Den 29. maj 2017

Det Tekniske Fakultet for IT og Design
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Skriftlig høring TECH Akademisk Råd pr. 31. maj 2017

1.	**Indstilling vedr. sammensætning af sagkyndigt udvalg vedr. professor stillingen i:** A. "Information Theory and Signal Processing" ved Institut for Elektroniske Systemer (stilling 50121) **Bilag 310517-1**
2.	**Indstilling vedr. sammensætning af sagkyndigt udvalg vedr. adjunkt stillingen i:** A. "Urban Design" ved Institut for Arkitektur og Medieteknologi (stilling 201718) **Bilag 310517-2**
3.	**Indstillinger vedr. sammensætning af sagkyndige udvalg vedr. postdoc stillingerne i:** A. "Intelligent Recognition Technologies" ved Institut for Arkitektur og Medieteknologi (stilling P21715) B. "Computer Science" ved Institut for Datalogi (stilling P21716) C. "Geoinformatics" ved Institut for Planlægning (stilling P21718) **Bilag 310517-3**

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 50121 Professor with Specific Responsibilities in Information Theory and Signal Processing.
ved Department of Electronic Systems**

Navn: Professor Bernard Fleury
Arbejdssted: Institut for Elektroniske Systemer, AAU
E-mail:

Navn: Professor Mikael Skoglund
Arbejdssted: KTH Royal Institute of Technology, Stockholm
E-mail:

Navn: Professor Steven van der Par
Arbejdssted: Department of Medical Physics and Acoustic, Oldenburg University, Tyskland
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 Information Theory and Signal Processing.

Position No.
50121

At the Technical Faculty of IT and Design, Department of Electronic Systems, a position as Professor with Special Responsibilities in Information Theory and Signal Processing 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 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 Signal and Information Processing section seeks to appoint a full-time Professor who, as a special responsibility, should head, guide and further develop the section's research activities related to acoustic signal- and information processing. The applicant is expected to have research qualifications at the doctoral level within acoustic signal- and information processing, and in particular, the position requires internationally recognized research experience in the following engineering domains;

- Statistical signal processing
- Acoustic signal processing
- Speech and audio processing
- Information theory
- Real-time signal- and information-processing
- Distributed information processing
- Information processing in feedback systems

The position requires experience and involvement in management of large research projects with many contributing academic and industrial partners, supervision of PhD students and post-docs, as well as maintenance of and cooperation in national and international academic networks. The Professor is expected to conduct dissemination of research results to and initiate cooperation with industry in order to strengthen relations with local, national, and international private company partners.

Furthermore, the position involves preparation of research funding applications as well as teaching and assessment of undergraduate and graduate students. Primarily, the teaching will be in domains such as Signal Processing, Acoustics and Audio, as well as Math Technology but may also be conducted in other study programs at the University.

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 Assoc. Professor Peter Koch, email pk@es.aau.dk or phone (+45) 9940 8696.

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
16/06/2017

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.

CVMikael Skoglund, Professor

Dr. Skoglund received the Ph.D. degree in 1997 from Chalmers University of Technology, Göteborg, Sweden. He was appointed Docent in Signal Processing in February 2001 and Professor of Communication Theory in October 2003, both at KTH.

He joined the Dept. of Signals Sensors and Systems, KTH, in August 1997. Here he became Assistant Professor (forskarassistent) in March 1998 and Associate Professor (universitetslektor) in October 2001. He was then appointed to the Chair in Communication Theory in October 2003.

Skoglund heads the dept. of information science and engineering at KTH, and he is vice dean of the school of electrical engineering He is also a founding faculty member of the ACCESS Linnaeus Center and the director of the ACCESS graduate school.

During 2003-09 he was an associate editor for IEEE Trans. on Communications and during 2009-12 he was on the editorial board for IEEE Trans. on Information Theory.

Research interests: Information theory, communications, signal processing, networks

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KTH Royal Institute of Technology Osquldas väg 10, Room A:415
100 44 Stockholm, Sweden

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Personal web-page: people.kth.se/~skoglund   **Fax**: +46 8 790 7260
KTH profile page: www.kth.se/profile/skoglund

List of Publications (Google Scholar)

Research Projects

Present Postdocs

- Ehsan Nekouei
  - Graduated from: Univ. Melbourne
  - Co-supervised with: K. H. Johansson
- Hadi Ghauch
  - (Former Ph.D. student)
- Antonios Pitarokoilis

- o Graduated from: Linköping Univ.
- Germán Bassi
  - o Graduated from: Supélec
- Qiwen Wang
  - o Graduated from: Chinese Univ. Hong Kong
- Takashi Tanaka
  - o Graduated from: UIUC
  - o Co-supervised with: K. H. Johansson, H. Sandberg

Former Postdocs

1. Moritz Wiese, 2015-16
   - o Graduated from: TU Munich
   - o Co-supervised with: K. H. Johansson, P. Papadimitratos, T. Oechtering
2. Jinfeng Du, 2013-15
   - o Graduated from: KTH
   - o VR postdoc at MIT, hosted by Médard (MIT) and Skoglund
   - o Present affiliation: Nokia/Lucent Bell-Labs, NJ
3. Somayeh Salimi, 2011-14
   - o Graduated from: Sharif, Teheran
   - o Present affiliation: KTH
4. Mikko Vehkaperä, 2010-13
   - o Graduated from: NTNU
   - o Present affiliation: Univ. Sheffield
   - o Co-supervised with: L. K. Rasmussen, E. Aurell
5. Taejoon Kim, 2012
   - o Graduated from: Purdue
   - o Present affiliation: City Univ. Hong Kong
6. Chao Wang, 2009-12
   - o Graduated from: Univ. Edinburgh
   - o Present affiliation: Tongji University, Shanghai
7. Saikat Chatterjee, 2009-12
   - o Graduated from: IISc
   - o Present affiliation: KTH
8. Vishwambhar Rathi, 2009-10
   - o Graduated from: EPFL
   - o Present affiliation: NVIDIA, Bristol
   - o Co-supervised with: L. K. Rasmussen, E. Aurell
9. Tobias Oechtering, 2008-10
   - o Graduated from: TU Berlin
   - o Present affiliation: KTH
10. Ming Xiao, 2007-8
    - o Graduated from: Chalmers
    - o Present affiliation: KTH
11. Ragnar Thobaben, 2007-8

- o Graduated from: TU Kiel
- o Present affiliation: KTH

Present Ph.D. Students

- [Sina Molavipour](#)
- [Hasan Basri Çelebi](#)
- Johan Furuskog
  - o Industrial Ph.D., Ericsson

I am also co-advisor for the following students.

- Alireza Mahdavi Javid (main advisor: Saikat Chatterjee)
- Xinyue Liang (main advisor: Saikat Chatterjee)
- Peter Larsson (main advisor: Lars Rasmussen)
- Minh Tanh Vu (main advisor: Tobias Oechtering)
- Phoung Le Cao (main advisor: Tobias Oechtering)
- Sebastian Shiessl (main advisor: James Gross)

Former Ph.D. Students as Main Advisor

1. [Hadi Ghauch](#)
   - o Ph.D. degree received in November 2016
   - o Thesis title: [Optimization Techniques for Future Cellular Systems](#)
2. Tan Tai Do
   - o Ph.D. degree received in November 2015
   - o Thesis title: [Fundamental Limits in Wireless Wideband Networking](#)
   - o Present affiliation: Ericsson Research (Lund)
3. Efthymios Stathakis
   - o Ph.D. degree received in September 2015
   - o Thesis title: [On Interference Management with Incomplete Side Information](#)
   - o Present affiliation: Ericsson Research (Stockholm)
4. Zhao Wang
   - o Ph.D. degree received in May 2015
   - o Thesis title: [Interference Alignment with Imperfect Channel Knowledge and Secrecy Constraints](#)
   - o Present affiliation: Ericsson Research (Stockholm)
5. Sheng Huang
   - o Ph.D. degree received in March 2015
   - o Thesis title: [Linear Coding, Applications and Supremus Typicality](#)
   - o Present affiliation: Nordea, Copenhagen
6. Hamed Farhadi

- o Ph.D. degree received in December 2014
- o Thesis title: [Coordinated Transmission for Wireless Interference Networks](#)
- o Present affiliation: Ericsson Research (Stockholm)
7. Frédéric Gabry
    - o Ph.D. degree received in November 2014
    - o Thesis title: [Secrecy in Cognitive Radio Networks](#)
    - o Present affiliation: Huawei Math and Alg Lab (Paris)
8. Kittipong Kittichokechai
    - o Ph.D. degree received in June 2014
    - o Thesis title: [Communication with Reconstruction and Privacy Constraints](#)
    - o Present affiliation: Ericsson Research (Stockholm)
9. Dennis Sundman
    - o Ph.D. degree received in May 2014
    - o Thesis title: [Greedy Algorithms for Distributed Compressed Sensing](#)
    - o Present affiliation: Ericsson Research (Stockholm)
10. Amirpasha Shirazinia
    - o Ph.D. degree received in April 2014
    - o Thesis title: [Source and Channel Coding for Compressed Sensing and Control](#)
    - o Present affiliation: Uppsala Univ. (Uppsala)
11. Mattias Andersson
    - o Ph.D. degree received in April 2014
    - o Thesis title: [Coding and Transmission Strategies for Secrecy](#)
    - o Present affiliation: Ericsson Research (Stockholm)
12. Ali Abbas Zaidi
    - o Ph.D. degree received in November 2013
    - o Thesis title: [Sensing and Control of Dynamical Systems Over Networks](#)
    - o Present affiliation: Ericsson Research (Stockholm)
13. Ricardo Blasco Serrano
    - o Ph.D. degree received in November 2013
    - o Thesis title: [On Compression and Coordination in Networks](#)
    - o Present affiliation: Ericsson Research (Stockholm)
14. Hieu Do
    - o Ph.D. degree received in October 2013
    - o Thesis title: [Fundamental Aspects of Cooperative Interference Management](#)
    - o Present affiliation: Ericsson Research (Stockholm)
15. Nicolas Schrammar
    - o Ph.D. degree received in June 2013
    - o Thesis title: [On Deterministic Models for Gaussian Networks](#)
    - o Present affiliation: Ericsson (Stockholm)
16. Zhongwei Si
    - o Ph.D. degree received in January 2013
    - o Thesis title: [Structured LDPC Convolutional Codes](#)
    - o Present affiliation: Beijing Univ. Post Telecom (Beijing)
17. Jinfeng Du
    - o Ph.D. degree received in November 2012
    - o Thesis title: [Cooperative Strategies in Multi-Terminal Wireless Relay Networks](#)
    - o Present affiliation: Lucent/Nokia Bell Labs, NJ
18. Majid Khormuji

- o Ph.D. degree received in September 2011
- o Thesis title: [Coding schemes for relay networks](#)
- o Present affiliation: Huawei (Stockholm)
19. Johannes Kron (formerly Karlsson)
    - o Ph.D. degree received in May 2011
    - o Thesis title: [Low-delay sensing and transmission](#)
    - o Present affiliation: Tobii (Stockholm)
20. Sha Yao
    - o Ph.D. degree received in March 2011
    - o Thesis title: [Relaying Without Decoding](#)
    - o Present affiliation: Shanghai Research Center for Wireless Comms (Shanghai)
21. Lei Bao
    - o Ph.D. degree received in June 2009
    - o Thesis title: [Control over Low-Rate Noisy Channels](#)
    - o Present affiliation: Ericsson (Göteborg)
22. Niklas Wernersson
    - o Ph.D. degree received in June 2008
    - o Thesis title: [Source-Channel Coding in Networks](#)
    - o Present affiliation: Ericsson Research (Stockholm)
23. Tung Kim
    - o Ph.D. degree received in June 2008
    - o Thesis title: [Limited Feedback Information in Wireless Networks](#)
    - o Present affiliation: Morgan Stanley (Manhattan)
24. Tomas Andersson (formerly Sköllermo)
    - o Lic. Eng. degree received in June 2006
    - o Thesis title: [On error-robust source coding with image coding applications](#)
    - o Present affiliation: Ericsson (Stockholm)
25. Jochen Giese
    - o Ph.D degree received in October 2005
    - o Thesis title: [Constellation Design under Channel Uncertainty](#)
    - o Present affiliation: PII Pipeline Solutions (Mannheim)

Former Ph.D. Students as Co-Advisor

1. Majid Gerami (main advisor: Ming Xiao)
   - o Ph.D. degree received in October 2016
   - o Thesis title: [Coding, computing and communication in distributed storage systems](#)
   - o Present affiliation: Ericsson Research (Stockholm)
2. Leefke Grosjean (main advisor: Lars K. Rasmussen)
   - o Ph.D. degree received in May 2016
   - o Thesis title: [Practical Anytime Codes](#)
   - o Present affiliation: Ericsson Research (Stockholm)
3. Joakim Jaldén (main advisor: B. Ottersten)
   - o Ph.D degree received in December 2006

- Thesis title: Detection for Multiple Input Multiple Output Channels
- Present affiliation: KTH
4. Henrik Lundin (main advisor: P. Händel
    - Ph.D degree received in December 2005
    - Thesis title: [Characterization and Correction of Analog-to-Digital Converters](#)
    - Present affiliation: Google (Stockholm)
5. Tomas Andersson (main advisor: P. Händel)
    - Ph.D degree received in June 2005
    - Thesis title: [Parameter Estimation and Waveform Fitting for Narrowband Signals](#)
6. George Jöngren (main advisor: B. Ottersten)
    - Ph.D. degree received in June 2003
    - Thesis title: [Utilizing Channel State Information in Space-Time Coding - Performance Limits and Transmission Techniques](#)
    - Present affiliation: Ericsson Research (Stockholm)

Teaching

Courses I teach or have taught include

- EQ2310 Digital Communications (senior undergraduate)
- EQ2410 Communication Theory, Advanced Course (senior undergraduate)
- [EQ2840/F2E5316 Information Theory](#) (senior undergraduate and graduate)
- EQ2830/F2E5634 Detection Theory (senior undergraduate and graduate)
- EQ2850/F2Exxxx Coding for Wireless Communications (senior undergraduate and graduate)
- [EQ2860/F2E5323 Theoretical Foundations of Wireless Communications](#) (graduate)
- [FEO3230 Probability and Random Processes](#) (graduate)
- [FEO3340 Quantum Information Theory](#) (graduate)

Publications of Mikael Skoglund (siden 2010)

Journal Papers, published/accepted

1. J. Karlsson and M. Skoglund, "Optimized low-delay source-channel-relay mappings," *IEEE Transactions on Communications*, vol. 58, no. 5, pp. 1397-1404, May 2010.
2. T. T. Kim and M. Skoglund, "On the DMT-optimality of non-dynamic DF relaying in asymmetric Nakagami fading Channels," *IEEE Transactions on Information Theory*, vol. 56, no. 7, pp. 3304-3309, July 2010.
3. M. Khormuji and M. Skoglund, "On instantaneous relaying," *IEEE Transactions on Information Theory*, vol. 56, no. 7, pp. 3378-3394, July 2010.
4. M. Khormuji, A. Zaidi and M. Skoglund, "Interference management using nonlinear relaying," *IEEE Transactions on Communications*, vol. 58, no. 7, pp. 1924-1930, July 2010.
5. S. Yao and M. Skoglund, "Analog network coding mappings in Gaussian mutiple-access relay channels," *IEEE Transactions on Communications*, vol. 58, no. 7, pp. 1973-1983, July 2010.
6. M. Andersson, V. Rathi, R. Thobaben, J. Kliewer and M. Skoglund, "Nested polar codes for wiretap and relay channels," *IEEE Communication Letters*, vol. 14, no. 8, pp. 752-754, August 2010.
7. J. Karlsson and M. Skoglund, "Design and performance of optimized relay mappings," *IEEE Transactions on Communications*, vol. 58, no. 9, pp. 2718-2724, September 2010.
8. M. Xiao and M. Skoglund, "Multiple-user cooperative communications based on linear network coding," *IEEE Transactions on Communications*, vol. 58, no. 11, pp. 3345-3351, November 2010.
9. C. Wang, Y. Fan, J. S. Thompson, M. Skoglund, and H. V. Poor, "Approaching the optimal diversity-multiplexing tradeoff in a four-node uplink cooperative cellular network," *IEEE Transactions on Wireless Communications*, vol. 9, no. 12, pp. 3690-3700, December 2010.
10. V. Rathi, E. Aurell, L. Rasmussen and M. Skoglund, "Bounds on threshold of regular random k-SAT," *Lecture Notes in Computer Science*, vol. 6175, pp. 264-277, 2010
11. L. Bao, M. Skoglund and K. H. Johansson, "Iterative encoder-controller design for feedback control over noisy channels," *IEEE Transactions on Automatic Control*, vol. 56, no. 2, pp. 265-278, February 2011.
12. C. Wang, M. Xiao and M. Skoglund, "Diversity-multiplexing tradeoff analysis of coded multi-user relay networks," *IEEE Transactions on Communications*, vol. 59, no. 7, pp. 1995-2005, July 2011.
13. J. Du, E. G. Larsson, M. Xiao and M. Skoglund, "Optimal symbol-by-symbol Costa precoding for a relay-aided downlink channel," *IEEE Transactions on Communications*, vol. 59, no. 8, pp. 2274-2284, August 2011.
14. J. Kron, D. Persson, M. Skoglund and E. G. Larsson, "Closed-form sum-MSE minimization for the two-user Gaussian MIMO broadcast channel," *IEEE Communication Letters*, vol. 15, no. 9, pp. 950-592, September 2011.
15. J. Du, M. Xiao and M. Skoglund, "Cooperative network coding strategies for wireless relay networks with backhaul," *IEEE Transactions on Communications*, vol. 59, no. 9, pp. 2502-2514, September 2011.
16. S. Shi, E. G. Larsson and M. Skoglund, "Codebook design and hybrid digital/analog coding for parallel Rayleigh fading channels," *IEEE Transactions on Signal Processing*, vol. 59, no.

10, pp. 5091-5096, October 2011.

17. S. Chatterjee, D. Sundman, M. Vekhaperä and M. Skoglund, "Projection and look ahead based strategies for atom selection," *IEEE Transactions on Signal Processing*, vol. 60, no. 2, pp. 634-647, February 2012.

18. D. Persson, J. Kron, M. Skoglund and E. G. Larsson, "Joint source-channel coding for the MIMO Broadcast Channel," *IEEE Transactions on Signal Processing*, vol. 60, no. 4, pp. 2085-2090, April 2012

19. Z. Si, R. Thobaben and M. Skoglund, "Rate-compatible LDPC convolutional codes achieving the capacity of the BEC," *IEEE Transactions on Information Theory*, vol. 58, no. 6, pp. 4021-4029, June 2012

20. L. Bao, C. Fischione, M. Skoglund and K. H. Johansson, "Rate allocation with power constraints for quantized control over binary symmetric channels," *IEEE Transactions on Signal Processing*, vol. 60, no. 6, pp. 3188-3202, June 2012.

21. N. Schrammar and M. Skoglund, "Transmission strategies for wireless relay networks obtained from linear finite-field deterministic models," *IEEE Transactions on Communications,* vol. 60, no. 8, pp. 2167-2176, August 2012.

22. C. Wang, H. Farhadi and M. Skoglund, "Achieving the degrees of freedom of wireless multi-user relay networks," *IEEE Transactions on Communications*, vol. 60, no. 9, pp. 2612-2622, September 2012.

23. P. A. Floor, A. N. Kim, N. Wernersson, T. A. Ramstad, M. Skoglund and I. Balasingham, "Zero-delay joint source-channel coding for a bivariate Gaussian on a Gaussian MAC," *IEEE Transactions on Communications*, vol. 60, no. 10, pp. 3091-3102, October 2012.

24. M. Khormuji and M. Skoglund, "Capacity of two semideterministic classes of multiple-access relay channels," *IEEE Communication Letters*, vol. 16, no. 10, pp. 1529-1531, October 2012.

25. R. Blasco Serrano, V. Rathi, M. Andersson, R. Thobaben and M. Skoglund, "Polar codes for cooperative relaying," *IEEE Transactions on Communications*, vol. 60, no. 11, pp. 3263-3273, November 2012.

26. D. Persson, E. G. Larsson and M. Skoglund, "Joint source-channel decoding over MIMO channels based on partial marginalization," *IEEE Transactions on Communications*, vol. 60, no. 12, pp. 6734-6739, December 2012.

27. M. Khormuji and M. Skoglund, "Capacity bounds and mapping design for binary symmetric relay channels," *MDPI Entropy*, vol. 14, no. 12, pp. 2589-2610, December 2012.

28. M. Xiao, J. Kliewer and M. Skoglund, "Design of network codes for multiple-user multiple-relay wireless networks," *IEEE Transactions on Communications*, vol. 60, no. 12, pp. 3755-3766, December 2012.

29. T. Oechtering and M. Skoglund, "Bidirectional broadcast channel with random states non-causally known at the encoder," *IEEE Transactions on Information Theory*, vol. 59, no. 1, pp. 64-75, January 2013.

30. V. Rathi, M. Andersson, R. Thobaben, J. Kliewer and M. Skoglund, "Performance analysis and design of two edge type LDPC codes for the BEC wiretap channel," *IEEE Transactions on Information Theory*, vol. 59, no. 2, pp. 1048-1064, February 2013.

31. S. Yao, T. Kim, M. Skoglund and H. V. Poor, "Half-duplex relaying over slow fading channels based on quantize-and-forward," *IEEE Transactions on Information Theory*, vol. 59, no. 2, pp. 860-872, February 2013.

32. H. Do, T. Oechtering and M. Skoglund, "On asymmetric interference networks with cooperating receivers," *IEEE Transactions on Communications,* vol. 61, no. 2, pp. 554-563, February 2013.

33. E. Stathakis, M. Skoglund and L. Rasmussen, "On beamforming and orthogonal space-time coding in cognitive networks with partial CSI," *IEEE Transactions on Communications,* vol. 61, no. 3, pp. 961-972, March 2013.

34. Z. Wang, M. Xiao, C. Wang and M. Skoglund, "Degrees of freedom of multi-hop MIMO broadcast networks with delayed CSIT," *IEEE Wireless Communication Letters*, vol. 2, no. 2, pp. 207-210, April 2013.

35. M. Khormuji, A. El Gamal and M. Skoglund, "The state-dependent relay channel: Achievable rates and capacity of a semi-deterministic class," *IEEE Transactions on Information Theory*, vol. 59, no. 5, pp. 2629-2638, May 2013.

36. R. Blasco Serrano, J. Lv, R. Thobaben, E. Jorswieck and M. Skoglund "Multi-antenna transmission for underlay and overlay cognitive radio with explicit message learning phase," *EURASIP Journal on Wireless Communications and Networking,* 2013:195, doi:10.1186/1687-1499-2013-195, July 2013

37. J. Du, M. Xiao, M. Skoglund and M. Medard, "Wireless multicast relay networks with limited-rate source-conferencing," *IEEE Journal of Selected Areas in Communications,* vol. 31, no. 8, pp. 1390-1401, August 2013.

38. Z. Si, R. Thobaben and M. Skoglund, "Bilayer LDPC convolutional codes for decode-and-forward relaying," *IEEE Transactions on Communications*, vol. 61, no. 8, pp. 3086-3099, August 2013.

39. A. Zaidi, S. Yüksel, T. Oechtering and M. Skoglund, "On optimal policies for control and estimation over Gaussian relay channels," *Automatica*, vol. 49, no. 9, pp. 2892-2897, September 2013.

40. S. Salimi, M. Skoglund, J. Golic, M. Salmasizadeh, and M. Reza Aref, "Key agreement over generalized multiple access channels using noiseless and noisy feedback," *IEEE J-SAC,* vol. 31, no. 9, pp. 1765-1778, September 2013.

41. M. Andersson, R. Schaefer, T. Oechtering and M. Skoglund, "Polar coding for bidirectional broadcast channels with common and confidential messages," *IEEE J-SAC,* vol. 31, no. 9, pp. 1901-1908, September 2013.

42. T. T. Do, T. Oechtering and M. Skoglund, "Optimal transmission for the MIMO bidirectional broadcast channel in the wideband regime," *IEEE Transactions on Signal Processing,* vol. 61, no. 20, pp. 5103-5116, October 2013.

43. A. Shirazinia, S. Chatterjee and M. Skoglund, "Analysis-by-synthesis quantization for compressed sensing measurements," *IEEE Transactions on Signal Processing*, vol. 61, no. 22, pp. 5789-5800, November 2013.

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[Acoustics](#)

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Research Areas

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Curriculum vitae

since 2010	University Professor and head of the Acoustics group at the Institute of Physics at the Carl-von-Ossietzky University in Oldenburg, Germany.
2009 - 2010	Principal Scientist at Philips Research Europe in the Digital Signal Processing Group
2000 - 2009	Senior Scientist at Philips Research Europe in the Digital Signal Processing Group
1998 - 2000	Postdoc at the Institute for Perception Research (IPO) in Eindhoven studying the perception of auditory-visual synchrony.
1994 - 1998	Ph.D. project titled: "A comparison of binaural detection at low and high frequencies."
1985 - 1992	Study in physics at the Eindhoven University of Technology

Publications

full publication list as pdf

Journal articles

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**Fortegnelse over bedømmelsesudvalg til
stilling 201718 Assistant Professor in Urban Design ved Department of Architecture, Design and
Media Technology**

Navn: Associate Professor Lea Louise Holst Laursen
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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 Urban Design

Godkendt d. 23-5-17

Eskild Holm Nielsen
dekan

Position No.
201718

At the Technical Faculty of IT and Design, Department of Architecture, Design and
Media Technology a position as Assistant Professor in Urban Design is open for
appointment from October 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
Within the urban design research field at Aalborg University, the position is related to
the research area of 'Transformation: landscapes, spaces and architecture'. This area
deals with the transformation of the built environment into new urban futures with the
goal of contributing to the making of future urban spaces, architecture and landscapes
through a critical, social-minded urban design research.

Key areas of interest for the research field: urban and rural landscapes; site-specific
urban development; relational and process-based territorial approaches; urban
mapping methodologies; place theory.

Applicant profile

The applicant should be willing to enter into a collaborative research and teaching
environment with an interdisciplinary approach. The candidate is a younger urban
design researcher with a relevant background in urban design, architecture, or
landscape architecture. The candidate has research experience with urban design
theories and methodologies. Further, the candidate has competencies within the design
of the urban environment, thus, exploring the combination of designing and research.
Job description.

The applicant will be part of an ambitious research and teaching environment. The
position will contain teaching obligations in relation to programs related to urban
design. It is expected that the candidate will participate in the further development of
the research field in a collaborator way, and actively will contribute to the research
within in the area of urban design.

You may obtain further professional information from Lea Louise Holst Laursen, mail:
llhl@create.aau.dk, tel.: +45 9940 7174

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.

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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.

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Curriculum Vitae, Anne Tietjen

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Summary

Anne Tietjen is an architect, PhD and Associate Professor at the Section for Landscape Architecture and Planning. Her research focuses on the intersection of landscape architecture, urban design and urban planning. She specialises in the transformation, preservation and development of existing built environments and landscapes. Questions about how to evaluate, communicate, and activate place-specific qualities and resources through design are central to her work. Her research draws on and contributes to a growing body of relational design theory and method, specifically based on new materialism and actor-network theory. Key words are strategic planning, heritage-led development and research by design.

Education

The Aarhus School of Architecture, Denmark
PhD degree in Architecture
18 December 2009

Technical University Berlin, Germany
Graduate engineer (Architecture)
31 October 1996

École Supérieure Nationale d'Architecture de Lyon, France
Erasmus scholarship
1991-1992

Employment

Since 2016	Associate Professor, Section for Landscape Architecture and Planning, Department of Geosciences and Natural Resource Management, University of Copenhagen
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2010-2011	External lecturer, Forestry, landscape and planning, University of Copenhagen
2005-2009	PhD student, Aarhus School of Architecture
2003-2005	External lecturer, Department of Art and Cultural Studies, University of Copenhagen
2004-2005	Architect, Hvidt & Mølgaard, København
2002-2003	Architect, MAMdesign (Merete Ahnfeldt-Mollerup), København
2001-2002	Architect, Juul Frost Arkitekter, København
1999-2001	Architect, Dissing + Weitling Architectfirma a/s, København
1999	Architect, Thora a/s, København
1998	Architect, Philip Rasmussen arkitekter og landskabsarkitekter, København
1997	Architect, Machleidt + Partner, Büro für Städtebau, Berlin, Tyskland

Research projects

2016-2019   **Reconfiguring Welfare Landscapes** about the future of the open spaces of Danish postwar social housing estates. 3-years research project with 4 senior researchers and 3 PhD projects (funded by DFF).

2016-2019   **Demosspace.** International research project on democratic public space together with NMBU, Malmö University and The Bartlett School of Planning, London (funded by the Norwegian Research Council).

2012-2016   **Developing place-based potential: A new approach to strategic planning in peripheral rural areas in Denmark.** Postdoc in collaboration with Professor Gertrud Jørgensen, Department of Geosciences and Natural Resource Management, University of Copenhagen (funded by Realdania)

2015   **Fremtidens Landskaber** (Future Landscapes). Research and Development programme, Department of Geosciences and Natural Resource Management, University of Copenhagen in collaboration with 11 Danish municipalities. I contributed with strategic landscape projects for North Bornholm developed together with students in the framework of the Transformation Studio 2015.

2012-2013   **Stationsbyer i dag** (Station towns today). Multidisciplinary research project at the Centre for Strategic Urban Research (commissioned by Realdania). I contributed with perspectives from Germany.

2009-2010   **Forstadens Bygningskultur: På sporet af velfærdsforstadens bevaringsværdier** (Suburban building culture 1945-1989: Uncovering heritage values in the welfare suburbs). Project manager of and main contributor to the multidisciplinary research project at Dansk Bygningsarv A/S (commissioned by Realdania)

2005-2009   **Towards an urbanism of entanglement: Site explorations in polarised Danish urban landscapes.** PhD project, Aarhus School of Architecture.

2003-2007   **Christiania: Veje til bevaringsstrategier for et anderledes byrum** (Christiania: Towards preservation strategies for an alternative urban space). Multidisciplinary research project initiated and led together with the art historian Svava Riesto at the Department of Art and Cultural Studies, University of Copenhagen (funded by Realdania, Dreyer Fonden, Politikenfonden).

Recent professional practise

2016-17   **Amtssygehus Århus,** strategic development plan for the transformation of the former county hospital into a city district of Århus. Consultant to the project team Tegnestuen Vandkunsten.

2015   **Blågårdsvisionen** (Blågårds vision), facilitation of a public participation process leading to a development vision and idea catalogue for the open spaces around the social housing area Blågården in Nørrebro, Copenhagen. Consultant to Rubow architects.

2015   **Blågårdsvisionen** (Blågårds vision), facilitation of a public participation process leading to a development vision and idea catalogue for the open spaces around the social housing area Blågården in Nørrebro, Copenhagen. Consultant to Rubow architects.

2014   **Fremtidens Fredensborg** (Future Fredensborg), an urban development strategy based on cultural heritage for the town of Fredensborg. Consultant to the project team Tegnestuen Vandkunsten.

2013   **Malmö Sjukhusområde** (Malmö hospital area), development project for Malmö hospital, Sweden. Consultant to the project team Tegnestuen Vandkunsten.

2012-2013   **Frederiksværk stålsatte byrum** (Frederiksværk steely urban spaces), an open space development strategy based on industrial heritage for the town of Frederiksværk. Member of the expert panel which informed the development of the competition programme.

2012-2013	**Fremtidens Forstæder** (Future Suburbs). Advisor on heritage issues to the jury of two architecture competitions *Hersted Industripark i Albertslund* and *Farum i udvikling* in the framework of the initiative Fremtidens Forstæder, funded by Realdania.
2012-2013	**Steder i landskabet: FUR** (Places in the landscape: FUR), a landscape design project for a visitor's area in the coquina landscape around Klintehoved on the island of Fur. Consultant to Leth and Gori architects.
2011	**Architectural and cultural historical values in Rødovre**: survey, mapping and strategy development. Team member at Dansk Bygningsarv A/S
2011	**Europan 11**. Member of the Danish Jury of the European urban development competition

Positions of trust

Since 2017	Chairman of the bibliometric research indicator (BFI) group Architecture, Design, Product Development and Urban Planning for the Danish Ministry of Higher Education and Science
Since 2013	Research Committee, Department of Geosciences and Natural Resource Management, University of Copenhagen
Since 2015	Reviewer for the Journal of Urban Forestry and Greening (UFUG)
2014-2015	Co-editor of a Special issue on "Nordic Encounters: Travelling ideas about planning and open space design" in The Nordic Journal of Architectural Research (following up on the World in Denmark conference 2014 which was arranged by the research group Landscape Architecture and Urbanism, University of Copenhagen)
2014	Ny Nordisk Planlægning (New Nordic Planning), invited expert at a workshop arranged by the Nordic Architecture Associations, Oslo, June 2014.
2011	Reviewer of the research anthology *Space for Urban Alternatives? Christiania 1971-2011* (Thörn H., Wasshede C., Nilson T., eds.)
2006-2009	DKAD: Danske forskerskoler i Arkitektur og Design (The Danish Schools for Research in Architecture and Design), member of the board.

Grants and fellowships

2016	Reconfiguring Welfare Landscapes, 3-years research project, Danish Independent Research Council, DKK 6,4 million, co-applicant
2014	Guest professorship grant for Andrea Kahn, Centre for Strategic Urban Research, €1500, main applicant
2013	Guest professorship grant for Andrea Kahn, Centre for Strategic Urban Research, €1500, co-applicant
2012	Post.doc. grant Developing place-based potential, Realdania, €160,000.
2010	Publication funding for Towards an Urbanism of Entanglement, Centre for Strategic Urban Research, €4000.
2010	Publication funding for Towards an Urbanism of Entanglement, The Aarhus School of Architecture, €2000.
2006	Publication funding for Forankring i Forandring, Realdania, €6600, co-applicant
2006	Publication funding for Forankring i Forandring, Dreyer Foundation, €13,400, co-applicant
2006	Publication funding for Forankring i Forandring, Politiken Foundation €1300 EUR, co-applicant
2006	Travel grant for the conference International Forum on Urbanism (IFoU) at the Tsinghua University, Beijing. Dreyer fonden, €1300.
2003	Research funding for Christiania – Veje til bevaringsstrategier for et anderledes byrum, Politiken Foundation €1300 EUR, co-applicant

Affiliations

| Since 2015 | Scandinavian research network for welfare and architecture |
| Since 2013 | UNISCAPE (European Network of Universities for the Implementation of the European |

	Landscape Convention) (www.uniscape.eu), representative of the Department of Geosciences and Natural Resource Management, University of Copenhagen
Since 2013	NORDES (Nordic Design Research) network (www.nordes.org)
Since 2005	The Centre for Strategic Urban Research (www.byforskning.dk), a research network between the Department of Geography and Geology, University of Copenhagen; the Platform Urban Landscapes, Aarhus School of Architecture; and the Department of Architecture, Design & Media Technology, Aalborg University
Since 1999	Member of the Danish Architects' Association

Languages

German (first language)

Danish (fluent, written and spoken)

English (fluent, written and spoken)

French (good, written and spoken)

Publications, Anne Tietjen

Journal articles

1. **Tietjen A.,** Riesto S. & Haddad R. (forthcoming July 2017). Critiquing What Spatial Design Does at Superkilen. *CRIOS (Critique of Spatial Orderings), Volume 1, 2017.*

2. **Tietjen A.** (forthcoming May 2017). Found in Translation: Working with Actor-Network Theory in Design Education, *The Nordic Journal of Architectural Research*, *Special Issue on "Transforming Site Methodologies".*

3. **Tietjen A.** & Jørgensen G. (2016). Translating a wicked problem: A strategic planning approach to rural shrinkage in Denmark. *Journal of Landscape and Urban Planning,*
http://dx.doi.org/10.1016/j.landurbplan.2016.01.009

4. Braae E. & **Tietjen A.** (2011). Constructing Sites on a Large Scale: Towards New Design (Education) Methods. Nordic – Journal of Architecture, 1(1), 64-71.

   In preparation:
   Tietjen A., Jørgensen G. There is more to it than meets the eye: Strategic design in the context of rural decline, submitted to Transactions of Aesop.

   Carmona M., Hanssen G.S., Lamm B., Nylund K., Saglie I.L., **Tietjen A.** Public Space in an Age of Austerity.

   Tietjen A., Lamm B., Sirowy B. & Parker P. Towards a framework for assessing democratic qualities of public space design: The case of Superkilen, Denmark.

Books and book chapters

5. Riesto S., & **Tietjen A**. (2016). Doing heritage together – New heritage frontiers in collaborative planning. In T. S. Guttormsen, & G. Swensen (eds.) *Heritage, Democracy and the Public: Nordic Approaches.* London: Ashgate.

6. **Tietjen A.** (2013). Perspektiver fra Tyskland. In N. B. Groth, & C. Fertner (eds.) *Stationsbyer i dag* (pp. 205-213). København: Realdania.

7. **Tietjen A.** (2011). *Towards an urbanism of entanglement: Site explorations in polarised Danish urban landscape*s. Monography. Aarhus: Arkitektskolens Forlag.

8. **Tietjen A.** (2011). Stedskonstruktioner. In T.J. Clemmensen (ed.) *Grænseløse byer: Nye perspektiver for by- og landskabsarkitekturen* (pp. 164-175). Århus: Arkitektskolens Forlag.

9. **Tietjen A.** 2010 (ed.). *Forstadens bygningskultur 1945-1989: På sporet af velfærdsforstadens bevaringsværdier* (Suburban building culture 1945-1989: Suburban building culture: Uncovering heritage values in the welfare suburbs). København: Realdania & Dansk Bygningsarv A/S.

   I am the author of the introduction, pp. 9-1; chapter 1: Velfærdsforstaden – et historisk rids (The welfare suburbs – a brief history), pp. 17-67; chapter 3: Hvordan bevarer vi velfærdsforstaden? (How to preserve the welfare suburbs?), pp. 52-67; and the co-author (with Signe Marie Rohde) of Atlas over velfærdsforstaden (Atlas of the welfare suburbs), pp. 84-163

10. **Tietjen A**., Riesto S., Skov P. (eds.) (2007). *Forankring i forandring: Christiania og bevaring som ressource i byomdannelse* (Rooted in change: Christiania and heritage as a ressource in urban transformation), Århus: Arkitektskolens Forlag.

11. **Tietjen A.**, Riesto S., & Skov P. (2007). Forankring i forandring (Rooted in change). In A. Tietjen, S. Riesto, & P. Skov (eds.). *Forankring i forandring: Christiania og bevaring som ressource i byomdannelse* (Rooted in change: Christiania and heritage as a resource in urban transformation) (pp. 15-26). Århus: Arkitektskolens Forlag.

12. **Tietjen A.** 2007. Grænseregistrering (A border survey). In: Tietjen A., Riesto S., Skov P. (eds.). *Forankring i forandring: Christiania og bevaring som ressource i byomdannelse* (Rooted in change: Christiania and heritage as a resource in urban transformation) (pp. 209-232). Århus: Arkitektskolens Forlag.

13. **Tietjen A.**, Riesto S. 2007. En grænseberetning fra et kulturmiljø (A liminal report from a cultural environment). In: Tietjen A., Riesto S., Skov P. (eds.). *Forankring i forandring: Christiania og bevaring som ressource i byomdannelse* (Rooted in change: Christiania and heritage as a resource in urban transformation) (pp. 233-251). Århus: Arkitektskolens Forlag.

Peer reviewed conference papers

14. Riesto, S., & **Tietjen, A.** (2015). Doing heritage together: New heritage frontiers in collaborative planning. In S. Egoz (ed.), *Defining Landscape Democracy Conference Reader* (pp. 56-57). Oslo: The Centre for Landscape Democracy (CLaD), Norwegian University of Life Sciences (NMBU). Available online at
http://www.nmbu.no/sites/default/files/pdfattachments/defining_landscape_democracy_proceedings.pdf

15. **Tietjen A.** (2013). Translations: Experiments in Landscape Design Education. In E. Brandt, P. Ehn, T. D. Johansson, M. H. Reimer, T. Markussen, & A. Vallgårda (eds.), *Experiments in Design Research. Nordic Design Research Conference 2013* (pp. 382-385). Available online at www.nordes.org

16. **Tietjen A.** (2013). Translating the Landscape. In C. Newman, Y. Nussaume, B. Pedrol (eds.), *Landscape & Imagination: Towards a new baseline for education in a changing world* (pp. 501-506). Paris: Baldecchi & Vivaldi. Available online at
https://www.dropbox.com/s/cau7oe5ydiyk7di/Landscape%20and%20imagination%203%20june.pdf

17. **Tietjen A.** (2007). Polarised territories and new spatial prototypes: Strategic identity development in Aarhus and Hjørring. In G. Bruyns, A. Fuchs, J. M. Hoekstra, H. Meyer, & A. Van Nes (eds.) *The European Tradition in Urbanism and its Future* (pp. 322-328). 4th International Seminar on Urbanism and Urbanization. Delft, International Forum on Urbanism (IFoU), 24-26 September 2007.

18. **Tietjen A.** (2006). Imagineering urban identity for a shrinking Danish region. In W. Chiuyuan, S. Qiang, & C. Sezer (eds.) *Modernization and Regionalism: Re-inventing Urban Identity,* Volume 1 (pp. 183-191). Delft, International Forum on Urbanism (IFoU). Beijing, Tsinghua University, 17-20 October 2006,.

19. Stüben H., **Tietjen A.** (2006). Operation Context. In *The Complexity of the Ordinary: Context as Key to Architectural Strategies.* Copenhagen, The Royal Academy of Fine Arts, School of Architecture, 5-6 October 2006..

Other research dissemination

20. **Tietjen A.**, & Jørgensen G. (2014). Små projekter kan få stor strategisk effekt. *Byplan 2, 2014.*

21. **Tietjen A.**, & Riesto S. (2014). Når forskning driver en arkitekturudstilling: Elements of Architecture. *Arkitekten Nr. 8, Vol. 116*, August 2014: 42-45.

22. **Tietjen A.** (2013). Fra kreativ stedsanalyse til strategisk byomdannelse. In E.J. Jensen, G. Jørgensen, K. M. Møller, L. Winther, M. Partoft, & N. Albertsen (eds.) *Den Grænseløse By* (pp. 130-133). Center for Strategisk Byforskning, Københavns Universitet.

23. **Tietjen A.** (2012). Principper for strategisk byomdannelse. *Videnblade Planlægning og Friluftsliv 3.0-16. Skov & Landskab*: 2 pages.

24. **Tietjen A.** (2012). Strategisk byomdannelse – to eksempler. V*idenblade Planlægning og Friluftsliv 3.0-16. Skov & Landskab*: 2 pages.

25. **Tietjen A.** (2011). Den grænseløse bys mulighedsrum (Spaces of potential of the unbound city). *Landskab Nr. 8, 2011*: 220-221.

26. **Tietjen A.**, & Riesto S. (2009). Nouvelles perspectives sur le patrimoine de la commune libre de Christiania / New perspectives on heritage from the free town of Christiania, Edito n°23. In http://www.ambiances.net/index.php/fr/editos/122-nouvelles-perspectives-sur-le-patrimoine-de-la-commune-libre-de-christiania

27. Riesto S., & **Tietjen A.** (2008). Kulturarven er truet af fredning (Heritage is threatened by conservation), *Kronik, Information*, 26 August 2008.

28. **Tietjen A.**, Riesto S., & Skov P. (2008). Kulturmiljø – mere end bygninger (The cultural environment – more than buildings). *Videnblade Park og Landskab Nr. 3.14-6, Marts 2008*, *Skov & Landskab*.

29. **Tietjen A.** (2005). Forførelser (Seductions). In T. Berstrand T., J. Donsted J. (eds.), *Samtidsarkitekten* (The contemporary architect) (pp. 88-91). Copenhagen: Multivers.

30. **Tietjen A.** 2002. Byer i drift (Urban drift). *Arkitekten Nr. 30, 2002*: 22-23.

Presentations and outreach lectures

31. **Tietjen A**. (2015/11). *Working with the backside of urban mobility: Landscape design in peripheral rural areas in Denmark.* Key note at the 2015 Nordic Architectural Research Symposium, Urban Mobility – Architectures, Geographies and Social Space, Malmö, 5-6 November 2015.

32. **Tietjen A**. (2015/11). *Found in Translation: Working with Actor-Network Theory in Design Education*. Invited lecture at the international seminar The City and the Pragmatic Turn, arranged by the Centre for Strategic Urban Research (CSB), Aarhus School of Architecture & Centre for Science, Expertise and Society (CEVES), Department of Sociology, University of Copenhagen, Copenhagen, 5-6 November 2015.

33. **Tietjen A.** (2015/10). *Fremtidens Landskab Nordbornholm (Future Landscape North Bornholm).* Poster presentation at Byplanmøde (the yearly congregation of Danish urban planners) of student work from the Transformation Studio 2015 which was developed in conjunction with the research and development programme Future Landscapes, Vordingborg, 1-2 October 2015.

34. **Tietjen A**., & Jørgensen G. (2015/07).*There is more to it than meets the eye: Social effects of urban design in the context of urban decline.* Paper presentation at the international Aesop conference: Definite Space – Fuzzy Responsibilities, Prague, 6-10 July 2015.

35. **Tietjen A.,** Jørgensen M. B., & Caspersen O.H. (2015/06). *Fremtidens Landskab Nordbornholm (Future Landscape North Bornholm).* Presentation and public debate at the People Meeting (a political festival with about 100.000 visitors) of student work from the Transformation Studio 2015 which was developed in conjunction with the research and development programme Future Landscapes, Allinge/Bornholm, 12-

14 June 2015.

36. Riesto S., & **Tietjen A**. (2015/06). *Doing heritage together.* Paper presentation at the UNISCAPE conference Defining Landscape Democracy, Oslo, 4-5 June 2015.

37. Riesto S, & **Tietjen A.** (2014/09). *Sammen skaber vi kulturarv (Together we create heritage).* Invited presentation at the Bygningskultur 2015 seminar for municipalities and public authorities, Raadvad, 11 September 2014.

38. **Tietjen A.** (2014/07).*Teaching co-evolution in a shrinking rural region.* Paper presentation at the international Aesop conference: From control to co-evolution, Utrecht, 9-12 July 2014.

39. **Tietjen A.** (2014/05).*Landscape translations – Using Actor-Network Theory to study and assess strategic landscape projects.* Invited lecture at the PhD course Relational Landscape Studies, SLU Alnarp, Sweden, 8 May 2014.

40. **Tietjen A.,** Jørgensen G. (2013/10).*Translating a wicked problem: A strategic planning approach to rural shrinkage in Denmark.* Paper presentation at the research workshop on Working with Wicked Problems in Socio-Ecological Systems: Theory and Practice, arranged by the Journal of Landscape and Urban Planning. UC Berkeley 26-27 October 2013.

41. **Tietjen A.** (2013/09).*Translating the landscape.* Invited lecture at the research seminar & PhD course Transforming site methodologies, Aalborg University, Denmark, 26-27 September 2013.

42. **Tietjen A.** (2013/06).*Translations: Experiments in Landscape Design Education.* Paper presentation at the conference NORDES 2013: Experiments in Design Research, Copenhagen, 9-12 June 2013.

43. **Tietjen A.** (2013/05).*Translating the landscape.* Paper presentation at the UNISCAPE conference Landscape & Imagination: Towards a new baseline for education in a changing world, Paris, 2-4 May 2013

44. **Tietjen A.** (2013/05). *Med udgangspunkt i stedet (Rooted in the place).* Lecture at the seminar Stedet i litteraturen (The place in literature), arranged by the Danish Author's Association, Hald Hovedgård, 8-10 March 2013.

45. **Tietjen A.** (2011/09). *Nye relationer mellem by og land: Landskabsarkitektur i den grænseløse by (New relationships between city and countryside)*, Nordisk Kongres (for landskabsarkitekter) 2011, Christiansfeld, Denmark, 3 September 2011.

46. **Tietjen A.** (2011/05). *Research by Design (Education): Experiences from a PhD Research at the Aarhus School of Architecture.* Lecture at the Norwegian University of Life Sciences, Ås, 19 May 2011.

47. **Tietjen A.** (2011/05). *Industriens Bygningsarv – kortlægning, typologisering og potentialeanalyse (Industrial heritage – mapping, typologies and analysis of potential).* Lecture at De Danske Museers Industripuljemøde (a research group at the Danish museums on industrial heritage), Aarhus, 2 May 2011.

48. **Tietjen A.** (2011/03). *Forstadens Bygningskultur 1945-89 (Suburban building culture 1945-89).* Lecture at the conference Bevaring of udvikling i forstaden (Preservation and development in the suburbs) arranged by Dansk Bygningsarv and Realdania, Rødovre, Denmark, 2 March 2011.

    With slight variations, I also held this lecture at By- og Landskabsstyrelsen; Foreningen af Byplanlæggere; Nyere Tid (a research group at the Danish museums on modern times); Center for Boligforskning, Statens Byggeforskningsinstitut; Akademisk Arkitektforening; Dansk Arkitekturcenter (DAC); workshop participants at Bedre Boligveje, Forest & Landscape, University of Copenhagen; the post graduate master education Green Urban Transformers, The Aarhus School of Architecture; and

many times at courses in the Msc Landscape Architecture programme at the University of Copenhagen.

49. Braae E., & **Tietjen A.** (2010/06). *Constructing Sites on a Large Scale: Towards New Design (Education) Methods.* Paper presentation at the conference *As Found: World in Denmark*, University of Copenhagen.

50. **Tietjen A.** (2010/05). *Creating Situated Knowledge.* Presentation at the CSB research seminar Urban Landscapes and Research by Design, The Aarhus School of Architecture, Aarhus, Denmark, 5 May 2009.

51. **Tietjen A.** (2010/03). *Constructing Site Knowledge.* Presentation at the *CSB Bernardo Secchi Research Seminar*, The Aarhus School of Architecture, Aarhus, Denmark, 23 March 2010.

52. Riesto S., & **Tietjen A.** (2009/11). *Fra Konservering til kulturgjenbruk: Fristaden Christiania (From conservation to cultural reuse: The freetown Christiania).* Lecture at the KRYSS conference, Oslo, Norway, 27 November 2009.

53. **Tietjen A.** (2008/11). *Med udgangspunkt i stedet: Muligheder for transformative designstrategier i polariserede danske territorier (Rooted in place: Possibilties for transformative design strategies in polarised Danish territories).* Lecture at the Royal Academy of Fine Arts School of Architecture, Copenhagen, Denmark, 17 November 2008.

54. **Tietjen A.** (2009/3). *Husk mit sted! (Remember my place!)* Lecture on the topic of contested heritage at the public seminar Fremtidsruiner (Future ruins), arranged by the artist Søren Lose at Overgaden Art Space, 14 March 2009.

55. **Tietjen A.** (2009/01).*Transformation in polarisierten Gebieten Dänemarks: Möglichkeiten ortsbasierter Entwurfsstrategien in Ost- und Nordjütland (Transformation in polarised Danish territories: Potentials of place-based design strategies in East and North Jutland).* Lecture at the Institute of Landscape Architecture, Leibniz University Hannover, Germany, 20 January 2009.

56. **Tietjen A.** (2008/07). *Potentials of Research by Design in Polarised Danish Territories.* Invited lecture at the international conference Research by Design: The Case of Urban Landscape at the Institute of Landscape Architecture, Leibniz University Hannover, Germany, 11 July 2008.

57. **Tietjen A.** (2008/06). *Urban transformation in polarised Danish territories.* Paper presentation at the international PhD colloquium Urbane Landschaften, Bonn, Germany, 18-20 June 2008.

58. **Tietjen A.,** & Riesto S. (2008/05). *Forankring i forandring. Christiania og bevaring som ressource i byomdannelse. (Rooted in change: Christiania and heritage as a resource in urban transformation).* Book presentation at the PhD masterclass with Sebastien Marot, Aarhus School of Architecture, 23 May 2008.

59. **Tietjen A.,** Riesto S. (2008/06). *Forankring i forandring. (Rooted in change: Christiania and heritage as a resource in urban transformation).* Lecture at the Royal Academy of Fine Arts School of Architecture, Copenhagen, 6 May 2008.

60. **Tietjen A.** (2007/08). *Nye urbane prototyper i et polariseret territorium. Strategisk identitetsudvikling i Aarhus og Hjørring (New urban prototypes in polarised territory: Strategic identity development in Aarhus and Hjørring).* Presentation of student work developed in connection with my PhD project at the Department of Landscape and Urbanism, Aarhus School of Architecture, Hjørring Kommune, Denmark, 29 August 2007.

61. Braae E., & **Tietjen A**. (2007/05). *Water as agent of territorial transformation in Denmark.* Lecture at the international design workshop Landscapes of Water, IUAV Venice, Italy, 28 April-5 May 2007.

**Fortegnelse over bedømmelsesudvalg til
stilling P21715 Postdoc • Intelligent Recognition Technologies ved Institut for Arkitektur og
Medieteknologi**

Navn: Lektor Michael Mullins
Arbejdssted: Institut for Arkitektur og Medieteknologi, AAU
E-mail: mullins@create.aau.dk

Navn: Lektor Georgios Triantafyllidis
Arbejdssted: Institut for Arkitektur og Medieteknologi, AAU
E-mail: gt@create.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 • Intelligent Recognition Technologies

Godkendt d. 19-5-17
Eskild Holm Nielsen
dekan

Position No.

At the Technical Faculty of IT and Design, Department of Architecture, Design and Media Technology, Aalborg University Copenhagen a position as Postdoc within the field of Intelligent Recognition Technologies is available for appointment for a 2-year period from September 1 2017 or soon thereafter.

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
This position has its primary research areas within the field of intelligent recognition technologies at Aalborg University Copenhagen.

Of high importance is a solid expertise in visual systems, computer vision and data processing.

Emphasis is given to 3D image categorization with depth-based methodologies and applied intelligent visual systems.

Background knowledge on digital signal processing, 3D Imaging, smart sensors, artificial intelligence (including machine learning, deep learning) and IoT is an asset.

Further assets are international academic activity and experience in research collaborations and projects. The applicant is also expected to demonstrate a relevant publication record and teaching experience preferably using problem-based learning.

You may obtain further professional information from Associate professor Michael Mullins, phone +45 9940 7164, email: mullins@create.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 email ach@adm.aau.dk or phone +45 9940 9680.

Information regarding guidelines, ministerial circular in force and procedures can be seen here.

Workplace
Copenhagen

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
02/06/2017

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

Fortegnelse over bedømmelsesudvalg til
stilling P21716 Postdoc in Computer Science ved Institut for Datalogi

Navn: Lektor Arne Skou
Arbejdssted: Institut for Datalogi, AAU
E-mail: ask@cs.aau.dk

Navn: Professor Kim G. Larsen
Arbejdssted: Institut for Datalogi, AAU
E-mail: kgl@cs.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

Position No.

At the Technical Faculty of IT and Design, Department of Computer Science. One or more positions as Postdoc in Computer Science are open for appointment from July 15, 2017 or soon hereafter. The positions are open for a period of 2 years.

Department of Computer Science is a department with many coherent activities within research, education, technology, development and co-operation with the surrounding society, and research dissemination within the computer science area. The department's research approach ranges from formal logic, over experimental construction to empirical description. The research in the department has computers, programming, as well as software- and computer systems as its field. The department offers a broad range of computer science educations at all levels as well as continued professional development.

Job description

We seek applicants within the following areas:
• Theories, algorithms and tools for quantitative analysis of embedded systems with special focus on resource-aware models and specification formalisms.

Limited teaching within the area can be expected, but also in other study programmes at the University.

You may obtain further professional information from Associate Professor Arne Skou, ask@cs.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 Nickie Kate Hermansen nkh@adm.aau.dk or phone (+45) 9940 7902.

Information regarding guidelines, ministerial circular in force and procedures can be seen here. (ENGINEERING) here. (TECH) here (sund)

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
31/05/2017

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.

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**Fortegnelse over bedømmelsesudvalg til
stilling Postdoc in Geoinformatics (p21718) ved PLAN**

Navn: Lektor Carsten Kessler
Arbejdssted: PLAN, AAU
E-mail: kessler@plan.aau.dk

Navn: Lektor Lise Schrøder
Arbejdssted: PLAN, AAU
E-mail: lisesch@plan.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 Geoinformatics (P21718)

Position No.
p21718

At Technical Faculty of IT and Design, Department of Planning Copenhagen, a position as Postdoc in Geoinformatics is open for appointment from 1 September 2017. The position is available for a period of 3 years. The postdoc position is part time and corresponds to 20% of a full-time position.

The Department of Development and 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
Research areas will be within geoinformatics and environmental geography related to several EU funded projects.

In addition, it is expected that the postdoc can contribute to teaching and project supervision within geoinformatics and related fields. You may obtain further professional information from professor Henning Sten Hansen, +4528156464, hsh@plan.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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• 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 and procedures can be seen here.

Workplace
Copenhagen

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
15/06/2017

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.

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