningen. ISBN 91 558 7641 2.

Books as editor:

2012 Improved Energy Efficiency in the Swedish Built Environment. (Energieffektivisering av Sveriges Bebyggelse) Royal Academy of Engineering Sciences. With project team of 9 people. ISBN 978-91-7082-859-1. (In Swedish)

2003 Mobility and Sustainable Urban development, Lundby on the Move. Together with Roland Scholz, Michael Koucky and Marie Månsson. (in Swedish)

1991 *Linking the Natural Environment and the Economy: Essays from the Eco-Eco Group*. C. Folke & T. Kåberger (eds.) Klüwer Academic Publishers. ISBN 0-7923-1227-9.

1991 *Chernobyl Today: Health, Economy and the Environment*. Report from an international seminar. In Swedish. Kåberger, Åhlby and Lindskog (eds.) Naturskyddsföreningen Stockholm.

Booklets as editor:

2002 Workbook – Lundby on the move. Göteborg April 2002. With Roland Scholz. ETH, Zürich.

2001 *Strategic Vision on Long Term Climate Policies for the European Energy Sector*. M. Andersson, T. Kåberger, A. Mol & D. Phylipsen (Eds.) NRP, Bilthoven.

2001 Lundby of the move – Göteborg Case Study 2002. With Roland Scholz. ETH, Zürich.

Book chapters:

2015 Model or Muddle? in Jörg Sommer (hg.) *Kursbuch Bürgerbeteiligung* pp. 432-460. Verlag der Deutschen Umweltstiftung, Berlin. ISBN 978-3942466-14-1 [<http://www.kursbuch.info>]

2014 Model or Muddle? Governance and Management of Radioactive Waste in Sweden. With Johan Swahn. In Brunnengräber et al (eds.): *Nuclear Waste Governance - An international Comparison*. Springer, Heidelberg 2015.

2012 When Renewable Energy is Shaping Constructions. (När förnybar energi formar byggandet) in Nå Energi- och klimatmålen 2050 - svårt men inte omöjligt. En antologi om vägval för offentliga fastighetsägare. ed Magnus Kristiansson pp. 13-20, ISBN 978-91-7164-844-0 SKL, Stockholm 2012.

2010 Sweden in a Changing Energy World. (Sverige i en Energi värld i Förändring. In Sverige i ett nytt klimat - våtvarm utmaning pp. 265-282. Birgitta Johansson editor. Formas, ISBN 978-91-540-6040-5 Stockholm 2010

2008 Political Skill necessary for new industry to establish. In *Bioenergy – for what and how much*. FORMAS Stockholm.

2007 Ny storindustri kräver politisk skicklighet I Birgitta Johansson (red) *Bioenergi till vad och hur mycket?* Formas, Stockholm.

2007 *Green Power Markets – Case studies and perspectives*. Ed Lutz Mez. ISBN 0906522. Multi-Science, Brentwood.

2005 *The Swedish Electricity Market*. FORMAS, Stockholm (in print)

1997 *Customers have got power and responsibility in the electricity market . (Nu har kunderna makt och ansvar över elproduktionen)*. In *Grön energi*, Kommunförbundet, Stockholm. ISBN 91-7099-646-6, pp. 53-59. In Swedish.

1995 *Environmental consequences of refined biofuels*. In *Fördomar och fakta om förädlade biobränslen*. SBE, Husqvarna 1995. In Swedish.

1992 *Articles on Energy and The Environmental movement .* In Swedish. In the dictionary *Miljö från A till Ö*. BBB 1992.

1992 *The Political Economy of the Energy System*. In Swedish. In *Solsverige 1993*. Larssons förlag 1992.

1991 *Recent Trends in Linking the Natural Environment and the Economy*. Together with C. Folke. In Folke & Kåberger below.

1991 *Measuring Instrumental Value in Energy Terms*. In Folke & Kåberger, below. pp 61-76.

1989 *Prospects of an Advanced Stone Age*, in Regina Mangio and Ji-Yong Yao (eds.): *Advances in Material Science*, pp 315-323. Göteborg. ISBN 91-7032-425-5.

1995 *Credible decision on the management of spent nuclear fuel – four key issues in the process*. Published in Swedish Government Public Investigation 1995:90, pp. 249-252 (Also published in Swedish)

1988 *Betrayers of the University*. in VEST, journal of Science Studies, no. 7, 1988, p 55. In Swedish.

Other Published reports:

2007 Neij, L. Peck, P. Kåberger, T. Johansson T. B.: *Utbyggd naturgas i Sverige: Hinder för inhemska energislag och klimatmålen?*, Naturvårdsverket Rapport 5701

2006 *Bioenergy in Europe: Opportunities and Barriers*. With Fagernäs, Johansson, Wilén, Sipilä, Mäkinen, Helynen, Daugerty, den Uil, Vehlow & Rogulska. VTT research notes 2352.

2005 *Local Investment Programmes for Sustainable development - A Socioeconomic perspective*. Report 5453. The Swedish Environmental protection Agency. With Anna Jürgenssen. In Swedish.

2003 *Evaluation of the university programmes on Environmental Science, Environmental Engineering and Hygiene at Swedish Universities and University colleges*. The Swedish National Agency for Higher Education. As member of the evaluation team. In Swedish.

2003 *Can the future be influenced? Future images for Energy Europe*. Report from the panel on structural foresight. A report to the energy foresight project of the Royal Swedish Academy of Engineering Sciences. Stockholm, February. As member of the panel. In Swedish.

2003 *Electricity and Heat from Solar Energy – a report within the energy foresight project of the Royal Swedish Academy of Engineering Sciences*. Stockholm, February. As main author, with Björn Andersson and Maria Brogren. In Swedish.

2002 *Multifunctional Bioenergy Plantations*. Report no 37. Environment and Energy System Studies, Lund University. With Pål Börjesson, Göran Berndes and Fredrik Fredriksson. ISBN 91-88360-54-7. In Swedish.

2002 *Nuclear Power Today and Tomorrow - a report within the energy foresight project of the Royal Swedish Academy of Engineering Sciences*. Stockholm, February. As assistant author, with Lars Högberg as main author and Sven Kullander. In Swedish.

2002 *Additional bio-fuels should substitute fossil-based electricity*. Report from the Royal Swedish Academy of Engineering Sciences. Stockholm, March. Available at www.iva.se. In Swedish.

2001 *Comments to the Report by the National Energy Administration on Its' Progress with the Modernisation of the Swedish Energy System, January 1998 – December 2000*. Published as Appendix 2 of the report ER 4:2001. Stockholm. (In Swedish)

1995 *Criteria for environmental labelling of electricity delivery contract*. The Swedish Society for Nature Conservation, Stockholm. (In Swedish and English)

1994 *Energy Efficiency of Personal Rapid Transit – a Comparison with Car and Bus*. VTI meddelande 737 1994, Linköping. With Eva Gustavsson, in Swedish.

1993 *A Critique of the SKB's R&D plan 1992*. (Synpunkter på kunskapsutvecklingen rörande kärnavfallshantering med anledning av "Svensk Kärnbränslehanterings förslag till forsknings- utvecklings- och demonstrationsprogram. Institute of Physical Resource Theory report 1993:1. with Johan Swahn. In Swedish.

1988 *Production, Consumption and Growth Concepts in Ecology and Economics*. report 88-6, Physical Resource Theory Group Chalmers Univ. of Tech.

1984 *Flow-based Measures of System Evolution*. Together with Karl-Erik Eriksson. Institute Report 1984:6.

1982 *Energy price and exergy content*. Chalmers Univ. of Tech. Engineering Physics Program publication 1981--82/3. with Liljestam, Blomgren and Wahnström. In Swedish.

Contributions to textbooks for university courses:

1999 (new edition 2000, 2004) Chapter on *Hydropower*. In Lundin, H.-C. ed.: *Water in Society*. Baltic University, Uppsala. With Brinkman, I., Malmquist, Y., & Rydén, L.

1996 Two chapters, one on *Solar heating and heat storage* and the other on *Solar electricity* in Salay, J. (editor) *Energy - From fossil fuels to sustainable energy resources*. Baltic University Programme, University of Uppsala, ISBN 91-7005-125-9.

1986 Chapter on *Economic theory of non-renewable resources* in *Kompendium i Naturresurser och samhälle*, Göteborg 1986, in Swedish.

1984 Three chapters, first on *Ecology*, second on *Material flows on the Surface of the Earth* and a third on *Bioeconomics* in *Kompendium i Naturresurser och samhälle*, Göteborg 1984. In Swedish.

5. Recent Positions of Public Leadership

Annual general meetings:

2016-12-13 Chairman of the shareholders meeting of Innoventum AB, Malmö.

2016-06-18–19 Chairman of the Annual General Meeting of the Swedish Society for Nature Conservation (Naturskyddsföreningen)

2014-06-14–15 Chairman of the Annual General Meeting of the Swedish Society for Nature Conservation (Naturskyddsföreningen)

2012-06-16–17 Chairman of the Annual General Meeting of the Swedish Society for Nature Conservation (Naturskyddsföreningen)

2007-03-06 Chairman of the annual shareholders meeting of the Svensk Bioenergi Service AB, Stockholm. Ref. Kent Nyström, +46 8-4417081.

2004-06-19—20 Elected chairman of the annual general meeting of the Swedish Society for Nature Conservation. (Ref. Mikael Karlsson +46 70 3162722, chairman of the board)

2005-05-24 Chairman of the annual shareholders meeting of the Svensk Bioenergi Service AB, Stockholm. Ref. Kent Nyström, +46 8-4417081.

2002-06-17—18 Elected co-chairman of the annual general meeting of the Swedish Society for Nature Conservation. (Ref. Mikael Karlsson +46 70 3162722, chairman of the board)

2002-04-22 Invited chairman at the annual general meeting of Beryllen Economic federation of building owners, Göteborg, Sweden. (Ref. Inga-Lill Jonasson tel. +46 31 185974, chairman of the board)

2002-04-10 Chairman of the annual shareholders meeting of the Svensk Bioenergi Service AB, Göteborg. Ref. Kent Nyström, 08-4417081.

2001-02-24 Chairman of the annual shareholders meeting of Eolus Vind AB, Öckerö, Sweden. (Ref. Bengt Simmingsköld, 0708 668387, managing director)

2000-05-26 Chairman of the annual shareholders meeting of tps termiska processer AB, Studsvik, Sweden. (Ref. Henrik Lundberg 070 5360530, main owner)

2000-05-27 Chairman of the Annual general meeting of Coalition Clean Baltic, St Petersburg, Russia. (Ref. Björn Gutestam tel. 0156 16123, chairman of the board)

Conferences & meetings:

2016-10-18—19 Chairman of the international conference Building Sustainability, Stockholm Waterfront.

2016-09-09 Chairman of the International Renewable Energy conference, Tokyo. http://www.renewable-ei.org/en/activities/events_20160909.php

2016-09-08 Chairman of the international conferences on Global Energy Interconnectors, Tokyo. http://www.renewable-ei.org/en/activities/events_20160908.php

2012-10-18--19 Chairman of the international conference Building Sustainability, Kistamässan Stockholm. <http://www.buildingsustainabilitysweden.se>

2012-05-29--31 Chairman of World Bioenergy in Jönköping.

2007-09-20—21 Chairman of several sessions at the International Solar Energy Society's Solar World Congress, Beijing.

2007-06-11—13 Chariman of Nordic Bioenergy 2007, Stockholm Sweden. (Ref Kent Nyström +46 8-4417081 organizer)

2007-05-30—31 Polish-Swedish Bioenergy Conference. Ministry of Economy Warzaw.

2007-05-23-24 Chairman of the conference Synbios II on the introduction of Second Generation biofuels for Transport. www.ecotraffic.se/SYNBIOSII/index.htm

2007-02-08 Chairman of the seminar "International Competition..." at Energysession 2007, Borås. Ref. Maria Strömberg +46 (0)31-612373

2007-02-08 Chairman of the session on "Gender in the energy industry" Energysession 2007, Borås. Ref Erik André, tel +46 (0)704 132 848

2007-01-23 Chairman at the OECD workshop on Bioenergy Policy organized in Umeå, Sweden. Ref. Martin von Lampe +33-(0)1-45.24.96.94, OECD organizer.

2006-06-19 Chairman of the seminar "Energy, Waste Management and their Impact on Climate Change" at UN World Urban Forum, Vancouver, Canada. (Ref. Gunnel Horm +46 708191644, organizer)

2006-05-30—06-01 Chairman of World Bioenergy 2006, Jönköping Sweden. (Ref. Kent Nyström, +46 8-4417081.)

2006-05-29 Chairman of the Intenation Chrisgas seminar, Växjö, Sweden.

2005-05-18—19 Chairman of the international conference Symbios 2nd generation automotive biofuels, Stockholm. (Ref Stefan Jönsson +46 8-440 40 52)

2004-11-25 Moderator of a seminar on Energy efficiency in industry. Norrköping. (Ref Fredrik Skott +46 11-151501)

2004-11-24 Chairman of the conference The Climate and the Automobile (Bilen och klimatet) (Ref Bengt Sävbark +46 8-6145056)

2004-11-23 Moderator of the conference Climate Policy in Practice. (Klimatpolitik i praktiken) (Ref Rolf Wolff +46 31-7735521)

2004-11-15 Chairman of the Annual bioenergy meeting. (Årets bioenergidagar) Stockholm. (Ref. Kent Nyström 08 4417081)

2004-06-02—04 Chairman of the World Bioenergy Conference and Exhibition - Taking you from know how to show how. Jönköping Sweden. (Ref. Kent Nyström +46 8 4417081)

2004-05-27—28 Chairman of hydropower seminar organised på Chalmers University of Technology, Vattenfall, Fortum and Statkraft. Göteborg.

2003-11-26 Chairman of the Nordic Conference on Particles and Health. Stockholm. (Ref Bengt Sävbark +46 8-614 5056)

2003-10-08 Chairman of the conference on Sustainable energy in the Uppsala Region organised by the County Council. (ref Göran Ahlbjär +46 18-195234 chief organiser)

2003-09-08 Chairman of the Conference Biofuels for the European Transport Sector. Göteborg (ref Per Carstedt +46 705521505 chief organiser)

2003-01-22 Chairman of the Nordic seminar on Automotive Biofuels via Gasification, organised by the National Road Administration, The National Energy Administration, The University College of Trollhättan-Uddevalla and Trollhättan Energy. In Trollhättan. (Ref. Claes Fredriksson +46 520-475000, conference organiser)

2002-11-04—05 Chairman of the annual bioenergy conference of the Swedish Bioenergy Association, Skellefteå. (Ref. Karin Haara +46 8-4417084, conference organiser)

2002-09-19 Moderator of the seminar "RENEWA - Renewable Energy from Waste, through gasification or incineration for heat, power and fuel production. Stockholm. (Ref Henrik Boding, 08-614 project manager)

2002-09-17 Chairman of the Energy conference of the Swedish Society of Engineers Civilingenjörnförbundet. Stockholm. (Ref. Johan Sittenfeld 08-6138000)

2002-09-02 Chairman of first Global Pellets Conference. Stockholm. (Ref Kent Nyström 08-4417081)

2001-11-20—21 Chairman of CKU conference on waste management. (Ref. Anna Lundeqvist 0855540315)

2001-06-28—29 Invited Chairman of two sessions on energy and transport at the international conference on Sustainable Development – Forum for partnership, in Malmö. (Ref. Birgitta Sandström Lagercrantz, tel.070 341 01 53, organiser)

2001-05-07—08 Chairman of the two-day conference on future waste management, CKU Stockholm. (Ref. Anna Lundeqvist 0855540315)

2001-03-20 Invited chairman for the conference "Växthuseffekten och transportbranschen - mätning av transporters miljöpåverkan", Göteborg. (Ref. Anders Karlsson, organiser, tel. 070 5802749.)

2000-05-17 Moderator at urban transport seminar at the Asian forum organised by the Swedish ministry of foreign affairs and the Export council. Stockholm, Sweden. (Ref. Kenneth Bertilsson, ministry of foreign affairs 08 4053136, organiser)

2000-05-11 Moderator at the national seminar on solar photo voltaic technology, house of parliament, Stockholm, Sweden. (Ref. Lennart Malmquist, Program director tel. 070 8872723)

2000-04-06—07 Invited chairman of the European stakeholder group on energy, within the COOL-project. Brussels, Belgium. (see further: <http://www.wau.nl/cool/>, Ref.: Bert Metz, +31 30 274399, Acting Cool Project leader)

2000-03-14—15 Invited chairman at the national conference "Energitinget", Eskilstuna, Sweden. (Ref. Anna Lundborg of the National Energy Administration responsible for organising the seminar 016 544-2110)

2000-03-07 and 2000-07-03 Invited chairman of the Nordic stakeholder group on motor alcohols. Part of an EU-sponsored project under the managed by the Western Norway Research Institute. (Ref. Karl Georg Hayer +47 57 67 61 63)

6. Government and Intergovernmental Committees

2015 Provided report on Energy sector developments for the Swedish Government committee Miljömålsberedningen.

2013 Commissioned to develop policy instruments for the industrialisation of second generation biofuels for transport under the Swedish Government public investigation on a fossil independent vehicle fleet.

2013-04–2013-12 Appointed to the policy instrument sub-committee of the Swedish Government public investigation on a fossil independent vehicle fleet.

2012 vice chairman of the International Renewable Energy Agency Council, Abu Dhabi.

2010-2013 Head of the Swedish delegation to the International Renewable Energy Agency, Abu Dhabi.

2010-2011 Member of China Council on International Cooperation on Environment and Development task-force on China's Low Carbon Industrialization Strategy. (Ref Dr Feng Fei DRC)

2008-2009 Member of China Council on International Cooperation on Environment and Development task-force on a Low-Carbon Economy. (Ref Dr Feng Fei DRC)

2008-2009 Member of the Swedish National Defence Leaders Group (Totalförsvarets chefsgrupp) ref Håkan Syrén, Commander in Chief.

2008-2010 Member of the national council for official statistics. (Ref Stefan Lundgren chairman)

2008-2010 Appointed by the Swedish Government as member of the Environmental target Council. (Miljömålsrådet)

2006—2007 Appointed by the European Commission to serve on a Working Group on Biofuel Markets.

1997 Appointed by the Swedish government as expert in the public investigation on the environmental consequences of the enlargement of the European Union. Published as SOU 1997:149. (Ref.: Rolf Anneberg, now head of cabinet, Directorate of Environment, EU commission, then government investigator 070 xxxxxxx)

1994—1995 Appointed by the Swedish government to serve as member of the Energy Commission. Published as SOU 1995:15, SOU 1995:139 and SOU 1995:140. (Ref. retired director of the Göteborg Energy Company Bengt Söderström +46 70 7523826, then expert within the commission)

1993—1994 Appointed by the Swedish government to serve as expert in government public investigation on issues related to the financing of nuclear waste management. Published as SOU 1994:107/108. (Ref: Olof Söderberg +46 8-4451000, then government investigator)

1992—1993 Appointed as expert in the government public investigation on the Compulsory Environmental Damage Insurance and Public Costs of Decontamination. Published as SOU 1992:135 and SOU 1993:78) (Ref. Rolf Strömberg +46 8-6135500, then government investigator)

1992 Appointed as secretary for the Energy policy part of the government conference on Our Task After Rio. Published as SOU 1992:104. (Ref.: Professor Thomas B. Johansson, now UNDP, then chairman of the energy group)

1991—1992 Appointed by the Bio-energy commission of the Swedish government as expert in the reference group of the research project of social costs of energy. (Ref.: Professor Thomas Sterner +46 31 7731377, then reporting to the group)

1991–1992 Appointed by the Bio-energy commission of the Swedish government on the reference group of the research project of Environmental and health consequences of bio-energy.

7. Academic Evaluation Experience

Evaluations of candidates for Professorships

2016 Evaluations of professors at IIIIEE Lund University.

2016 Evaluation of Maria Brogren as Adjunct Professor Uppsala University.

2015 Evaluator for the promotion of Louise Trygg to professor of *Energy Systems* at the Department of Economic and Industrial Development at Linköping University.

2014 Member of evaluation group for *Professor in Energy Planning with Special Responsibilities in the integration of Renewable Energy* at Faculty of Engineering and Science at Aalborg University.

Decisions on research funding

2008-2011 Member of the board of Strategic Vehicle Research and Innovation – a partnership between the Swedish Government and the Automotive Industry.

2008-2011 Member of the board of the Nordic Excellence in Research Programme (Toppforsknings-initiativet)

2008-2011 Chairman of the National Energy Research and Development Board.

2008-2010 Chairman of the board of Nordic Energy Perspectives, a research project financed and executed in the different Nordic countries.

2007- 2008 Appointed by the director general of the Swedish Energy Agency to serve on Program council for sustainable supply and refining of biofuels.

2006 Appointed onto a Scrutiny Committee on research grant applications on transport and energy set up by the Swedish Environmental Protection Agency. Ref Kristina Feldhusen tel +46(0)869812 71

2004–2008 Appointed to the Research Council of Göteborg Energy Ltd Foundation for research and development in the energy sector. (Ref. Ingemar Andersson +46 31626011, Director of research and development)

General evaluations

2010 Chairman of international team of evaluators evaluating the science departments of Halmstad University. (Ref. Thorstein Rögvalsson Chairman of the Research Board for Engineering and Natural Sciences, +46 73-312 12 84)

2004 Appointed by Mid-Sweden University on a committee to evaluate and develop the Eco-technology programme. (Ref. Professor Leif Gustavsson +46 703447030)

2004 Appointed by Kristianstad University College to evaluate an application for rights to award M. Sc. degrees in Environmental Science. (Ref. Ingemar Holgersson +46 44203438, Chairman)

2002–2003 Appointed by the Swedish National Agency for Higher Education on a committee for evaluation of all graduate and post graduate education- and training-programmes in Environmental Sciences in Sweden.
(Ref. Maud Quist +46 8-56308812)

1981–1982 Chairman of the students *Education Monitoring Board* (Studienämnden) at the Engineering Physics program, at Chalmers University of Technology.

Review board

2007-09 Appointed by Mid-Sweden University to review applicants for the position as lecturer in environmental science.

Appointments as opponent/discussant at dissertations

2016-03-14 Examiner and Chairman at the dissertation of Oskar Englund at Chalmers University of Technology

2016-02-23 Opponent at the dissertation of Itai Danielski at Mid Sweden University. ref Hans-Erik Nilsson Head of Science Faculty.

2015-04-21 Opponent at the dissertation for the degree of PhD of Henrique Pacini at KTH. ref professor Semida Silveira.

2013-10-11 Opponent at the seminar for degree of licentiate of science for Tore Wizelius at Lund University. Reference professor Pål Börjesson.

2007-04-23 Opponent at the seminar for the degree of licentiate of engineering for Julia Hansson at Chalmers University of Technology, Department of Energy and Environment. Ref professor Anne-Marie Tillman, 031 7721000.

2006-12-15 Opponent at the dissertation for a PhD of Niclas Svensson at the department of Environmental Technology and Management, Linköping University. (Ref. Mats Eklund +46 70 282307)

2005 (2005-03-21) Hans Hellsmark, dissertation for the degree licentiate of science, department of industrial dynamics. School of Economics and Commercial Law (Ref. Professor Rolf Wolff +46 31-773 552 31)

2004 Carina Rehnström, dissertation for the degree of licentiate of engineering. (Ref. Professor Bengt Månsson +46 54 7002152)

2001 Petra Rohdin Eriksson, dissertation for the degree of licentiate of engineering. Chalmers University of Technology (Ref. Professor Elsa Rosenblad +46 31 7711102)

1992 Maria Andersson Energy Systems, dissertation for licentiate degree, Linköping. (Ref. Professor Björn Karlsson +46 13 281180)

Academic evaluation committees

2017-05-29 Chairman of the Evaluation Committee for the dissertation of Annelie Salvfors, Division of Design & Human Factors, Chalmers Univ of Technology

2016-11-01 Member of the Evaluation Committee for the dissertation of Søren Djørup at Faculty of Engineering and Science, Aalborg University.

2016-04-08 Member of the evaluation committee for the dissertation of Disa Thuresson at the Business School of the University of Örebro, Sweden.

2015-10-09 Member of the evaluation committee for the dissertation by Shuta Furuya for PhD at Aalborg University, Denmark.

2014-09-04 Substitute member of the evaluation committee at the dissertation for PhD of Kersti Karltop, Department of Energy and Environment at Chalmers University of Technology.

2014-05-09 Appointed member, and elected chairman, of the evaluation committee at the dissertation for Ph.D. degree of Lisa Göransson at the Department of Energy and Environment at Chalmers University of Technology. Ref Professor Filip Johnsson +46 31 7721000)

2011-01-10 Appointed member of the evaluation committee at the dissertation for Ph.D. degree of Hans Hellsmark at the Department of Energy and Environment at Chalmers University of Technology. Ref Professor Staffan Jacobsson +46 31 7721000)

2008-12-12 Appointed to be member of the evaluation committee at the dissertation for Ph.D. degree of Rafael Waters at the faculty of technology and natural sciences at Uppsala University. (Ref Professor Mats Leijon +46-704250665)

2006-03-03 Appointed to be member of the evaluation committee at the dissertation for Ph.D. degree of Peter Hagström at the faculty of natural resources and agricultural sciences at the Swedish University of Agriculture, Uppsala. (Ref Ass Prof Bengt Hillring)

2005-12-09 Appointed to be member of the evaluation committee at the dissertation for Ph.D. degree of Per Knutsson at the department of Human Ecology at Göteborg University. (Ref professor Hans Egneus tel +46 31 7731312)

2000-10-13 Appointed to be member of the evaluation committee at the dissertation of Johanna Björklund at the department of crop production science at the Swedish University of Agriculture, Uppsala. (Ref. Professor Lennart Salomonsson tel. +46 18 671441)

1999-12-17 Member of the evaluation committee at the dissertation for Ph. D. degree of Göran Forsberg at the Department of Forest Management and Products at the Swedish University of Agriculture, Uppsala. (Ref.: Professor Göran Lönner, tel. +46 18-67 12 94)

Managing Scientific journals

2015— Member of the Editorial Board of Global Challenges. [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)2056-6646](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)2056-6646)

2012-09 — Editor in Chief of Energy Science and Engineering. Wiley & Sons, Ltd. [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)2050-0505](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)2050-0505)

Experience of evaluating articles for scientific journals
Ecological Economics during approximately five years, reviewing approximately 10 articles.
 Energy Policy, Ref Nicky France, energypolicy@orange.fr
Environmental Science and Technology, (Ref Mitchell J. Small, +1 412 268-8697, Associate editor),
Environmental Management (Ref Virginia H. Dale, Editor in Chief, email: dalevh@ornl.gov)
 International Journal of Energy Technology Policy (ref. Barbara Curran, Editor, e-mail: bcurran@ielan.com).

8. Academic supervision

M. Sc. Thesis supervision

Several thesis projects, some examples:

2014 Tyra von Sydow: Wave energy
 2012 Greg Rock: Energy Metrics
 2004 Oleksander Khokhotva: Optimal Use of Bioenergy in Europe
 2004 Margrethe Forssman: Pulling forest industry to profitable investments – an evaluation of local investment program subsidies
 1994 Henrik Gralén. Production and large-scale storage of hydrogen gas with a view of catastrophe scenarios
 1991 Ylva Jading & Ola Jonsson: Solar Water Heating. A Minor Field Study in Tabora Region, Tanzania.
 1988 Carina Bergsten. The potential of using waste heat to increase electricity production at reactor II at Forsmark nuclear power plant.

Ph. D. student supervision:

2014— Appointed Examiner of PhD student Stefan Åström
 2012 — 2016 Examiner of PhD student Oskar Englund at Chalmers University of Technology.
 2013 Course on PhD supervision at Chalmers University of Technology
 2008 Assistant supervisor to Ann-Sofie Kall, Linköping University Department of Thematic Studies; Technology and Social Change, who successfully defended her thesis on March 12, 2011.
 2005 Appointed assistant supervisor of Magdalena Lundh, at Ångström laboratory at Uppsala University. She reached her Licentiate degree 2007, and successfully defended her thesis June 5, 2009 (Ref professor Ewa Wäckelgård +46 18 4711081, supervisor)
 2004 Passed a course of PhD-supervision organised by Lund University.
 2004—2007 Appointed assistant supervisor of Kes McCormick-Brennan at IIEE, who successfully defended his thesis September 17 2007. (Ref Professor Thomas B. Johansson +46 46 2220222, supervisor)
 2000–? appointed co-supervisor of Petra Rohdin at department of Man-Technology. (Ref. Docent MariAnne Karlsson +46 31 7721108, supervisor)

9. Boards

Intergovernmental organisations

2012 As head of the Swedish delegation, vice Chairman of the International Renewable Energy Agency Council (in Abu Dhabi)
 2011-2013 Head of the Swedish Delegation to the International Renewable Energy Agency Council (in Abu Dhabi)

Other International Organisations

2012— Member of the REN21 Steering Committee

2014-01 — 2016-06 Chairman of the Steering Committee of the European Biofuels Technology Platform, Brussels.

2013— 2015 Member of the international Advisory committee of South-African International Renewable Energy Conference, 2015.

2010–2011 Chairman of the European Energy Network, the federation of European Energy Agencies.

2006–2008 Member of the International Solar Energy Society's Industrial Council.

2006–2008 Member of the European Renewable Energy Federation council. (Ref. Dörte Fouquet +32 474978710)

1993–2000 Elected member of the Executive Committee of the European Environmental Bureau, an umbrella organisation of European Environmental and Nature Conservation organisations.

Government Agencies

2016 — Vice Chairman of the Board och the National Swedish Forest Agency

Boards of Academic bodies

2016 — Member of the Scientific Advisory Board of Vaasa University, Finland.

2014 — 2017 Elected Chairman of the Faculty Assembly at the department of Energy and Environment at Chalmers University of Technology.

2015 — 2016 Member of the Board of the Swedish Wind Power Technology Center — A Private-Public R&D organisation.

2011 – 2015 Member of the Advisory Board of the Management Engineering Department at the Danish University of Technology.

2011 – 2012 Member of the Council of the Global Energy Assessment. IIASA, Austria.

2011 – 2012 Member of the board of governors for the Oxford Institute of Energy Studies.

2010 – 2011 Member of the Council of the International research project Global Energy Assessment, based at the International Institute of Applied systems Analysis in Vienna. (Ref. Thomas B Johansson)

1997–2008 Member of the program board of Energy Systems – a National Program of Research and Graduate Study, a program funded by the Swedish Foundation for Strategic Research, and the National Energy Administration.

1987 – 1990 Founding board member of the Centre for Science Studies in Gothenburg, at University of Gothenburg and Chalmers University of Technology. (Ref.: Ass. Professor Stellan Welin Centre of Ethics in Science +46 31 7731000)

1985 – 1990 On the Board of the *Centre for Environmental Studies in Göteborg*. The body within the universities responsible for courses on environmental science.

1985 – 1991 Member of the *Eko-Eko* (Ecology-Economics) group at Stockholm University and Stockholm School of Economics. (Ref.: Professor Carl Folke)

1984-02 – 1984-06 Founding secretary of the *Centre for Man-Technology-Society* at Chalmers University of Technology. (Ref.: Professor em. Tor Kihlman +46 31 7722022, Chairman)

1980 – 1982 Student representative on the board of the Engineering Physics program at Chalmers Univ. of Tech. Vice chairman 1982. (Ref.: Prof Sture Holm +46 31 7731000, Chairman)

Limited Liability Companies

2015-04 — Member of the Board of Directors of Vattenfall AB.

2013-04 — Member of the board of Sustainable Energy Angels AB, a seed finance company of power sector veterans.

2012-03 — Chairman of the board of Tanke och möda AB. Tomas Kåberger's private company.

2016-08 — 2017-04 Member of the Board of Directors of InnoVentum AB

2012-06 — 2016-06 Member of the board of Cleanergy AB, a company providing solar electricity via stirling engines. ref Bo Dankis, chairman bo@dankis.se.

2007 — 2008 Member of the board of Växjö Värnamo Biomass Gasification Centre AB, VVBGC AB.

2002 – 2008 Chairman of the board of Swedish Bio-energy Association Service Ltd (Svensk bioenergi service AB).

1996 – 2009 Appointed to the board of the Gothenburg Energy Eco-fund. (Ref. Bertil Wiktoren +46 705696003, dept. managing director)

2006-05 – 2007 Chairman of the board of VTS AB.

2000-01 – 2005-06, 2005-12 – 2007 Member of the Board of TPS, Termiska Processer AB, a private company developing gasification and combustion technologies for the energy sector. (Ref.: Henrik Lundberg +46 70 5360530, main owner)

1991 – 2002 Member of the board of Swedish Bio-energy Association Service Ltd, (substitute) (Ref.: Kent Nyström, +46 8 4417081 Executive)

2004-01 — 2004-11 Chairman of the board of Vindenergi Väst AB, a Ltd building and owning wind-power plants in western Sweden.

2002-12 – 2004-02 Member of the board of Green Market Sweden AB.

2000 – 2004-11 President of the board of Ecotraffic Energy Research Development, Demonstration and Deployment AB

1998-08 – 2001-05 Member of the board of Naturskyddsföreningens förlags AB, a publisher. Ref.: Dr Kåre Olsson, +46 70 6905580, Chairman)

1994 – 1996-11 Member of the board of Grön Tillväxt AB.

Foundations

2011 — Chairman of the Executive Board of Japan Renewable Energy Foundation. From 2016 called Renewable Energy Institute in English.

2011 — 2016 Member of the Board of Directors of Industrifonden, a Swedish fund, initiated by the government, investing in Swedish Growth Companies

2011-2015 Member of the board of FORES foundation, a private Think-Tank.

Awarding bodies

2015- Member of the Jury of the Gothenburg Environmental Award

2012 – 2016 Chairman of the jury for the Swedish Grand Energy Prize, from 2013 “the Hugo prize”, (<http://www.sweco.se/storaenergipriset>). (<http://www.sweco.se/sv/Sweden/Om-Sweco/Priser-stipendier-och-sponsring/Swecos-Hugoprjs/Juryn/>)

2011- 2015 Member of the jury of the Green Innovation Contest, (<http://greeninnovationcontest.se>).

2010-2015 Member of the jury for the Swedish Grand Energy Prize, (<http://www.sweco.se/storaenergipriset>).

Civil organisations

2014–2016 Chairman of the Steering Committee of the European Biofuels Technology Platform.

2012– 2014 Chairman of the Swedish Renewable Energy Council (Förnybarhetsrådet) a co-operation between the Swedish trade organisations in bio-, solar-, and wind-energy as well as energy efficiency.

2010– 2011 Chairman of the European Energy Network, the federation of European Energy Agencies.

2008-2010 Chairman of the board of Bohus-Malmöns Båt Klubb, a sailing club.

2007–2008 Chairman of the organising committee of the 2008 Swedish Sailing Championships for the Triss-class.

2007– 2008 Member of the board of the Swedish Solar Energy Society

2006–2008 Member of the International Solar Energy Society's Industrial Council.

2006–2008 Member of the European Renewable Energy Federation council.

2002–2008 Chairman of the board of Svebio, the Swedish Bio-Energy Association.

1990–2008 Member of the board of the Swedish Bio-energy Association

2004– 2006 Chairman of the board of Bohus-Malmöns Båt Klubb, a sailing club.

2001–2004 Treasurer of Bohus-Malmöns Båt Klubb, a sailing club.

1999–2002 Chairman of the board of the Swedish federation of green motorists.

1995–2002 Member of the board of the Swedish federation of green motorists.

1993–2000 Elected member of the Executive Committee of the European Environmental Bureau, an umbrella organisation of European Environmental and Nature Conservation organisations.

1996–2000 First, vice chairman of the Swedish Society for Nature Conservation.

1995–2000 Member of the board of the Swedish Society for Nature Conservation.

1993–1994 Member of the board of the Swedish Society for Nature Conservation.

1988–1989 Chairman of the Gothenburg section of the Swedish Society for Nature Conservation

1986–1989 Board member of the Centre for Ecological Technology.

1984–1987 Chairman of United World Colleges Network, Sweden.

10. Some recent awards

2013 Awarded the Energy and Environment Prize by the Swedish Renewable Energies Association (www.sero.se).

2013 Honorary member of the Swedish Bioenergy Association. (www.svebio.se)

2004 Entitled *Energy Adviser of the Year* by the Swedish Association of energy Advisers (Energirådgivarna, www.energiradgivarna.com)

11. Memberships

Some elected memberships

2001– Elected member of the Swedish Royal Academy of Engineering Sciences.

1991– Elected member of the Swedish Society of Energy Economists.

2010–2011 Elected member of the Oxford Energy Policy Club

2006– 2008 Elected member of the European Renewable Energy Federation Industrial Council

1996–2008 Elected member of the Swedish Vehicular Engineering Association.

2006– 2008 Elected member of the International Solar Energy Society Industrial Council

2000–2002 Elected member of the Swedish National Committee of the International Water Association. (Ref. Roger Bergström executive director VAV, +46 86772870)

Some other memberships:

1987– Member of the *International Solar Energy Society*.

1987– 2000 Member of the *European Association of Environmental and Resource Economics*.

1987–2000 Member of the *International Society for Ecological Economics*.

1991–1998 Member of *Gothenburg Centre for Environmental Economics*.

1983–1991 Member of *Centre for Interdisciplinary Studies of the Human Conditions* at University of Göteborg and Chalmers University of Technology.

Some reference groups

2007 Appointed onto the working group on markets of the Biofuels Technology platform. Ref Jaques Blonde, chairman.

2006-2007 Member of the Environmental Committee of “Swedish Aviation”, the Aviation Industry organisation. Ref Peter Puusep, secretary general 070-233 07 91.

2004 Appointed by the chancellor of Mid-Sweden University to a group supervising the development of M.Sc.- and B.Sc.-programs in Eco-technology. Ref. Professor Leif Gustavsson +46 70 3447030)

2002 Appointed by the Royal Academy of Engineering Sciences to the panel of the structure of future energy markets as part of The IVA Energy future study.

2002 Appointed by the Royal Academy of Engineering Sciences as one of three experts on the future of nuclear energy.

2002 Appointed by the Royal Academy of Engineering Sciences as lead expert on the future of solar energy.

2000 Appointed by the Royal Academy of Engineering Sciences to the steering committee of a project entitled: “What is the best use of biofuels from forests? A study of environmental and economic impacts of different alternatives”. Ref.: Göran Persson

1999, 2002 Member of a Shell International panel on oil shale extraction in Canada.

1999–2000 Member of a dialogue group with ABB and environmental organisations discussing common interests and the transformation of ABB. Ref. Bo Normark president ABB Power Systems tel. +46 706088020.

1996– Member of the editorial council of the business journal *Kraftjournalen*, Ref.:

1990–1992 On the *Scientific Panel for environmental labelling* of household appliances set up by the Swedish government.

1989–1990 On the *Scientific Panel on environmental effects of consumer choices* set up by the *Swedish Society for the Conservation of Nature*.

1987–1990 Member of the *reference group on environmental effects of consumer choices* established by the city administration in Gothenburg.

12. Some smaller, but qualified, projects during recent years:

2015 Commissioned to write a report on energy related opportunities for the Swedish Government Commission on Environmental Targets.

2013 Commissioned by the government principal investigator to prepare regulation for the introduction of second generation biofuels as part of the strategy for a vehicle sector without fossil fuels by 2030-

2001–2002 Co-chair of the Göteborg Case-Study: “Lundby on the Move”. A transdisciplinary educational project. (Ref. Professor Roland Scholz, ETH, +41 79 4224401)

1999, April 28th – May 4th. Taught at the Ghana regional school on mathematics in Economics, At Ghana Atomic Energy Commission. Ref. Professor Francis Allotey, Chairman of the Commission, +233 21 001248, or Professor Karl-Erik Eriksson 031 7723146.

1999 Served as adviser to the Lithuanian ministry of environmental affairs on economic policy instruments in the energy sector. Ref.:

1999 Wrote a report on policy instruments to make the energy sector more sustainable. On behalf of a coalition of the Swedish federation of power producers, the Swedish federation of district heating suppliers, the Swedish energy authority and the Swedish Environmental Protection Agency.(Ref.: Gunnar Hovsenius, Elforsk 08-6672530)

1998 Wrote a report on strategic issues in the planning of a new major airport in the Stockholm region. On behalf of the Swedish Aviation Authority (Ref.:

1998 Wrote a report on strategic issues in the energy chapter of the local Agenda 21, on behalf of municipal council of Lund.

1997 Wrote a report on energy policy instrument on behalf of the Nordic Council of Parliamentarians.

1995 Wrote the criteria for environmental labelling of electricity delivery contracts, on behalf of the Swedish Society for Nature Conservation.

1994 Wrote a report on key issues in assessing the total cost of nuclear electricity. On behalf of the Swedish government committee on nuclear costs and the financing of waste management.

1993 Provided an assessment of the market potential for environmentally advanced air-port buses in Stockholm. On behalf of the Stockholm Air port buss company

1993 Wrote a report the socio-economic effects of the Veda-bridge project, on behalf of the Swedish society for Nature Conservation.

End.

**Fortegnelse over bedømmelsesudvalg til
stilling 60227 Professor in Environmental Sustainable Architecture ved**

Navn: Professor Ole B. Jensen

Arbejdssted: Department of Architecture_Design and Media Technology, AAU

E-mail: obje@create.aau.dk

Navn: Professor Inger Andresen

Arbejdssted: Norwegian University of Science and Technology

E-mail: inger.andresen@ntnu.no

Navn: Professor Walter Unterrainer

Arbejdssted: Aarhus School of Architecture AAA

E-mail: wu@aarch.dk

Akademisk Råd har taget stilling til, at medlemmer af bedømmelsesudvalget er sagkyndige inden for stillingsområdet på et niveau, der mindst svarer til det, der forudsættes for stillingen, dog ikke under lektorniveau.

Professor in Environmental Sustainable Architecture

Redkendt d. 3-8-17
Eskild Holm Nielsen
dekan

Position No.

60227

At the Technical Faculty of IT and Design, Department of Architecture, Design and Media Technology a position as Professor in Environmental Sustainable Architecture is open for appointment from December 1st, 2017, or soon hereafter.

By the professorship, Aalborg University wants to develop its position within environmental sustainable architecture and building design research where we are QS ranked as the only Danish university among the top 100 universities worldwide and the top 50 in Europe in the area Architecture and the Built environment. The research field of architecture at Aalborg University is a cross-disciplinary research environment that works integrated with the interrelation of structural, technical, functional and aesthetical elements of architecture. Thus, the research environment accentuates the close relationship between architecture and engineering with the overall purpose of strengthening the quality of the built environment along with the quality of human life. The cross-disciplinary approach is a cornerstone in research, education and practice and aims to fully integrate engineering and architectural approaches.

To see more, please visit: www.create.aau.dk; www.sarc.aau.dk and <http://www.tia.aau.dk/>

Job description**Applicant profile**

The applicant is an experienced researcher with a relevant background in architecture who has published within the field of architecture and in particular within the field of environmental sustainable architecture. The applicant must have a strong theoretical and methodological foundation within architecture and have relevant experience within the field of sustainable and environmental architecture. Emphasis is on a profile with a holistic and integrated multidisciplinary approach to architecture, including being able to use research-based knowledge in teaching, research and knowledge dissemination. Further, it is expected that the applicant is part of international research networks and has experience with writing, fundraising and managing research projects.

Job description

The applicant will be part of an ambitious research and teaching environment and it is expected that the candidate will be a leading figure in the further development of the section of Architecture and Urban Design - and in particular in the continuous building up of the sustainable architecture research field at the department. Thus, we expect that the applicant will actively participate in the daily life at the department and actively contribute to the knowledge production through publications, externally funded research projects, networking etc. Finally, the position will contain teaching obligations in relation to teaching programs related to the architecture study program.

You may obtain further professional information from Head of Department Hans Jorgen Andersen, tel. +45 9940 8834 or mail hja@create.aau.dk

Qualification requirements:

The successful applicant can demonstrate a documented high level of original scientific production at an international level, including proven further development of the research area in question. An assessment of the candidate's undertaking of research management and/or other possible management functions will also be taken into account. In addition the applicant is expected to have the qualifications required for undertaking teaching responsibilities. Special contributions to and development of educational and teaching related areas will be considered in the overall assessment.

The application must contain the following:

- A motivated text wherein the reasons for applying, qualifications in relation to the position, and intentions and visions for the position are stated.
- A current curriculum vitae.

- Copies of relevant diplomas (Master of Science and PhD). On request you could be asked for an official English translation.
- Scientific qualifications. A complete list of publications must be attached with an indication of the works the applicant wishes to be considered. You may attach up to 10 publications.
- Teaching qualifications described in the teaching portfolio. If this is not enclosed the applicant must include an explanation for its absence.
- Dissemination qualifications, including participation on committees or boards, participation in organisations and the like.
- Additional qualifications in relation to the position.
- References/recommendations.
- Personal data.

The applications are only to be submitted online by using the "Apply online" button below.

An assessment committee will assess all candidates.

For further information concerning the application procedure please contact Anne Christoffersen by mail ach@adm.aau.dk or phone (+45) 9940 9680.

Information regarding guidelines, ministerial circular in force, teaching portfolio and procedures can be seen [here.](#)

Workplace

Aalborg

Agreement

Appointment and salary acc. to the agreement between the Ministry of Finance and the Danish Confederation of professional Associations (AC) on Academics in the State. Employment as Professor is in accordance with a classified position on scale 37. In addition, a pensionable increment will be given.

Deadline

06/10/2017

Apply online

Aalborg University (AAU) conducts teaching and research to the highest level in the fields of humanities, engineering, and natural, health, and social sciences.

[top](#)

CURRICULUM VITAE

Name Inger Andresen
Address Bjarne Ness vei 25, 7033 Trondheim
Mobile + 47 406 49 405
E-mail inger.andresen@ntnu.no
Date of birth 09.05.1965
Nationality Norwegian
Languages Norwegian, English, and some French



Summary of qualifications

25 years experience within the fields of energy efficient buildings, indoor environment, and environmental assessment of buildings. Experience include research and development, education, design and consulting.

Professional history

2015 – Full time professor in Integrated Energy Design, Department of Architecture, History and Technology, Norwegian University of Science and Technology
2014 – 2015 Chief Researcher, SINTEF Building and Infrastructure
2011 – 2013 Head of Environment, LINK arkitektur AS
2007 – 2015 Professor II (20%) in Energy and Environment, Department of Architecture, History and Technology, Norwegian University of Science and Technology
2009 – 2010 Senior Advisor Energy and Environment, Skanska Norway AS
1991 – 2010 Researcher/Senior Researcher, SINTEF Building and Infrastructure, Energy and Environment

Education

1997 – 2000 Ph.D. in Integrated Energy Design, Department of Architecture, History and Technology, Norwegian University of Science and Technology, Trondheim, Norway
1990 – 1991 Master of Science, Building Energy Systems, University of Colorado, USA
1984 – 1988 Master of Science (Sivilingeniør), Department of Civil Engineering, Norwegian Technical University, Trondheim, Norway

Accreditations and special assignments 2007-1014

2012 BREEAM Accredited Professional, Norwegian Green Building Council
2012 - Member of the technical advisory committee for Norwegian Green Building Council.
2012 Leader of the scientific committee for PassivhusNorden'12, Trondheim, Norway.
2012 - Member of British Research Establishment Standing Panel of Experts
2011 Leader of the working group dedicated to adapt the criteria within BREEAM Energy and Health/Wellbeing, assigned by the Norwegian Green Building Council.
2010, 2012 Member of scientific committee for Sustainable Building Conferences, Helsinki
2009 Accredited Professional LEED: Leadership in Energy and Environmental Design, US Green Building Council.
2007 – Referee for the international journals Building and Environment, Applied Energy, Energy and Buildings, Elsevier and MDPI.

PhD Supervision

2016 - Main supervisor for PhD fellow Eirik Resch on the thesis " Zero Emission Neighbourhoods in Smart Cities"
2016 - Main supervisor for PhD fellow Eszter Juhasz-Nagy on the thesis "Planning Instruments for Smart Energy Communities".
2014 - Main supervisor for PhD fellow Torhildur Kristiansdottir on the thesis " Life cycle analysis of zero emission buildings: Methodology, pilot and concept buildings"
2012 – 2016 Co-supervisor to PhD fellow Clara Good on the thesis "PV-Thermal solar systems for building integration"

CURRICULUM VITAE

- 2011 - Co-supervisor to PhD fellow Andreas Eggertsen Teder on the thesis “Typologies in Environmentally Adapted Zero Emission Office Buildings”
- 2011 - Co-supervisor to PhD fellow Julien Boureille on the thesis “Calculation methodology for Zero Emission Buildings”
- 2009 - 2013 Co-supervisor to PhD fellow Klaudia Farkas on the thesis “Architectural Integration of Photovoltaics”, Department of Architecture, History and Technology, Norwegian University of Science and Technology, Trondheim, Norway

PhD Adjudication

- 2016 Magnar Berge: “Indoor Climate Quality in High-Performance Dwellings: An Exploration of Measured, Perceived, and Desired Conditions”
- 2016 Veronica Zaikina: " Light modelling in architectural spaces: luminance-based metrics of contour, shape and detail distinctness of day-lit 3D objects"
- 2015 Torill Meistad: “Sustainable building – From role model projects to industrial transformation”, Department of Civil and Transport Engineering, Norwegian University of Science and Technology, Trondheim, Norway.
- 2015 Andrea Mortensen: “Energy Reovation of Danish Single-Family Houses. An investigation of barriers and motivation factors”, Department of Civil Engineering, Group of Architectural Engineering, Aalborg University, Denmark.
- 2015 Jouri Kanters: "Planning for Solar Buildings in Urban Environments. An analysis of the design process, methods and tools", Lund University, Sweden.
- 2015 Steinar Grynning: “Transparent facades in low energy office buildings – Numerical simulations and experimental studies”, Department of Architecture, History and Technology, Norwegian University of Science and Technology, Trondheim, NO.
- 2014 Nicolas Galiotto: "The Integrated Renovation Process. A Holistic Methodology Towards Nearly Zero Energy Buildings." Department of Civil Engineering, Group of Architectural Engineering, Aalborg University, Denmark.
- 2014 Gitte Gylling H. Olesen: "A model for enquiry of sustainable homes", Department of Architecture, Design and Media Technology, Aalborg University, Denmark.
- 2013 Birgit Risholt: “Zero energy renovation of single family houses”, Department of Architecture, History and Technology, Norwegian University of Science and Technology, Trondheim, Norway.
- 2013 Francesco Goia, "Dynamic Building Envelope Components and Nearly Zero Energy Buildings", Department of Architecture, History and Technology, Norwegian University of Science and Technology, Trondheim, Norway.
- 2012 Riikka Holopainen: “A human thermal model for improved thermal comfort”, Aalto University, Helsinki, Finland.
- 2011 Camilla Brunsgaard: “Understanding of Danish Passive Houses based on Pilot Project Comfort Houses”, Department of Architecture, Design and Media Technology, Aalborg University, Denmark.
- 2008 Igor Sartori: “Modelling energy demand in the Norwegian building stock”, Department of Architecture, History and Technology, Norwegian University of Science and Technology, Trondheim, Norway
- 2007 Hanne Tine Ring Hansen: “Senitivity Analysis as a Methodical Approach to the Development of Design Strategies of Environmentally Sustainable Buildings”, Aalborg University, Denmark.
- 2005 Annemie Wyckmans: “Intelligent Building Envelopes”, Department of Architecture, History and Technology, Norwegian University of Science and Technology, Trondheim, Norway
- 2003 Sigrid Melby Strand: “The MaSe decision support system. Development of an integrated information system for the selection of environmentally preferable materials and products in the building process”, Faculty of Engineering Science and Technology, Norwegian University of Science and Technology.

R&D projects, selected

Project	ZEN – Zero Emission Neighborhoods
Client	Norwegian Research Council and several industry parnters.
Budget	ca. 400 mill NOK
Project period	2017-2014
Function in project	Leader of Work Package 6: Pilot projects and living labs.

CURRICULUM VITAE

Project	ZEB – Zero Emission Buildings
Client	Norwegian Research Council and several Industry partners
Budget	ca. 300 mill NOK
Project period	2009-2016
Function in project	Leader of Work Package 5: Pilot buildings
Project	Nordic Analysis of Climate Friendly Buildings
Client	Nordic Council of Ministers, Nordic Innovation
Duration	2010
Function in project	Project leader
Project	Environmentally Responsive Elements in Buildings
Client	International Energy Agency - Energy Conservation in Buildings Program and the Norwegian Research Council
Duration	2005-2008
Function in project	Leader of subtask B: Integrated concepts

Publications: peer-reviewed papers and books, selected 2007-2016

- Andresen, I. and A.G. Hestnes (2007): "**Multi-criteria decision-making (MCDM) methods**", in *Sustainable Solar Housing. Strategies and Solutions*, edited by R. Hastings and M. Wall, page 63-70, ISBN 978-184407-325-2, EarthScan, London.
- Andresen, I., T. Kleiven, M. Ryghaug og B. Malvik (red 2007): "**Smarte, energieffektive bygninger**", ISBN 878-82-519-2237-1. Tapir Academic Publishing, Trondheim, Trondheim.
- Andresen, I., Dokka T.H., Lexow T.E. (2008), "**New Norwegian Standard for Certification of Low Energy and Passive Houses**", Paper at the 1st Nordic Conference on Passive houses, April 2-3 2008, Trondheim, Norway.
- Andresen, I., K. Ellehauge, B. Karlsson, J. Nieminen (2008): "**Solar heating systems for passive houses in the Nordic countries**", Paper at the 1st Nordic Conference on Passive houses, April 2-3 2008, Trondheim, Norway.
- Haase, M. and I. Andresen (2008): "**Key issues in energy-efficient building envelopes of Norwegian office buildings**", *Proceedings of the 8th Symposium on Building Physics in the Nordic Countries*, (C. Rode ed.) Report R-189, Dept. of Civil Engineering, Technical University of Denmark, Kgs. Lyngby: 49-56
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- Haase, M., I. Andresen, B. Time, and A.G. Hestnes (2008): "**State-of-the-art Sustainable energy efficient building envelopes in Norwegian Office Buildings**", *World Sustainable Building Conference 2008*, Melbourne 21 – 22 September.
- Haase, M., I. Andresen, T. Kvannd, B. Time, and A.G. Hestnes (2008): "**Energy efficient office buildings in Norway – a survey of climate, energy concept and energy performance**", *7th European Conference Solar Energy in Architecture and Urban Planning*, March 11th-14th, Berlin, Germany.
- Haase, M. and I. Andresen (2009): "**The Role of Passive Cooling Strategies for Norway**", *International Journal of Climate Change: Impacts and Responses*, Volume 1 (2), pp. 63-74, CGPublisher, Australia, ISSN 1835-7156.
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- Haase, M., Andresen, I., and Wigenstad, T. (2009): "**Energy-efficient building refurbishment in Norway**", *Proceedings of CISBAT conference (CISBAT)*, Lausanne, Switzerland.
- Haase, M., Andresen, I., Time, B., and Hestnes, A.G. (2009): "**Design and future of energy-efficient office buildings in Norway**", *Proceedings of Building Simulation conference (BS2009)*, Strathclyde, U.K.
- Haase, M., Andresen, I., and Dokka, T.H. (2009): "**Guidelines for sustainable building envelopes**", *Proceedings of International conference on sustainable development*, Utrecht, The Netherlands.
- Andresen, I., K. Farkas, A.G. Hestnes (2009): "**Architectural integration of photovoltaic cells: Overview of materials and products from and architectural point of view**", *Proceedings of the 3rd CIB International Conference on Smart and Sustainable Built Environment*, September 2009, Delft, The Netherlands.
- Haase, M. and Andresen, I. (2009): "**Energy efficient building envelopes – an optimization strategy for sustainable development**", *Proceedings of International conference on sustainable development*, Utrecht, The Netherlands.
- Haase, M. and Andresen, I. (2009): "**Climate change – an opportunity for sustainable development in Norway**", *Proceedings of International conference on sustainable development*, Utrecht, The Netherlands.
- Haase, M. and Andresen, I. (2009): "**Impact of climate on energy-efficiency of buildings in Norway**", *Proceedings of the International conference on Smart and Sustainable Built Environments (SASBE2009)*, Delft, The Netherlands.

CURRICULUM VITAE

- Haase, M., Andresen, I., Time, B., and Hestnes, A.G. (2009): “**Low energy standards in high latitudes - energy-efficient office buildings in Norway**”, Proceedings of Cold Climate HVAC 2009 conference, Sisimut, Greenland.
- Haase, M., I. Andresen, B. Time and A.G. Hestnes (2010): “**Building for climate change – meeting the design challenges of the 21st century**”. *Nordic Journal of Architectural Research*, Volume 22, No 1/2, 2010, 11 pages.
- Haase, M., Andresen, I., Gustavsen, A. and Hestnes, A.G. (2010): “**ZEB concepts in office buildings in Norway**”, Proceedings of Sustainable Building conference (SB10) Western Europe, Maastricht, Netherlands.
- Haase, M., Andresen, I., Wigenstad, T. and Hestnes, A.G. (2010): “**Cost effective energetic refurbishment of office buildings in Norway**”, Proceedings of Eurosun 2010 conference, Graz, Austria, ISBN 978-3-901425-13-4.
- Haase, M., Andresen, I., Time, B. and Hestnes, A.G. (2010): “**Development of future weather data set based on SRES scenario**”, Proceedings of Sustainable Building conference (SB10) Northern Europe, Dipoli, Espoo, Finland, pp 555 – 562, ISBN 978-951-758-506-4, ISSN 0356-9403.
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- Haase, M., Andresen, I., Dokka, TH, and Gustavsen, A (2011): “**Zero Emission Building concepts in office buildings in Norway**”, *International Journal of Sustainable Building Technology and Urban Development, SUSB Vol.2, No.2 (June 30, 2011)*, South Korea, ISSN 2093-7628 (Online), ISSN 2093-761X (Print).
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- Bourelle, J.S., I. Andresen, A. Gustavsen (2013): “**Energy payback: An attributional and environmentally focused approach to energy balance in net zero energy buildings**”, *Energy and Buildings*, volume 65.
- Fredriksen E, og I. Andresen (2014). “**Towards Carbon Neutral Neighbourhoods. Design of buildings and energy supply systems – experience from pilot projects in Norway**”, ZEB Project Report 18-2014, SINTEF Akademisk forlag, ISBN: 978-82-536-1409-0.
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- Gullbrekken, L., A. Svensson, T. Kleiven og I. Andresen (2015). “**Performance Evaluation of Passive Houses – Field Measurements, Data Analysis, and occupant Interviews in 6 Norwegian dwellings**”, Proceedings of the 7th PassivhusNorden Conference, Copenhagen, August 20-21, ISBN: 9788778774231, BYG Rapport R-334.
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- Sartori, I., S. Merlet, T. Haug and I. Andresen. (2016). «**Zero Village Bergen – Aggregated loads and PV generation profiles**», ZEB Report 28, SINTEF Academic Press, Norway, ISBN 978-82-536-1510-3.
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- Sartori, I. and I. Andresen (2016). «**Klimaeffektene av bygninger**». I Hagen, K.P. and G. H. Volden (red) «Investeringsprosjekter og miljøkonsekvenser. En antologi med bidrag fra 16 forskere». Concept rapport nr 48, NTNU, Trondheim. ISSN: 0803-9763.
- Kristjansdottir, T.F, N. Heeren, I. Andresen and H. Brattebø (2017). “**Comparative emission analysis of low-energy and zero-emission buildings**”, *Building Research and Information*, doi: 10.1080/09613218.2017.1305690
- Andresen, I. (2017). “**Towards Zero Energy and Zero Emission Buildings – Definitions, Concepts and Strategies**” *Curr Sustainable Renewable Energy Rep* (2017) 4: 63. doi:10.1007/s40518-017-0066-4

prof. Walter Unterrainer

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CV

teaching and academic experience

2013 – present

professor MSO at Aarhus School of Architecture AAA - responsible for sustainable aspects in architecture throughout the school including supervising of 3 PhD students.

dissemination of own research in different publications, editor of AAA publications on sustainable architecture, organizer of international conferences like 'integrating sustainability into architectural education (2014)' and 'The Changing Shape of Architectural Practices (2017)'

2015 – present

coordinator of research Lab 'Emerging Architectures' at AAA

2009 – 2014

professor at Umea School of Architecture

director of Master program 'Laboratory for Sustainable Architectural Production (LSAP)'

2007 – 2012

honorary professor at Aarhus School of Architecture

director of MEGA – building up and responsible for joint postgraduate master program between Tsinghua University Beijing and Aarhus School of Architecture

2006

visiting professor at Ljubljana University Faculty of Architecture

2003 and 2004

visiting professor at Mackintosh School of Architecture Glasgow

2004 – 2007

lecturer at Kunstuniversität Linz / Austria (Linz University of Arts) with focus on building in wood

1994 – 2004

lecturer at Department of Architecture of University Liechtenstein

1991 –present

lectures and workshops at different Universities in London, Aachen, Auckland, KTH Stockholm, Tallin, Bologna, TU Vienna, St. Petersburg, Riga, Skopje, Ljubljana, Kiev, Tokyo, Gothenburg, Paris, Singapore, Bologna, Helsinki, Tjanjin, Oslo, Bergen, Stavanger, Trondheim, Munich, Pamplona, Ahmedabad, Mumbai, Amman

short summary of professional work

1980 –

own architectural office in Feldkirch / Vorarlberg – Austria. The office has designed approx. 160 buildings in seven European countries. <http://architekt-unterrainer.com>

working on environmental aspects in Architecture from town planning scale into detail, avoiding sick building syndromes as well as developing economic construction methods by radical prefabrication were key issues of the office since it started. From 1984 specialized in extremely energy efficient architecture and establishing 'controlled experimental' and participatory strategies in practice.

key projects out of approx. 160 realized buildings:

prototypical retrofitting of post-war urban quarter in Amberg / Germany 2008 - 2012

zero energy textile house in Feldkirch 2006

wood factory LOT in Feldkirch 2000

first passive housing project of Austria in Batschuns 1997

'card board houses' in Bregenz 1996

solar school Dafins (in collaboration with Hermann Kaufmann) 1987

many projects were the result of winning competition entries.

a significant number of projects got awards like two Austrian government awards 'Haus der Zukunft', 'Österreichischer Bauherrenpreis' (award by Austrian Architectural Association) and several awards for Wooden Architecture.

Several projects were part of exhibitions in Austria, Oslo, Paris and Stockholm.

**Fortegnelse over bedømmelsesudvalg til
stilling PROFESSOR IN TECHNO-ANTHROPOLOGY AND PARTICPATION (60228) ved PLAN**

Navn: Professor Lars Bo Henriksen

Arbejdssted: PLAN, AAU

E-mail: lbh@adm.aau.dk

Navn: Professor Christian Nøhr

Arbejdssted: Maersk-Mckinney-Møller Instituttet, SDU

E-mail: cn@mmm.sdu.dk

Navn: Professor Margunn Aanestad

Arbejdssted: Institut for Informatikk, Oslo Universitet

E-mail: margunn@ifi.uio.no

Akademisk Råd har taget stilling til, at medlemmer af bedømmelsesudvalget er sagkyndige inden for stillingsområdet på et niveau, der mindst svarer til det, der forudsættes for stillingen, dog ikke under lektorniveau.

PROFESSOR IN TECHNO-ANTHROPOLOGY AND PARTICPATION (60228)

Position No.

60228

At the Technical Faculty of IT and Design, Department of Planning a position as Professor in Techno-Anthropology and Participation is open for appointment from 01.01.2018 or soon thereafter. The department of Planning consists of five sub-sections situated in Aalborg and Copenhagen with research and teaching in every aspect of planning. The position is located within the research group Techno-Anthropology and Participation, with workplace in Aalborg.

Job description

The Department of Planning, seeks to increase its research, teaching, and outreach activities within Techno-Anthropology, with an emphasis on participatory design of technology, in particular with regards to the eHealth and Welfare technology domain. The research group Techno-Anthropology and Participation is responsible for the teaching program in Techno-Anthropology, with a strong emphasis on participatory design, health informatics and welfare technology.

In addition to strengthening the research and teaching profile at the department, the successful candidate is expected to expand research and funding opportunities and the potential for collaboration with external partners in research and teaching.

The applicant shall have demonstrated the ability to perform original and independent research at a high international level in participatory design, preferably empirical research related to eHealth, and Welfare technology. In addition, the applicant shall have demonstrated the ability to attract external funding and have experience with dissemination of research results and outreach.

Teaching will primarily be within the BSc and MSc programs of Techno-Anthropology, but may include other cross-University programs. Demonstrated ability to teach at a University high level is required.

You may obtain further professional information from professor Lars Bo Henriksen, e-mail: lbh@plan.aau.dk

Qualification requirements:

The successful applicant can demonstrate a documented high level of original scientific production at an international level, including proven further development of the research area in question. An assessment of the candidate's undertaking of research management and/or other possible management functions will also be taken into account. In addition, the applicant is expected to have the qualifications required for undertaking teaching responsibilities. Experience with development of teaching modules and teaching material within the area called for will be considered in the overall assessment.

The application must contain the following:

- A motivated text wherein the reasons for applying, qualifications in relation to the position, and intentions and visions for the position are stated.
- A current curriculum vitae.
- Copies of relevant diplomas (Master of Science or equivalent and PhD). On request, you could be asked for an official English translation.
- Scientific qualifications. A complete list of publications must be attached with an indication of the works the applicant wishes to be considered. You may attach up to 10 publications.
- Teaching qualifications described in the teaching portfolio. If this is not enclosed the applicant must include an explanation for its absence.
- Dissemination qualifications, including participation on international research committees or boards, participation in societal organisations and the like.
- Additional qualifications in relation to the position.
- References/recommendations.
- Personal data.

The applications are only to be submitted online by using the "Apply online" button below.

An assessment committee will assess all candidates. Information regarding guidelines, ministerial circular in force, teaching portfolio and procedures can be seen [here](#).

For further information concerning the application procedure please contact Nickie Kate Hermansen by mail nkh@adm.aau.dk or phone (+45) 9940 7902.

Workplace

Aalborg

Agreement

Appointment and salary acc. to the agreement between the Ministry of Finance and the Danish Confederation of professional Associations (AC) on Academics in the State. Employment as Professor is in accordance with a classified position on scale 37. In addition, a pensionable increment will be given.

Deadline

05/10/2017

Apply online

Aalborg University (AAU) conducts teaching and research to the highest level in the fields of humanities, engineering, and natural, health, and social sciences.

[top](#)

Curriculum Vitae

Christian Nøhr
Born 26 September 1954

Private address: Sct. Thøgersvej 1A 9480 Løkken, Denmark
Work: Mærsk Mc-Kinney Møller Institute, University of Southern Denmark
Campusvej 55, 5230 Odense M, Denmark
E-mail: cn@mmmi.sdu.dk

Education

1975 Electronic technician, Danfoss A/S.
1984 M.Sc. Engineering (Biomedical Engineering and Healthcare Planning) Aalborg University.
1991 Ph.D. (Technology Assessment and Health Care Informatics), Aalborg University.

Positions

2017 - Professor in Health Informatics, Mærsk Mc-Kinney Møller Institute, University of Southern Denmark.
2015 - Adjunct Professor, School of Health Information Science, University of Victoria, Victoria, BC, Canada
2014 - Adjunct Professor, School of Computing and Information Systems, University of Tasmania, Hobart, Australia
2010 - 2017 Director Danish Centre for Health Informatics, Aalborg University.
2008 - 2017 Professor in Health Informatics, Department of Development and Planning, Aalborg University.
1995 - 2008 Associate Professor in Health Care Informatics and Planning, Department of Development and Planning, Aalborg University.
1991 - 1995 Assistant Professor in Health Care Informatics and Planning, Department of Development and Planning, Aalborg University.
1986 - 1991 Research Associate. Department of Development and Planning, Aalborg University.
1989 Assistant Professor in Humanistic Computer Science in the field of medical informatics. Department of Communication, Aalborg University.
1985 - 1986 Systems Administrator for Borroughs computer system, Aalborg Municipal Administration.
1984 - 1986 Lecturer, Department of Development and Planning, Aalborg University. (Technology Assessment; Systems development
1982 Electronic Technician, Department of Clinical Chemistry, Aalborg Hospital.

Longer visits abroad

2016 Visiting Professor, eHealth Services Research Group, School of Computing and Information Systems, University of Tasmania, Hobart, Australia. (Contact: Paul Turner)
2015 Visiting Professor, eHealth Services Research Group, School of Computing and Information Systems, University of Tasmania, Hobart, Australia. (Contact: Paul Turner)
2012 Visiting Professor, eHealth Services Research Group, School of Computing and Information Systems, University of Tasmania, Hobart, Australia. (Contact: Liz Cummings)
2011 Visiting Professor, eHealth Services Research Group, School of Computing and Information Systems, University of Tasmania, Hobart, Australia. (Contact: Paul Turner)
2003 - 2004 Visiting Academic, Monash Institute of Health Services Research, Monash University, Melbourne, Australia. (Contact: Branko Cesnik)
1996 - 1997 Visiting Academic, Centre of Medical Informatics, Monash University, Melbourne, Australia. (Contact: Branko Cesnik)
1990 Visiting Fellow at University of Texas Health Science Centre at Houston, Program on Humanities and Technology in Health Care. (Contact: Stanley J Reiser)
1987 Study visit to American Universities, Yale, Harvard, George Washington, University of Michigan, University of Chicago, Berkeley, and Stanford.
1974 Electronic Technician, Morse Chain, Burg Warner Inc., Ithaca, New York, USA

Boards

- Vice President, Danish Society for Digital Health 2017 -
- Chair: IMIA Working Group on Human Factors Engineering. 2012 - 2018
- Board Member of "SundhedsITnet". A Network for Danish Health Informatics Research. 2006-2010
- Delegate for Academic Members on IMIA GA meetings. 2006 - present
- Board Member of "Virtual Centre for Health Informatics" Denmark, 1996 - present
- Board Member of "V-CHI foundation" 1996 - 2010

- Board Member of the Danish Society for Medical Informatics, 1992 - 1998
- Board Member of the Danish Society for Technology Analysis and -Assessment 1991 - 1996

Membership

Founding Member of the International Academy of Health Sciences Informatics (2017)

Fellow of the American College of Medical Informatics (2015)

American Medical Informatics Association 2006 – present

Danish Society for Medical Informatics 1985 – 2014

The Danish Society of Engineers 1980 - present

Editor and Reviewer

- Associate editor of Applied Clinical Informatics. 2013 -
- Guest editor for special issue of "Computational and Mathematical Methods in Medicine" on "Advances in Computer Simulation of Clinical Processes" 2012
- Associate editor for IEEE's Transactions on Information Technology in Biomedicine, Aug 2003
- Editor of the newsletter for Danish Society for Medical Informatics, 1992 – 1996

Research councils

- Reviewer for Natural Science and Engineering Research Council of Canada, Nov. 2007 - present
- Reviewer for the Austrian Research Council 1998 -
- Reviewer for Research Council of Norway, October 2006 – present

Journals

- Reviewer for Journal of American Medical Informatics Association 2013 - present
- Reviewer for Cognition Technology & Work (Springer) 2009 - present
- Reviewer for Journal of Biomedical Informatics (Elsevier) 2010 – present
- Reviewer for Methods of Information in Medicine (Schattauer) 2008 - present
- Reviewer for BMC Medical Informatics and Decision Making 2010 - present
- Reviewer for International Journal of Medical Informatics (Elsevier) 1998 - present
- Reviewer on IMIA Yearbook 1997 - present

Examiner for Master theses - international

- Examiner for School of Health Information Science, University of Victoria, Canada, 2006 - present
- Examiner for School of Medicine, Melbourne University, Australia, 2000 -
- Examiner for Health Informatics Research & Evaluation Unit, University of Sydney, Australia, 2009
- Examiner for School of Computing and Information Systems, University of Tasmania, Australia, 2009, 2011.

Ph.D. supervision

- *Henrik Toft Sørensen*: "Epidemiologi og sundhedsplanlægning". 1993 – 1994
- *Rolf Nikula*: "Datorjournalen – en social konstruktion. En studie av hur kärnverksamhetens aktörer tar emot och konstruerar datorjournalen som ett medel för verksamhetsförändring". 1998 – 200
- *Henriette Mabeck*: "Medical practices and use of CPOE" 2005 – 2008.
- *Anna Marie Høstgaard*: "En procesorienteret evaluering af implementeringen af den elektroniske patient-journal (EPJ) i Nordjyllands Amt" 2006 – 2009. (CO supervision with Pernille Bertelsen).
- *Lone Stub Pedersen*: "Perspectives for it-support in hospitals" (CO supervision with Pernille Bertelsen) 2008-2010
- *Charlotte Bjørnes*: "Hvordan oplever mænd med prostatacancer, der gennemgår et forløb med radikal prostatektomi, de korte og afgrænsede kontakter med sundhedsprofessionelle?" 2008 -2011.
- *Sanne Jensen*: "Anvendelse af simulation i forbindelse med design og evaluering af sundheds-it" 2011-2014.
- *Sidsel Villumsen*: "Metoder til monitorering af udbredelse, brug og effekter af sundheds-it-systemer" 2014-2017.

Ph.D. opponent

- *Tina Blegind Jensen*: "IS Adoption From a User Perspective: A case Study of How Health Care Professionals Experience and Make Sense of an Electronic Patient Record Adoption". Aarhus School of Business, University of Aarhus. 2007.

- *Elizabeth Cummings*: "An investigation of the influence of an online patient diary on the health outcomes and experience of people with chronic obstructive pulmonary disease (COPD) participating in a mentored self-management clinical controlled trial". University of Tasmania, Hobart, Australia. 2008
- *Andrew Georgiou*: "The Organisation and Communication Implications of Electronic Ordering Systems for Hospital Pathology Services". University of New South Wales, Sydney, Australia. 2009
- *Annabeth Aagaard*: "Front End Innovation". Aalborg University. 2009.
- *Maren Sander Granlien*: "Participation and Evaluation in the Design of Healthcare Work Systems". Roskilde University, 2010.
- *Emmanuel Chazard*: "Automated Detection of Adverse Drug Events by Data Mining of Electronic Health Records". Lille University Hospital, France. 2011.
- *Ming Chao Wong*: "An exploration of shift-to-shift clinical handover and clinical handover improvement using a user-centered approach at the Royal Hobart Hospital, Tasmania, Australia". University of Tasmania, Hobart, Australia. 2011.
- *Vigdis Heimly*: "Electronic Collaboration across organizational borders in the health care sector: Design and deployment from a sociotechnical perspective". Norwegian University of Science and Technology, Trondheim, Norway. 2012.
- *Linda W.P. Peute*: "Human Factors Methods in health Information Systems' Design and Evaluation. The Road to Success?" University of Amsterdam, The Netherlands. 2013.
- *Amina Tariq*: "Medication safety in collaborative health care settings: An investigation of the impact of information exchange processes in residential aged care facilities". University of New South Wales, Sydney, Australia. 2013.
- *Patrick Kierkegaard*: "The Coordination of Care Across Borders - Exchanging patient information across international, national and institutional boundaries". Copenhagen University, Denmark. 2014
- *Romarc Marcelli*: "Towards a usability knowledge base to support health information technology design and evaluation: application to medication alerting systems". Université Lille Nord de France. 2014.
- *Virpi Jylhä*: "Information Management in Health Care. A model for Connecting Information Culture and Patient Safety". University of Eastern Finland. 2016.
- *Elia Gabarron*: "Social Media and sexual health – New arenas for information on sexually transmitted infections and promotion of healthy sexual behavior". University of Tromsø - The Arctic University of Norway (UiT). 2017.
- *Anne Myr Thorseng*: "Building patient-centred health information infrastructures". University of Oslo, Norway. 2017.

Funded projects last 5 years

PI on the following projects:

- Patient Safety through Intelligent Procedures in Medication (PSIP) (EU FP7) (2.4 Mill DKK)
- Evaluering af GAPS (Genanvendelse af Administrative Patientdata til måling af Sundhedsfaglig kvalitet) (350.000 DKK)
- It-støtte til den fælles Akut Modtage Enhed (FAME) på Horsens Sygehus (65.000 DKK)
- Videokonferencefaciliteter i ambulancer i Region Nordjylland (100.000 DKK)
- Lægebil vagtordning Region Nordjylland (100.000 DKK)

Participating in the following projects:

- Begreber, værdier og metoder til belysning af bæredygtig og levedygtig udvikling og indførelse af teleteknologi i sundhedsvæsenet. (350.000 DKK)
- Nordic eHealth Research Network – Nordic Council of Ministries. (300.000 DKK)
- ICT for Health (Baltic Region) – EU regional project. (1.8 Mill DKK)
- maXi-projektet - nedbrydning af grænser for mestring af kroniske helbredsrisici med it. (7 Mill DKK)
- Evaluering af "Klinisk Proces" (Elektronisk Patient Journal) in Region Nordjylland (500.000 DKK)

Invited talks - International

Conferences

Commonwealth Fund's 19th International Symposium on Health Care Policy, Washington DC, USA, (2016)
 OECD, Workshop at Harvard Global Health Institute Boston, USA (2016)
 Finnish society for Telemedicine (2014)
 Third Annual International Congress on Telehealth and Telecare, King's Fund, London, England (2013)
 XIII Spanish Congress of Medical Documentation, Barcelona, Spain (2013)
 EC, OECD, Brussels, Belgium (2013)

OECD, Paris, France (2012)
HelsIT, Trondheim, Norway (2011)
Institute of Medicine, Commonwealth Fund, Washington DC, USA, (2010)
European Science Foundation, Keele University, UK (2010)
Forum Català d'Informació i Salut, Barcelona, Spain (2007)
Historia Clínica Electrónica De Cantabria, Santander, Spain (2006)
Health Informatics Society Australia / Health Informatics Conference, Sydney, Australia (2006)
Sociedade Brasileira de Informática em Saúde, Natale, Brazil (2002)
Health Informatics Society Australia, Melbourne, Australia (1997)

University guest lectures

Telfer School of Management, University of Ottawa, Ottawa, Canada (2016)
Norwegian Centre for Telemedicine, Tromsø, Norway (2016)
Sydney University, Sydney, NSW, Australia (2016)
University of Tasmania, Hobart, Tasmania, Australia (2007, 2011, 2012, 2015, 2016)
University of Wisconsin, Madison, Wisconsin, USA (2012)
Australian Centre for Health Innovation, UNSW, Sydney, Australia (2011, 2015)
Columbia University, New York, USA (2003, 2005, 2010)
Illinois Institute of Technology, School of Design, USA (2010)
Oregon Health Science University, Portland, Oregon, USA (2006, 2009)
Pontifical Catholic University of Paraná - PUCPR, Curitiba, Paraná, Brazil (2008)
Mayor Clinic, Rochester, Minnesota, USA (2008)
University of Victoria, Victoria, BC, Canada (2006, 2008)
NTNU, Trondheim, Norway (2002, 2004, 2008, 2012)
Hospital Das Clínicas Da Faculdade De Medicina Da Universidade De São Paulo, Brazil (2000)

Publications

209 publications of which 101 are peer reviewed papers, 34 papers in conference proceedings, 24 technical research reports, 8 books (Eds), 9 book chapters, 33 smaller articles in magazines etc. (WoS H-index = 8).
For a full list see: [http://vbn.aau.dk/en/persons/christian-noehr\(6eeddbd1-7d06-4055-acf4-fcdb08026063\).html](http://vbn.aau.dk/en/persons/christian-noehr(6eeddbd1-7d06-4055-acf4-fcdb08026063).html)

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1. A Comparison of Danish and Canadian Consumer Medication Information. / Monkman, Helen; Nøhr, Christian; Kushniruk, Andre William. Context Sensitive Health Informatics: Redesigning Healthcare Work. red. / Christian Nøhr; Craig E. Kuziemyky; Zoie Shui-Yee Wong. IOS Press, 2017. s. 147-152 (Studies in Health Technology and Informatics, Vol. 241).
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10. National Monitoring and Evaluation of Health IT: Protocol for a Scoping Review. / Villumsen, Sidsel Maria Monrad; Nøhr, Christian. Building Capacity for Health Informatics in the Future. IOS Press, 2017. s. 352 - 357 (Studies in Health

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 19. Comparability, Availability and Use of Medication eHealth Services in the Nordic Countries. / Gilstad, Heidi; Brattheim, Berit; Faxvaag, Arild; Nøhr, Christian; Villumsen, Sidsel Maria Monrad; Reponen, Jarmo; Andreassen, Hege; Kangas, Maarit; Harðardóttir, Guðrún Auður; Koch, Sabine; Hyppönen, Hannele . I: International Journal on Advances in Life Sciences, Vol. 8, Nr. 1&2, 2016, s. 112 - 121.
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CURRICULUM VITAE

Name: Margunn Aanestad
Born: 6 May 1967
Nationality: Norwegian
Current positions: Professor, Department of Informatics, University of Oslo
Professor II at Universitetet i Tromsø Norges Arktiske Universitet

Academic degrees:

2002: PhD (Dr.Scient.) from the Department of Informatics, University of Oslo. Thesis title: "Cultivating Networks. Implementing Surgical Telemedicine".

1994: Master - Applied Natural Sciences (Norwegian: sivilingeniør i tekniske realfag), Høgskolesenteret i Rogaland.

1992: Bachelor – Biomedical Engineering (ingeniør i medisinsk teknikk) , Høgskolesenteret i Rogaland.

Work experience:

May 2015 – today Senior Advisor at Directorate of e-Health (part time)
Oct 2015 – today Professor II at the Faculty of Medicine, University of Tromsø
May 2011 – today Professor at the Department of Informatics (IFI, UiO)
Sep 2005 – April 2011 Associate professor at the Department of Informatics (IFI, UiO)
Jul. 2003 – Aug. 2005: Post-doctoral research fellow at the Department of Informatics (UiO)
Jul. 2002 – Jun. 2003: Associate professor at the Department of Informatics (UiO)
Jan. 2002 – Jun. 2002: Assistant professor at the Department of Informatics (UiO)
Jun. 1998 – Dec. 2001: PhD student (IFI, UiO)
Jan. 1998 – May 1998: Senior engineer, Network Administration Department, Telenor, Oslo, Norway.
Mar. 1996 – Dec. 1997: Service engineer, Medical Technology Dept., Rikshospitalet, Oslo, Norway.

Research orientation

My empirical research domain has been related to Information and Communication Technologies (ICT). The empirical work has primarily been within the healthcare sector, addressing e.g. telemedicine, electronic patient records, patient-centered applications, image-guided surgery, personalized medicine (genetics). The research has mainly been in the Norwegian healthcare sector, but also in projects in developing countries (connected to an Open Source software project active in ~60 developing countries).

Theoretically I am located within the Information Systems research field, and also draw on adjacent fields such as Organizational Studies, Science and Technology Studies (STS) and Computer-supported Collaborative Work (CSCW). The major theoretical lens is information infrastructure theory used to discuss the complexity of large-scale, sociotechnical ICT networks, in order to understand both the sources of complexity and the outcomes of various strategies to handle it.

Methodologically, I have primarily conducted qualitative studies based on ethnographic methods (such as participant observation, interviews and document analysis), as well as more interventionist methods (e.g. action research in close collaboration with clinical departments and technology providers). I am also familiar with statistical and other quantitative research approaches used in clinical research.

Project management experience:

I have previously managed a project funded by the Norwegian Research Council (VERDIKT) on ICT applications for new networked collaboration forms in the health sector (9,4 mNOK). Currently I am leading a project funded by the Norwegian Research Council (VERDIKT) on ICT applications for patient-centered ICTs in the health sector (15 mNOK), and am a partner in three other NRC-funded projects on ICT and innovation in health care. I am the leader for an internal strategic research initiative on “Design Methods for Complex Architectures” (2014-2019). I am also a research partner in the new Center for Research-Driven Innovation (Senter for Forskningsdrevet Innovasjon, SFI) called “Center for Connected Care” headed by the Innovation Department at Oslo University Hospital (starting 2015). I am also the “Main Proposer” (i.e. PI) for an application to EU’s COST Action that mobilized 44 eHealth infrastructure researchers in 16 European countries.

Doctoral students, membership in academic and professional committees, scientific review work including peer review, outreach activities, and other professional merits:

I currently supervise 9 PhD students, and am principal supervisor for 5 of them. Eight supervised PhD students have graduated, for whom I was principal supervisor for three and secondary supervisor for five. I am a member of the Editorial Board of *Information Technology and People*, *Health Technology and Policy*, *Journal of the Association of Information Systems* and *Information and Organization*, and between 2010-13 in *Scandinavian Journal of Information Systems*. I am a regular reviewer for conferences (ICIS, ECIS, IFIP WG. 8.2) and journals (MISQ, ISR, ITD, JAIS, TIS) in the Information Systems field. I am a member of the Association of Information Systems. I have participated in PhD adjudication committees at Copenhagen Business School, Copenhagen University, University of Århus, University of Aalborg, Karolinska Institutet Stockholm, Trinity College/University of Dublin, University of Tromsø, as well as at IFI, UiO. Between 2011-2015 I served in the the ehealth/telemedicine/health service research evaluation committees of Helse Nord, and I am a regular reviewer for the Norwegian Research Council. During spring 2016 I participate in a working group appointed by the Ministry of Education and Research to propose national guidelines for open access to research results.

Selected academic and professional publications 2006-2016:

Google Scholar citation indices: 1548 citations (978 since 2011), h-index 18, i10 index 27

Peer-reviewed journal papers

1. Shidende, N. H., Aanestad, M., Igira, F. T. (2016): The role of context in the co-evolution of work and tools. A case from the primary health sector in Tanzania. *Information Technology and People*, 29(4); 850-875.
2. Myhre, S., Kaye, J., Bygrave, L. A., Aanestad, M., Ghanem, B., Mechael, P., Frøen, F. (2016): eRegistries: governance for electronic maternal and child health registries. *BMC Pregnancy and Childbirth*, 16(279).
3. Aanestad, M., Jensen, T.B. (2016): Collective mindfulness in post-implementation IS adaptation processes. *Information and organization*, 26(1-2) pp. 13-27
4. Vassilakopoulou, P., Grisot, M., Aanestad, M. (2016): Enabling Electronic Interactions between Patients and Healthcare Providers: a service design perspective. *Scandinavian Journal of Information Systems*, 28(1) pp. 71-90

5. Aanestad, M., Jolliffe, B., Mukherjee, A., Sahay, S. (2014): Infrastructuring Work: Building a State-Wide Hospital Information Infrastructure in India. *Information Systems Research*, 25(4), pp. 834–845.
6. Shidende, Nima Herman; Grisot, Miria; Aanestad, Margunn; Igira, Faraja Teddy (2014): Coordination Challenges in Collaborative Practices in the Prevention of Mother to Child Transmission of HIV in Tanzania. *Journal of Health Informatics in Africa*, 2.(1) p. 1-16
7. Mengiste, S.A. and Aanestad, M. (2013): Understanding the dynamics of learning across social worlds: A case study from implementing IS in the Ethiopian public health care system. *Information and organization*, volum 23(4) s. 233-257
8. Damte, Z.A. and Aanestad, M. (2012): Benefits of Local Knowledge in Shaping standards:- A Case Study from Community Health Service and Information Systems in Ethiopia. *Scandinavian Journal of Information Systems*, volum 24(2)
9. Mørk, B.E., Hoholm, Maaninen-Olsson, E. and Aanestad, M. (2012): "Changing practice through boundary organizing: A case from medical R&D". *Human Relations*, 65(2), 263-288.
10. Mukherjee, A.S., Aanestad, M. and Sahay, S. (2012): "Judicious design of electronic health records: Case from public health system in India". *Health Policy and Technology*, 1(1), 22–27.
11. Aanestad, M. and Jensen, T.B. (2011): "Building nation-wide information infrastructures in healthcare through modular transition strategies". *Journal of Strategic Information Systems*, 20(2), 161–176.
12. Mørk, B.E., Hoholm, T. Ellingsen, G., Edwin, B. and Aanestad, M. (2010): "Challenging expertise: On power relations within and across communities of practice in medical innovation". *Management Learning*, 41(5), 575-592
13. Sahay, S., Monteiro, E. and Aanestad, M. (2009): "Configurable Politics and Asymmetric Integration: Health e-Infrastructures in India." *Journal of the Association of Information Systems*, 10(5), pp. 399-414.
14. Mørk, B.E., Aanestad, M., Hanseth, O. and Grisot, M. (2008): "Conflicting epistemic cultures and obstacles for learning across communities-of-practice". *Knowledge and Process Management*, 15 (1); 12-23.
15. Kimaro, H. Mengiste, S. and Aanestad, M. (2008): "Redesigning Health Information Systems in Developing Countries: the Need for Local Flexibility and Distributed Control". *Public Administration and Development*, 28(1);18–29.
16. Jensen, T.B. and Aanestad, M. (2007): "Hospitality and hostility in hospitals: A case study of an EPR adoption among orthopaedic surgeons". *European Journal of Information Systems*, 16 (6);672-680.
17. Aanestad, M., Monteiro E. and Nielsen, P. (2007): "Information Infrastructures and Public Goods: Analytical and Practical Implications for Spatial Data Infrastructures". *Information Technology for Development*, 3(1); 7-25
18. Tina Blegind Jensen and Margunn Aanestad (2007): How Healthcare Professionals "Make Sense" of an Electronic Patient Record Adoption. In *Information Systems Management*, 24 (1); 29-42.
19. Mørk, B.E., Hoholm, T. and Aanestad, M. (2006): "Constructing, enacting and packaging innovations". *European Journal of Innovation Management*, 9(4); 444-465.
20. Hanseth, O., Jacucci, E., Grisot, M. and Aanestad, M. (2006): "Reflexive Standardisation. Side-effects and complexity in standard-making". *MIS Quarterly*, vol. 30; August 2006, pp. 563-581.

Books and book chapters:

1. Vassilakopoulou, P., Skorge, E., Aanestad, M. (2016): Premises for Clinical Genetics Data Governance: Grappling with Diverse Value Logics. In: *The Ethics of Biomedical Big Data*. Springer 2016 ISBN 3319335235.
2. Boulos-Rødje, N., Ellingsen, G., Bratteteig, T., Aanestad, M., Bjørn, P. (2015). ECSCW 2015: Proceedings of the 14th European Conference on Computer Supported Cooperative Work. Springer 2015 (ISBN 978-3-319-20498-7) 316 s.
3. Aanestad, M., Bratteteig, T. (2013): Nordic Contributions in IS Research : 4th Scandinavian Conference on Information Systems, SCIS 2013, Oslo, Norway, August 11-14, 2013.

- Proceedings. Springer 2013 (ISBN 978-3-642-39831-5) ;Volum 156.105 s. Lecture Notes in Business Information Processing
4. Mørk, B.E., Aanestad, M., and Hoholm, T. (2013): Tverrfaglig samhandling: En praksisbasert studie av utvikling og implementering av nye praksiser i sykehus. I: Samhandling for helse: Kunnskap, kommunikasjon og teknologi i helsetjenesten. Gyldendal Akademisk, s. 258-279
 5. Aanestad, M. (2013): IKT - et utfordrende redskap. I: Fremtidens Helse-Norge. Fagbokforlaget, s. 169-185
 6. Margunn Aanestad (2012): What If Design Is Something Else: The Challenges of Dealing with Interdependencies. I: Lecture Notes in Business Information Processing, Springer, vol 124 s. 95-108, s. 111-126.
 7. Margunn Aanestad (2012): "IKT - et utfordrende redskap". I Melberg og Kjekshus (red.): Fremtidens Helse-Norge. Fagbokforlaget, s. 169-185
 8. Margunn Aanestad og Irene Olaussen (red.) (2010): "IKT og samhandling i helsesektoren. Digitale lappetepper eller sømløs integrasjon?" Tapir Akademiske Forlag, 2010.
 9. Skorve, E. and Aanestad, M. (2010): "Bootstrapping Revisited: Opening the Black Box of Organizational Implementation". Lecture Notes in Business Inf. Proc., vol 60. s. 111-126
 10. Petter Nielsen and Margunn Aanestad (2009): "Control Devolution as Information Infrastructure Design Strategy: A case study of a content service platform for mobile phones in Norway". In: C. Avgerou, G.F. Lanzara and L.P. Willcocks (Eds.): Bricolage, Care and Information Systems (Technology, Work and Globalization), Palgrave Macmillan, 2009.

Peer-reviewed, full papers in international conference proceedings

11. Vassilakopoulou, Polyxeni; Grisot, Miria & Aanestad, Margunn (2015). A Frugal Approach to Novelty: Patient-oriented Digital Health Initiatives Shaped by Affordable Losses and Alliances, In Proceedings of ECIS 2015.
12. Vassilakopoulou, Polyxeni; Grisot, Miria & Aanestad, Margunn (2015). Co-Creation of Patient-Oriented Services: Design of Electronic Booking for Norwegian Healthcare, In Nordic Contributions in IS Research. 6th Scandinavian Conference on Information Systems, SCIS 2015, Oulu, Finland, August 9-12, 2015,
13. Rolland, Knut-Helge Ronæs; Aanestad, Margunn (2014): Growing platform-based enterprise systems through 'modular' and 'architectural' acts of customizing: a case study. SCIS/IRIS 37
14. Aanestad, Margunn; Grisot, Miria; Vassilakopoulou, Polyxeni (2013): Towards Patient-Centered Health Information Infrastructures: the Challenge of Disparate Components. IFIP 8.2 OASIS 2013 Workshop 14. December 2013, Milan, Italy.
15. Margunn Aanestad (2011): "Information Systems Innovation Research: Between Novel Futures and Durable Presents". Proceedings from IFIP WG 8.2. In: Researching the Future in Information Systems. Springer, pp. 27-42.
16. Tina Blegind Jensen and Margunn Aanestad (2010): "National initiatives to build healthcare information infrastructures". Paper presented at MCIS, the 5th Mediterranean Conference on Information Systems, Tel Aviv/Yafo September 12th-14th 2010.

Papers in international conference without proceedings

17. Aanestad, M. (2015) Keynote presentation: Information Infrastructures in Healthcare: Beyond the "here and how"? The 5th International Workshop on Infrastructure in Healthcare. Patient-centered care and patient-generated data; Trento, Italy, 18-19.6.2015
18. Aanestad, Margunn; Grisot, Miria; La Rocca, Antonella; Vassilakopoulou, Polyxeni.
19. Connected Care – creating patient-oriented digitally supported health services. Researching Digitalization Workshop; London School of Economics, May 19th 2015
20. Aanestad, Margunn; Grisot, Miria; Vassilakopoulou, Polyxeni (2015) Personal Health Records as novel common Spaces: patients as integrators. The 5th International Workshop on Infrastructures in Healthcare: Patient-Centered Care and Patient-Generated Data; Trento Italy, June 18-19th 2015.

**Fortegnelse over bedømmelsesudvalg til
stilling 201731 Assistant Professor in Industrial Design ved Institut for Arkitektur og Medieteknologi**

Navn: Associate Professor Nis Ovesen

Arbejdssted: Department of Architecture and Media Technology, AAU

E-mail: nove@create.aau.dk

Navn: Associate Professor Birgitte Geert Jensen

Arbejdssted: Aarhus School of Architecture

Akademisk Råd har taget stilling til, at medlemmer af bedømmelsesudvalget er sagkyndige inden for stillingsområdet på et niveau, der mindst svarer til det, der forudsættes for stillingen, dog ikke under lektorniveau.

Assistant Professor in Industrial Design

Position No.

201731

At the Technical Faculty of IT and Design, Department of Architecture, Design and Media Technology a position as Assistant Professor in Industrial Design is open for appointment from November, 1st 2017 or soon hereafter and for a period of three years.

The Department of Architecture, Design and Media Technology has as its goal the development of an innovative cluster of engineering-based environments for education and research which integrate creativity, engineering and technology within the disciplines of architecture, urban design, industrial design, digital design and interactive media. The department is a leading research and educational environment in Denmark that addresses the challenge of the interplay between creativity and technology, and develops new areas in research and education directed towards the end-user.

Job description

The position is with the Industrial Design Section at Aalborg University, and within a research field related to 'Design Driven Innovation' Research Group.

The key research themes addressed by this group are Front-end Innovation, Meaning Making and Design Frames in interdisciplinary teams. The overall purpose is to understand how design and design thinking drives innovation, and to understand the strengths, weaknesses and challenges of this approach for various organizations and companies. The academic fields include: Design research, Design- and Innovation Management.

Applicant profile

The applicant should be willing to join a collaborative research and teaching environment and has previous research experience with design theories, processes and methods. The candidate is a design researcher with a relevant background in Industrial Design, Product Design, Design Engineering or similar.

The successful applicant will be part of an ambitious research and teaching environment. The position includes teaching obligations in the study programs to which the Industrial Design Section is related. The candidate is expected to actively and in a collaborative manner participate in the further development of the research field of Design Driven Innovation.

You may obtain further information from Christian Tollestrup, Head of Industrial Design Section. Mail cht@create.aau.dk, tel. +45 9940 9915.

Qualification requirements:

Appointment as an Assistant Professor presupposes scientific qualifications at PhD-level or similar scientific qualifications. The research potential of each applicant will be emphasized in the overall assessment.

Appointment as an Assistant Professor cannot exceed a period of four years in total in a temporary position (appointment at Assistant Professor level cannot exceed a period of eight years in total in Denmark).

The application must contain the following:

- A statement outlining your reasons for applying, and intentions and visions with, the position.
- Your curriculum vitae, including personal data, educational background, scientific qualifications, dissemination skills, participation in committees and boards, and additional qualifications relevant for the position.
- Copies of relevant diplomas (Master of Science and PhD). On request you could be asked for an official English translation.
- A complete list of publications.
- Publications you wish to be considered by the assessment committee. You may attach up to 5 publications.
- A specification of your teaching qualifications relative to the teaching portfolio. If this is not enclosed you must include an explanation for its absence.
- References/recommendations.

An assessment committee will assess all candidates.

The applications are only to be submitted online by using the "Apply online" button below.

For further information concerning the application procedure please contact Anne Christoffersen by mail ach@adm.aau.dk or phone (+45) 9940 9680.

Information regarding guidelines, ministerial circular in force, teaching portfolio and procedures can be seen [here](#).

Workplace

Aalborg

Agreement

Employment is in accordance with the Ministerial Order on the Appointment of Academic Staff at Universities (the Appointment Order) and the Ministry of Finance's current Job Structure for Academic Staff at Universities. Employment and salary are in accordance with the collective agreement for state-employed academics.

Deadline

01/10/2017

Apply online

Aalborg University (AAU) conducts teaching and research to the highest level in the fields of humanities, engineering, and natural, health, and social sciences.

Curriculum Birgitte Geert Jensen

Curriculum

Birgitte Geert Jensen

Lindevangsvej 10

8240 Risskov

Tel. +45 28447170

Associate Professor at the Aarhus School of Architecture

Date of Birth: 040259

Publication: <http://aarch.dk/person/e54060c39245da42a6a28cb2757fb3c1/#/publikationer>

Education and academic degrees

1992 Cand. Arch. Aarhus School of Architecture, Department of Industrial design

1984 Graduated as nurse, Aarhus Kommunehospital

1978 High School examination, Hasseris Gymnasium, Aalborg

Professional experience

1994-97 Industrial designer, Ide-Line A/S. 1997-99 Industrial designer, Tagarno A/S.

1992-94 Industrial designer, Oecon I/S.

1991-92 Industrial designer, Cotas Computer Technology A/S.

1990 Industrial designer, Systema A/S, Herning.

1984-86 Nurse on intensive care, Aarhus Kommunehospital

Positions

2004- Associate Professor, Aarhus School of Architecture

2002-2004 Assistant Professor, Aarhus School of Architecture

2000-2002 Research Assistant, Aarhus School of Architecture

1999-2000 Full time teacher, Aarhus School of Architecture, Industrial Design

1999-2000 Part time teacher at Designskolen Kolding, Industrial Design

Curriculum Birgitte Geert Jensen

Research Education

2002 PhD course: "Design facilitation – Models and Methods in Integrated Design"

2001-2002 Research School AAA

Research management

2008-2012

Project leader *User-driven guideline for the Industry: Accessible packaging for the elderly and disabled people*. It is a collaborative effort involving, among others, the Danish Technological Institute, the Aarhus School of Architecture, the Danish Rheumatism Association, and a number of trade organisations and enterprises. The Danish Enterprise and Construction Authority has provided a 5.6 million kroner grant for this four-year project, which was launched in the spring of 2008. www.userfriendlypackaging.dk

2004-2006

Project leader, *H.O.T, Public toilets for disabled people* (Sold to Pressalit Care in 2006) The Project was financed by Knud Højgaards Fond, Sahava Fonden, Vanførefonden, Sygekassernes Helsefond, Augustinus Fond

Research

2013-2015 Research partner *Comfort in Living*, Innovations netværket Livsstil- bolig og beklædning

2008-2012 Project leader, *User-driven guideline for the industry: Accessible packaging for the elderly and disabled people*

2010-2012 Research partner *Leg og læring – Kids ´ tweens lifestyle*, Syddansk Vækstforum and EU's regionalfond

2009-2011 Research partner *Active User Topologies (AUTO)* finansieret under program for brugerdreven innovation.

2006-2007 Research partner in *IXP (Interactive Experience Environments)* The IXP project is multidisciplinary research project looking to develop new concepts and prototypes for technology in future experience spaces.

2004-2006 Project leader on the research project: *H.O.T, Public toilets for disabled people*

2001 Reviewer on PhD course „Visualising culture in design“ - Dept. of Information Studies, Aarhus University

PhD supervisor

Herriot, Richard, *Accessibility through User-centred Design and Inclusive Design Processes*, Completed 2014

Colfelt, Solvej, *Accessibility in the public space – wayfinding in hospitals*, Completed 2012

Curriculum Birgitte Geert Jensen

Honorary offices

Member of the advisory group Rethink Business, The organization will demonstrate how circular economy can create innovation, new growth, new jobs and more value for the society.

Member of the steering committee Plastindustriens Designklub

Member of the board, Den Skandinaviske Designhøjskole,

Member of the Jury in the Russian Design Week

En rapport lavet i Pure. Udarbejdet af: Henning Grauballe (henning.grauballe@aarch.dk), 11/01/2017 11:09

Publikationer

Liste af Publikationer

2016

Geert Jensen, B & Rasmussen, J 2016, Urban Social initiatives and Co-creation. i *In this Place: cumulus association biannual international conference*. Nottingham University, s. 188-196.

Geert Jensen, B & Rasmussen, J 2016, 'Urban Social Initiatives and Co-Creation' In this Place, Nottingham, Storbritannien, 28/04/2016 - 01/05/2016,

2014

Rasmussen, J, Geert Jensen, B & Volf, M 2014, 'Design as a Cultural Venue for Interdisciplinary Collaboration.' Paper fremlagt ved, Aveiro , Portugal, 08/05/2014 - 10/05/2014,

Geert Jensen, B, Rasmussen, J & Volf, M 2014, Design as a Cultural Venue for Interdisciplinary Collaboration. i T Franqueira & J Sampaio (red), *What's On: Cumulus Spring Conference, Aveiro 2014, 8-10 May, Portugal, On-line Proceedings*. Universidade de Aveiro, Comissão Editorial, s. 127-137.

2013

Geert Jensen, B & Borup Lynggaard, A 2013, 'Designing DOKK1 from a child's point of view' Next Library 2013, Aarhus, Danmark, 16/06/2013 - 19/06/2013,

Geert Jensen, B & Nielsen, T 2013, 'Happy Cycling: Når effektivitet ikke er nok' Paper fremlagt ved Aalborg Trafikdage 2013, Aalborg, Danmark, 26/08/2013 - 27/08/2013,

Herriott, R & Geert Jensen, B 2013, 'Student' responses to inclusive design' *Design Issues*, vol 34, nr. 4, s. 438-453. DOI: 10.1016/j.destud.2013.01.005

Herriott, R & Geert Jensen, B 2013, 'Students' responses to inclusive design' *Design Studies*, vol 34, nr. 4, s. 438.

2012

Geert Jensen, B 2012, 'Gør emballage brugervenlig: Tænker din virksomhed i at producere brugervenlig emballage? Resultaterne af et fireårigt projekt om emnet er nu tilgængelige på en ny hjemmeside.' *Plastpanorama*, nr. 3, s. 4.

Geert Jensen, B & Antvorskov, H 2012, 'Guideline to easy-to-open packaging: a practical tool' Paper fremlagt ved 18th IAPRI World Packaging Conference, San Luis Obispo, USA, 18/06/2012 - 21/06/2012,

Geert Jensen, B & Antvorskov, H 2012, 'Insight, ideation and implementation for easy open packaging.' Paper fremlagt ved The International Conference Designing Food and Designing for Food, London, Storbritannien, 28/06/2012 - 29/06/2012,

Rasmussen, J, Schiønning Mortensen, B & Geert Jensen, B 2012, Preparing design students for strategic design. i JB Reitan (red.), *Formakademisk: NORDCODE Design Research Seminar*. 1(2012) udg, vol. 5, Oslo and Akershus University College.

Geert Jensen, B & Herriott, R 2012, Students responses to inclusive design. i P Rodgers (red.), *Articulating Design Thinking*. vol. 1, Libri Publishing, s. 39-54.

Herriott, R & Geert Jensen, B 2012, 'STUDENTS' RESPONSES TO INCLUSIVE DESIGN' Paper fremlagt ved Design Thinking Research Symposium (DTRS 2012), Northumbria, Storbritannien, 18/04/2012 - 19/04/2012,

Geert Jensen, B & Kruse, M 2012, Supporting the emergence of female student entrepreneurs. i E Salmi (red.), *Cumulus Working Papers Paris-Sevre: Crossing Talents -Transversality in Design*. vol. 27/11, Helsinki, s. 44-49.

Geert Jensen, B 2012, Understanding users in product development. i P Kyvsgaard Hansen, J Rasmussen, K A. Jørgensen & C Tollestrup (red), *Norddesign 2012: Proceedings of: The Ninth Norddesign Conference, 2012*. Aalborg Universitet, Aalborg.

Geert Jensen, B & Antvorskov, H 2012, 'Understanding users in product development.' Paper fremlagt ved Norddesign 2012, Aalborg, Danmark, 22/08/2012 - 24/08/2012,

2011

Geert Jensen, B 2011, 'Creative Aarhus' Paper fremlagt ved Cumulus Helsinki 2012, Helsinki, Finland, 24/05/2012 - 26/05/2012,

Geert Jensen, B 2011 Creative industries: En undersøgelse af det kreative potentiale i Aarhus. [Online]. Available from: http://www.hulsroy.com/Creative_Industries_digital.pdf, [Tilgæet 27. november 2011].

Geert Jensen, B & Antvorskov, H 2011, Define Customer Needs with Design Tools. i *Include 2011, Helen Hamlyn Research Center*. s. 1-9.

Geert Jensen, B & Kruse, M 2011, Supporting the emergence of female student entrepreneurs. i *Crossing Talents*:. s. 1-9.

2010

Geert Jensen, B 2010, 'Fremtidens emballage' *Ledsager*, nr. 4, s. 17-21.

Geert Jensen, B 2010, 'User friendly packaging' THE CREATIVE NORTH, Shanghai, Kina, 01/10/2010 - 15/10/2010,

Rasmussen, J, Geert Jensen, B & Schiønning Mortensen, B 2010, 'Visualisation as the Link Between User Data and Business Development' Paper fremlagt ved NORDCODE 9th Seminar, Akershus, Norge, 26/05/2010 - 28/05/2010,

2009

Jensen, BG & Widding, SH 2009, 'Brugervenlig emballage for alle' *Plastpanorama*, vol 58, nr. 3, s. 12.

Jensen, BG & Widding, SH 2009, Brugervenlig emballage for alle. i *Gigforeningen*. www.gigforeningen.dk.

Jensen, BG & Widding, SH 2009, 'Danmark satsar på användarvänliga förpackningar: Til nytta för alla - inte bara handikappada' *pack og plast*, nr. 6/7, s. 14-15.

Geert Jensen, B 2009, 'Ensuring socially responsible packaging design' 8th Nordcode seminar : Design Responsibilities: Potentials & Pitfalls, Kolding, Danmark, 27/05/2009 - 29/05/2009,

Jensen, BG & Widding, SH 2009, '**Ensuring socially responsible packaging design**' Paper fremlagt ved Nordcode 09 *Design Responsibility: Potentials and Pitfalls - The 8th NORDCODE Seminar*, Designskolen Kolding, Danmark, 27/05/2009 - 29/05/2009,

Jensen, BG 2009 'User centered design in public transportation' University of Art and Design Helsinki, Finland, s. 129.

2008

Jensen, BG 2008, Design solutions for an ageing society. i *Cumulus Working Papers Kyoto 20/08*. University of Art and Design Helsinki.

Jensen, BG 2008, 'Tilgængelig emballage til ældre og funktionshæmmede' Etnografi møder brugerdreven innovation, KBH, Danmark, 15/10/2008 - 15/10/2008,

2007

Jensen, BG & Keissner, M 2007, Fra feltarbejde til fremvisning: trafikikkerhed gennem brugerdreven innovation. i *Ikke angivet*. Aalborg Universitet.

Jensen, BG 2007, 'User centeret design in public transportation' Cumulus conference "Crossing boundaries", 30/06/2010,

2006

Jensen, BG & Julbo, M 2006, Fremtidens kollektive trafik. i *Proceedings from the Annual Transport Conference at Aalborg University*. Trafikforskningsgruppen, Aalborg Universitet.

2005

Borup Lynggaard, A, Langballe, L & Geert Jensen, B 2005, Engaging Experiences in Interactive Museum Exhibitions. i *The Cultural Heritage and the Science of Design: Proceeding of the 2nd International Meeting*. Cumulus, s. 383-388.

Jensen, BG & Barnow, M 2005, Knowledge based creativity: Innovation, entrepreneurship and design in an academic environment. i *Ikke angivet*. Växjö University.

2004

Jensen, BG 2004, Entrepreneurship and Design: Entrepreneurship and Innovation - A matter of attitude and openness. i *Ikke angivet*. University of Art and Design Helsinki.

Jensen, BG 2004, Innovation and Entrepreneurship as part of a Master Program in Architecture and Design. i *Cumulus Working Papers. Oslo - Publication Series G*. University of Art and Design Helsinki, s. 6-10.

Ovenstående rapport er lavet ud fra følgende opsætning
Sorteret efter: Udgivelsesår

**Fortegnelse over bedømmelsesudvalg til
stilling P21736 Postdoc in Speech Intelligibility Enhancement Using Deep Neural Networks ved Inst.
for Elektroniske Systemer**

Navn: Professor Jesper Jensen
Arbejdssted: Department of Electronic Systems, AAU
E-mail: jje@es.aau.dk


Navn: Professor Søren Holdt Jensen
Arbejdssted: Department of Electronic Systems, AAU
E-mail: shj@es.aau.dk

Akademisk Råd har taget stilling til, at medlemmer af bedømmelsesudvalget er sagkyndige inden for stillingsområdet på et niveau, der mindst svarer til det, der forudsættes for stillingen, dog ikke under lektorniveau.

Postdoc in Speech Intelligibility Enhancement Using Deep Neural Networks

Position No.

P21736

Godkendt d. 
~~Eskild Holm Nielsen~~
Henrik Pedersen
dekan

At the Technical Faculty of IT and Design, Department of Electronic Systems, Signal and Information Processing Section, a position as postdoc in Speech Intelligibility Enhancement Using Deep Neural Networks is open for appointment from 1. November, 2017, or as soon as possible thereafter. The fully funded position is available for a period of three years.

The Department of Electronic Systems is one of the largest departments at Aalborg University with a total of more than 250 employees. The department is internationally recognized in particular for its contributions within Information and Communication Technology (ICT). The research and teaching of the Department of Electronic Systems focus on electronic engineering and the activity areas are organized in the sections: Antennas, Propagation and Radio Networking section (APNet), Automation Control section (Control), Signal and Information Processing section (SIP), Wireless Communication Networks section (WCN) and Communication, Media and Information technologies (CMI).

The department focuses on maintaining a close interplay with the university's surroundings - locally, nationally and internationally - as well as producing unique basic research and educating talented and creative engineers. The department collaborates with leading ICT researchers all over the world.

Job description

Hearing assistive devices, such as headsets for speech communication in noisy environments and hearing aid systems, aim at improving the speech intelligibility (SI) for the user. To do so, the hearing assistive devices process the acoustic signals, before they are presented to the ears of the user. This postdoc project is part of a research project on Intelligibility-Aware Hearing Assistive Devices.

The goal of the postdoc project is to develop deep-learning algorithms, which are capable of improving the SI for binaural acoustic situations for normal hearing and for hearing impaired listeners. We envision deep-learning algorithms which employ a model-based approach, i.e., algorithms which utilize (or are inspired by) auditory models or models of intelligibility.

The project will take place at the Section for Signal and Information Processing (SIP), Department of Electronic Systems, Aalborg University. The SIP section conducts research in areas such as communication technology, human perception (audio, vision), signal processing for multimedia technology, etc. The section also hosts the newly founded Centre for Acoustic Signal Processing Research (CASPR), which focuses on research and education supporting future statistical signal processing concepts for hearing assistive devices.

The successful candidate holds a PhD within a field related to speech signal processing, machine learning, signal processing, information theory, or similar. Knowledge of auditory perception, hearing aid technology, etc., is an advantage. An excellent research track record is expected.

You may obtain further information from Professor Jesper Jensen (phone: +45 3913 8981, email: jje@es.aau.dk) or Professor Søren Holdt Jensen (phone: +45 9940 8654, email: shj@es.aau.dk).

Qualification requirements:

Appointment as Postdoc presupposes scientific qualifications at PhD-level or similar scientific qualifications. The research potential of each applicant will be emphasized in the overall assessment. Appointment as a Postdoc cannot exceed a period of four years in total at Aalborg University.

The application must contain the following:

- A motivated text wherein the reasons for applying, qualifications in relation to the position, and intentions and visions for the position are stated.
- A current curriculum vitae.
- Copies of relevant diplomas (Master of Science and PhD). On request you could be asked for an official English translation.
- Scientific qualifications. A complete list of publications must be attached with an indication of the works the applicant wishes to be considered. You may attach up to 5 publications.
- Dissemination qualifications, including participation on committees or boards, participation in organisations and the like.
- Additional qualifications in relation to the position. References/recommendations.
- Personal data.

The applications are only to be submitted online by using the "Apply online" button below.

An assessment committee will assess all candidates.

For further information concerning the application procedure please contact Anne Christoffersen by mail ach@adm.aau.dk or phone (+45) 9940 9680.

Information regarding guidelines, ministerial circular in force and procedures can be seen [here](#).

Workplace

Aalborg

Agreement

Employment is in accordance with the Ministerial Order on the Appointment of Academic Staff at Universities (the Appointment Order) and the Ministry of Finance's current Job Structure for Academic Staff at Universities. Employment and salary are in accordance with the collective agreement for state-employed academics.

Deadline

20/10/2017

Apply online

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**Fortegnelse over bedømmelsesudvalg til
stilling P21737 Postdoc in Wireless Communications for IoT and CPS ved Department of Electronic
Systems**

Navn: Associate Professor Jens Myrup Pedersen
Arbejdssted: Department of Electronic Systems, AAU
E-mail: jens@es.aau.dk

Navn: Associate Professor Carles Manchon
Arbejdssted: Department of Electronic Systems, AAU
E-mail: cnm@es.aau.dk

Akademisk Råd har taget stilling til, at medlemmer af bedømmelsesudvalget er sagkyndige inden for stillingsområdet på et niveau, der mindst svarer til det, der forudsættes for stillingen, dog ikke under lektorniveau.

Postdoc in Wireless Communications for IoT and CPS


 Henrik Pedersen
 dekan

Position No.
P21737

At the Technical Faculty of IT and Design, Department of Electronic Systems, a position as Postdoc in Wireless Communications for Internet-of-Things (IoT) and Cyber Physical Systems (CPS) is open for appointment from 1 December 2017, or as soon as possible thereafter. The fully funded position is available for a period of three years.

The Department of Electronic Systems is one of the largest departments at Aalborg University with a total of more than 250 employees. The department is internationally recognized in particular for its contributions within Information and Communication Technology (ICT). The research and teaching of the Department of Electronic Systems focus on electronic engineering and the activity areas are organized in the sections: Antennas, Propagation and Radio Networking section (APNet), Automation Control section (Control), Signal and Information Processing section (SIP), Wireless Communication Networks section (WCN) and Communication, Media and Information technologies (CMI).

The department focuses on maintaining a close interplay with the university's surroundings - locally, nationally and internationally - as well as producing unique basic research and educating talented and creative engineers. The department collaborates with leading ICT researchers all over the world.

Job description

The main tasks of the successful Postdoc candidate will be related to the research and testing of innovative wireless solutions oriented to support the new Internet-of-Things scenarios. These scenarios can be quite different from one another, depending on the communication requirements:

- Low-cost, low-power and massive number of devices (e.g. LPWAN, WSN).
- Ultra-reliability and low-latency for Cyber Physical Systems (e.g. smart-production oriented to I4.0).

In order to develop the knowledge necessary to design, deploy, and assess the performance of such systems, the candidate is expected to conduct both analytical and empirical work, considering the many different existing or upcoming wireless technologies: LTE, Wifi, Multefire, NB-IoT, Sigfox, LoRa, 5G, etc.

The list of expected activities/topics may include (but is not limited to):

- Channel measurements modeling
- Network planning and optimization
- Performance evaluation
- Development of demonstrators/proof-of-concepts.

The successful candidate holds a PhD within a field related to wireless communications. Furthermore, he/she should be able to demonstrate enough research experience within the aforementioned topics. An excellent research track record is expected.

The project will take place at the Wireless Communications Networks section (WCN), Department of Electronic Systems, Aalborg University. The WCN section conducts research in areas such as radio access technologies, systems, network planning, resilience and quality of service, etc.

You may obtain further information from Professor Preben E. Mogensen (phone: +45 9940 8818, email: pm@es.aau.dk), Department of Electronic Systems.

Qualification requirements:

Appointment as Postdoc presupposes scientific qualifications at PhD-level or similar scientific qualifications. The research potential of each applicant will be emphasized in the overall assessment. Appointment as a Postdoc cannot exceed a period of four years in total at Aalborg University.

The application must contain the following:

- A motivated text wherein the reasons for applying, qualifications in relation to the position, and intentions and visions for the position are stated.
- A current curriculum vitae.
- Copies of relevant diplomas (Master of Science and PhD). On request you could be asked for an official English translation.
- Scientific qualifications. A complete list of publications must be attached with an indication of the works the applicant wishes to be considered. You may attach up to 5 publications.
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- Additional qualifications in relation to the position. References/recommendations.
- Personal data.

The applications are only to be submitted online by using the "Apply online" button below.

An assessment committee will assess all candidates.

For further information concerning the application procedure please contact Anne Christoffersen by mail ach@adm.aau.dk or phone (+45) 9940 9680.

Information regarding guidelines, ministerial circular in force and procedures can be seen [here](#).

Workplace

Aalborg

Agreement

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Deadline

01/10/2017

Apply online

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**Fortegnelse over bedømmelsesudvalg til
stilling P21738 Postdoc in Joint Optimization of Heat and Power Systems ved Department of
Electronic Systems**

Navn: Associate Professor Jan Dimon Bendtsen
Arbejdssted: Department of Electronic Systems, AAU
E-mail: dimon@es.aau.dk

Navn: Professor Jakob Stoustrup
Arbejdssted: Department of Electronic Systems, AAU
E-mail: jakob@es.aau.dk

Akademisk Råd har taget stilling til, at medlemmer af bedømmelsesudvalget er sagkyndige inden for stillingsområdet på et niveau, der mindst svarer til det, der forudsættes for stillingen, dog ikke under lektorniveau.

Postdoc in Joint Optimization of Heat and Power Systems

Position No.

P21738

At the Faculty of Engineering and Science, Department of Electronic Systems a position as postdoc in Joint Optimization of Heat and Power Systems is open for appointment from November 1, 2017 or as soon as possible thereafter. The position is available for 24 months.

The Department of Electronic Systems is one of the largest departments at Aalborg University with a total of more than 250 employees. The department is internationally recognized in particular for its contributions within Information and Communication Technology (ICT). The research and teaching of the Department of Electronic Systems focus on electronic engineering and the activity areas are organized in the sections: Antennas, Propagation and Radio Networking section (APNet), Automation Control section (Control), Signal and Information Processing section (SIP), Wireless Communication Networks section (WCN) and Communication, Media and Information technologies (CMI).

The department focuses on maintaining a close interplay with the university's surroundings - locally, nationally and internationally - as well as producing unique basic research and educating talented and creative engineers. The department collaborates with leading ICT researchers all over the world.

Godkendt d.


Henrik Pedersen

dekan

Job description

We seek to appoint a PostDoc to take part in research and knowledge exchange in the project "Local Heating Concepts for Power Balancing". The research project aims to optimize the synergies between the power system and district heating systems in urban areas. The power system will benefit from improved balancing flexibility targeted towards improved integration of renewables and improved security of supply, whereas the district heating system will benefit from increasing green energy supply and from decreased investment needs.

The project involves partners from the private Energy sector in Denmark as well as Aalborg and Aarhus universities.

The PostDoc's role involves:

- Research into control and optimization of portfolios of diverse power and heat producers/consumers
- Dissemination to project partners and the scientific community
- Leverage of knowledge and experience to strengthen our relationship with our partners in the project

It is presupposed that applicants for the position as PostDoc have research qualifications from a successful PhD study in systems and control or a similar field of research. The applicants must document a record of scientific production at an international level within systems and control.

You may obtain further professional information from Associate Professor Jan Bendtsen, email: dimon@es.aau.dk.

Qualification requirements:

Appointment as Postdoc presupposes scientific qualifications at PhD-level or similar scientific qualifications. The research potential of each applicant will be emphasized in the overall assessment. Appointment as a Postdoc cannot exceed a period of four years in total at Aalborg University.

The application must contain the following:

- A motivated text wherein the reasons for applying, qualifications in relation to the position, and intentions and visions for the position are stated.
- A current curriculum vitae.

- Copies of relevant diplomas (Master of Science and PhD). On request you could be asked for an official English translation.
- Scientific qualifications. A complete list of publications must be attached with an indication of the works the applicant wishes to be considered. You may attach up to 5 publications.
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- Personal data.

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An assessment committee will assess all candidates.

For further information concerning the application procedure please contact Anne Christoffersen by mail ach@adm.aau.dk or phone (+45) 9940 9680.

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Workplace

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Deadline

15/10/2017

Apply online

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**Fortegnelse over bedømmelsesudvalg til
stilling P21739 - Postdoc in control theory ved Department of Electronic Systems**

Navn: Associate Professor Tom Nørgaard Jensen
Arbejdssted: Department of Electronic Systems, AAU
E-mail: tnj@es.aau.dk

Navn: Associate Professor John-Josef Leth
Arbejdssted: Department of Electronic Systems, AAU
E-mail: jjl@es.aau.dk

Akademisk Råd har taget stilling til, at medlemmer af bedømmelsesudvalget er sagkyndige inden for stillingsområdet på et niveau, der mindst svarer til det, der forudsættes for stillingen, dog ikke under lektorniveau.

Postdoc in control theory (P21739)

Position No.

P21739

Godkendt d. Henrik Pedersen
dekan

At the Technical Faculty of IT and Design, Department of Electronic Systems, a position as Postdoc in control is open for appointment from November 1, 2017 or soon hereafter. The position is available for a period of 2 years. The Department of Electronic Systems is one of the largest departments at Aalborg University with a total of more than 250 employees. The department is internationally recognized in particular for its contributions within Information and Communication Technology (ICT). The research and teaching of the Department of Electronic Systems focus on electronic engineering and the activity areas are organized in the sections: Antennas, Propagation and Millimeter wave Systems (APMS), Connectivity (CNT), Automation Control section (Control), Signal and Information Processing section (SIP), Wireless Communication Networks section (WCN) and Communication, Media and Information technologies (CMI). The department focuses on maintaining a close interplay with the university's surroundings - locally, nationally and internationally - as well as producing unique basic research and educating talented and creative engineers. The department collaborates with leading ICT researchers all over the world.

Job description

The position is offered in relation to the research project DeBaTe founded by Independent Research Fund Denmark. The candidate will be a team member of the CPS Group in the Section of Automation & Control comprising two Professors, 3 Associate Professors, 2 Postdocs, 2 PhD students, and 2 industrial PhD students. The background in the Group stretches from mathematics to engineering. Specifically, it covers dynamical systems, topology and algebraic geometry within mathematics, control theory, stochastic systems, and robotics within engineering.

The research will be carried out in control theory. Specifically, the research area comprises of advancing the Lyapunov density theory and devising conditions for stability which are numerically sound and hence can be checked by an algorithm. The aim of the work is to obtain non-conservative conditions for almost sure stability, and to develop optimization method approximating the exact Lyapunov density and find bounds for errors in the computation. Subsequently, the candidate will focus on designing tools for control and safety of nonlinear systems. You may obtain further professional information from professor Rafael Wisniewski by mail raf@es.aau.dk or phone (+45) 9940 8762.

Qualification requirements:

Appointment as Postdoc presupposes scientific qualifications at PhD-level or similar scientific qualifications. The research potential of each applicant will be emphasized in the overall assessment. Appointment as a Postdoc cannot exceed a period of four years in total at Aalborg University.

The application must contain the following:

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- A current curriculum vitae.
- Copies of relevant diplomas (Master of Science and PhD). On request you could be asked for an official English translation.
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- Additional qualifications in relation to the position. References/recommendations.
- Personal data.

The applications are only to be submitted online by using the "Apply online" button below.

An assessment committee will assess all candidates.

For further information concerning the application procedure please contact Dini Boer by mail EST-ST-HR@adm.aau.dk or phone (+45) 9940 7307.

Information regarding guidelines, ministerial circular in force and procedures can be seen [here](#).

Workplace

Aalborg

Agreement

Employment is in accordance with the Ministerial Order on the Appointment of Academic Staff at Universities (the Appointment Order) and the Ministry of Finance's current Job Structure for Academic Staff at Universities. Employment and salary are in accordance with the collective agreement for state-employed academics.

Deadline

24/10/2017

Apply online

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