



AALBORG UNIVERSITET

Den 3. juli 2017

Det Tekniske Fakultet for IT og Design

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### Skriftlig høring TECH Akademisk Råd pr. 5. juli 2017

1.	<b>Indstilling vedr. sammensætning af sagkyndigt udvalg vedr. lektor stillingen i:</b> A. "Techno-Anthropology" ved Institut for Planlægning (stilling 42235) <b>Bilag 050717-1</b>
2.	<b>Indstilling vedr. sammensætning af sagkyndigt udvalg vedr. adjunkt stillingen i:</b> A. "Wireless Communication networks with focus on connectivity for real time cyber physical systems" ved Institut for Elektroniske Systemer (stilling 201722) <b>Bilag 050717-2</b>
3.	<b>Indstillinger vedr. sammensætning af sagkyndige udvalg vedr. postdoc stillingerne i:</b> A. "Speech Intelligibility for Hearing Assistive Devices" ved Institut for Elektroniske Systemer (stilling P21717) B. "Environmental Geopraphy and Geoinformatics" ved Institut for Planlægning (stilling P21721) C. "Computer Science" ved Institut for Datalogi (stilling P21723) D. "Joint Optimization of Heat and Power Systems" ved Institut for Elektroniske Systemer (stilling P21727) <b>Bilag 050717-3</b>

**OBS!** Vedr. bedømmelsesudvalg – i de tilfælde hvor ansøgningsfristen ligger efter Akademisk Råds møde/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 42235 Associate Professor in Techno-Anthropology ved Department of Planning**

**Navn:** Associate Professor Lars Botin  
**Arbejdssted:** Department of Planning, AAU  
**E-mail:** botin@plan.aau.dk

**Navn:** Associate Professor Kathrine Krageskov Eriksen  
**Arbejdssted:** UC Sjælland  
**E-mail:** kke@ucsj.dk

**Navn:** Associate Professor Jan Kyrre Berg Friis  
**Arbejdssted:** Department of Public Health, KU  
**E-mail:** [jkof@sund.ku.dk](mailto:jkof@sund.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.

## Associate Professor in Techno-Anthropology

**Position No.**

42235

At the Technical Faculty of IT and Design, Department of Planning a position as Associate Professor in Techno-Anthropology is open for appointment from September 15, 2017 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**

Research areas will be within Techno-Anthropology with focus on institutions, policy-making and responsibilities in a selected technology domain. The applicant must have a strong research profile in these areas and hold experience in writing research applications and possibly have worked on research projects. The applicants with proven ability to attract external funding are desirable.

Techno-Anthropology is study the human-technology interface with the purpose to contribute to the development of robust and socially responsible technological solutions to societal challenges.

The position is hosted by the research group "Techno-Anthropology and Participation" (TAPAR) that conducts research of truly interdisciplinary character and 'takes a holistic approach which challenges existing paradigms and creates robust, research based solutions to the complex challenges of society' (Knowledge for the World, AAU 2016). The group looks critically at new and emergent technologies in a socio-technical perspective. The approach is problem oriented in accordance with the overall AAU characteristics, where 'analytical, holistic, and problem and solution oriented methods' are applied to improve technological innovation, design, regulation and implementation processes.

In the framework of TAPAR the successful candidate will complement existing knowledge and competencies that mainly deals with human-technology relations on a micro level, hence focus on macro and institutional perspectives on responsible technological innovation, development and implementation. The applicant should be outward and ready to participate actively in the public debate on emergent technologies.

Teaching will primarily be done at the Bachelor's and Master's programmes in Techno-Anthropology in Copenhagen, but also in other study programmes and at other locations at the University. The applicant must speak and write Danish and English fluently. Applicants that can document successful participation Teaching and Learning in Higher Education Programme will be preferred.

You may obtain further professional information from Associate Professor Lars Botin, +4551336604, botin@plan.aau.dk.

**Qualification requirements:**

The level of qualification for Associate Professors shall correspond to the level, which can be achieved on the basis of the appointment as Assistant Professor, but may be achievable in other ways. The appointment presupposes that the applicant can demonstrate original scientific production at an international level as well as documented teaching qualifications. Appointment to the position requires that both research and teaching qualifications are at the requested level. The two qualifications will be given equal and principal priority 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 [hr-tech@aaau.dk](mailto:hr-tech@aaau.dk) or phone (+45) 9940 9680.

Information regarding guidelines, ministerial circular in force, teaching portfolio 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**

14/07/2017

### **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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# KATHRINE KRAGESKOV ERIKSEN

## CURRICULUM VITAE

### I OVERSIGT

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Okt. 2015-	:	<b>Områdechef for Forskning, Sundhed og Social</b> University College Sjælland (UCSJ)
2015-	:	<b>Docent - udvikling af professionsfelt og uddannelser inden for sundhedsområdet</b>
2014-2015	:	<b>Forskningssouschef</b> UCSJ, Forskning og Innovation
2013-2015	:	<b>Forskningsprogramleder Sundhed og Velfærdsinnovation</b> UCSJ, Forskning og Innovation
2012-2013	:	<b>Uddannelseschef</b> UCSJ, Bioanalytikeruddannelsen
2011-	:	<b>Master of Public Governance</b> Copenhagen Business School/Københavns Universitet
2010-2012	:	<b>Uddannelsesleder</b> UCSJ, Sygeplejerskeuddannelsen, Næstved
2008-2012	:	<b>Uddannelsesleder</b> UCSJ, Bioanalytikeruddannelsen, Næstved
2006-2008	:	<b>Adjunkt</b> Bioanalytikeruddannelsen Næstved, CVU Syd
2006	:	<b>Ekstern lektor</b> Københavns Universitet
2005-2006	:	Barselsorlov med Jonathan
2004-2005	:	Børnepasningsorlov, Budapest, Ungarn (pga. ægtefælles arbejde)
2003-2004	:	<b>Undervisningsassistent</b> Københavns Universitet
1999-2004	:	<b>Ph.d.-stipendiat</b> (inkl. barselsorlov med Emilie 2001-02) Københavns Universitet,
1999	:	<b>Undervisningsassistent</b> Københavns Universitet
1992-1998	:	<b>Cand.scient. i biokemi</b> Københavns Universitet
1988-1991	:	<b>Matematisk studentereksamen</b> Slagelse Gymnasium
1972	:	Født, Slagelse

## ERHVERVSERFARING

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Okt. 2015- : **Områdechef for forskning, Sundhed og Social, UCSJ**

2015- : **Docent**

Ekstern formel bedømmelse af forskningskompetence og indsigt i og erfaring med professionsområder og - uddannelse af relevans for professionshøjskolesektoren; bedømt med særligt fokus på forskning i og udvikling af **professionsfelt og uddannelser inden for sundhedsområdet**, som udgør mit **ansvarsområde** som docent.

2014-2015 : **Forskningssouschef, UCSJ**

**Ansvar:** Samarbejde med forskningschef om ledelse af Afd. for Forskning og Innovation med fokus på koblingen mellem FoU, innovation og uddannelserne.

**Resultater:**

- Uddannelsernes videngrundlag og udd.relevansen af FoU-aktiviteterne vurderet tilfredsstillende ved institutionsakkreditering af UCSJ 2015.
- Udvikling af UCSJ-ledelsessamarbejdet om FoU og uddannelseskobling i matrixstruktur, herunder budgetmæssig håndtering af samspil.

2013-2015 : **Forskningsprogramleder for 'Sundhed og Velfærdsinnovation', UCSJ**

**Ansvar:** Opbygning, udvikling og drift af nyt FoU-miljø på sundhedsområdet i kobling til UCSJ's uddannelser og professionspraksis. Omfattende: Forskningsledelse, budgetansvar, rekruttering og personaleledelse, opbygning af eksterne relationer og ekstern profilering og formidling, projektudvikling og -ledelse, fundraising, internt samarbejde om udvikling af uddannelsernes videnbaserings og nye uddannelsesdesigns samt tværprofessionelt uddannelsessamarbejde, innovationsprojekter og innovationsforløb, opbygning af understøttende organisatorisk infrastruktur.

**Resultater:**

- Opbygning af kompetent forskningsgruppe og udvikling af samarbejde med Region, kommuner, videninstitutioner m.fl. med fokus på sundhed og velfærd i aktiviteter, der kobler sektorer, videninstitutioner, praksis og brugere og med særlige indsatsområder ift. velfærdsteknologi, ulighed i sundhed, ældre- og psykiatriområdet, rehabilitering, fødevarer.
- Succesfuld projektudvikling, herunder opnåelse af ekstern funding af aktiviteter fra både Strukturfonde, Interreg og private fonde (> 8 mio. kr. siden 2013).
- Succesfuld gennemførelse af en række projektaktiviteter inden for disse områder, der alle har koblet og givet værdi ift. professionshøjskolernes tre kerneområder forskning (peer-review publikationer mv. jf. Frascati-rammesætning), uddannelse (udvikling af undervisning, involvering af studerende) og praksisudvikling (gennem projektsamarbejde og via forskningsresultater).

- Gensidigt godt evalueret samarbejde med uddannelserne på området om prioritering af indsatser, kobling til uddannelsernes videngrundlag og involvering af studerende gennem bl.a. bachelorprojekter i tilknytning til FoU-projekter og arbejde med nye praktikformater med FoU-snit samt kompetenceudvikling af videnmedarbejdere gennem bl.a. forskningsværksteder og fælles projekt- og publiceringsaktiviteter.
- Succesfuld udvikling og implementering af en række undervisningsformater, der krydser FoU-aktiviteter og studerendes læring med gensidig værdiskabelse; herunder det "3. læringsrum", nye praktikformater og innovationsaktiviteter i samspil med private og offentlige virksomheder i regionen på fødevare- og velfærdsteknologi-områderne.

#### 2012-2013 : **Uddannelseschef, UCSJ Bioanalytikeruddannelsen**

**Ansvar:** Personaleledelse; økonomiansvar; kvalitetssikring; faglig ledelse og udvikling af uddannelsen; eksterne relationer lokalt, nationalt og internationalt; samarbejde med praksisfelt om praktik og projektaktiviteter; bidrag til den strategiske udvikling af UCSJ med særligt fokus på sundhedsområdet samt tværprofessionalitet og innovation.

##### **Resultater:**

- Anmærkningsfri uddannelsesakkreditering (2013), hvor UCSJ Bioanalytikeruddannelsen fremhæves som veldrevet og visionær.
- Udvikling og drift med budgetoverholdelse og høj medarbejdertilfredshed af Bioanalytikeruddannelsen som nyt udbud i UCSJ.
- Gennemgående lavt frafald og benchmarking ift. studentertilfredshed på og over nationalt niveau i Ennova-undersøgelser mv.
- Udvikling og gennemførelse af flere interne projekter med fokus på tværprofessionalitet og innovation i UCSJ med oprettelse af bl.a. faste moduludbud og konceptudvikling for camp-aktiviteter som resultater.

#### 2010-2012 : **Uddannelsesleder, UCSJ Sygeplejerskeuddannelsen, Næstved**

**Ansvar:** Personaleledelse, faglig ledelse og uddannelsesudvikling i samspil med sygeplejefaglig professionspraksis og på tværs af udbudsstederne af sygeplejerskeuddannelsen i UCSJ.

##### **Resultater:**

- Drift af uddannelsesudbud med budgetoverholdelse og høj medarbejder- og studentertilfredshed.
- Udvikling og implementering af systematisk evalueringssystem ift. både uddannelsens teori- og praksisundervisning.
- Medudvikling af sygeplejerskeuddannelsen i UCSJ som en samlet uddannelse gennem fælles lokal studieordning på alle udbudssteder.
- Initiativtager til og ansvarlig for udvikling og implementering af simulationsundervisning og tværsektorielle praktikforløb som strategiske indsatsområder.

#### 2008-2013 : **Uddannelsesleder, UCSJ Bioanalytikeruddannelsen, Næstved**

**Ansvar:** Personaleledelse, faglig ledelse og uddannelsesudvikling i samspil med praksis. Udvikling (i national gruppe under ledernetværket for bioanalytikeruddannelsen), sikring af godkendelse (formandsansvar for ledernetværkets samarbejde med Undervisningsministeriet) og implementering (ansvar lokalt) af national studieordning (ikrafttræden 2009).

**Resultater:**

- Udvikling af bioanalytikeruddannelsen som nyt udbud i UCSJ (første studiestart 2004) med budgetoverholdelse og høj medarbejder- og studentertilfredshed.
- Gennemført national proces med udvikling af ny bekendtgørelse og studieordning i samspil med ministeriet og aftagerfelt.
- Udvikling og implementering af ny lokal studieordning i tæt samspil med praksis for sikring af høj grad af aftagerrelevans, bl.a. gennem model for involvering af de kliniske undervisere i den samlede uddannelse.
- Udvikling af uddannelsens forskningsbaseret gennem bl.a. nye modeller for bachelorprojekter og formidlingen heraf (stafetmodel)

2006-2008 : **Adjunkt, Bioanalytikeruddannelsen Næstved, CVU Syd**

**Ansvar:** Udvikling og gennemførelse af moduler og undervisningsforløb i bl.a. kemi, etik, videnskabsteori og metode, medicinsk teknologivurdering og kvalitetsudvikling i sundhedsvæsenet.

**Resultater:**

- Selvstændig udvikling og implementering af undervisning og didaktiske designs bl.a. projekt- og casebaseret - evalueret med høj tilfredshed af studerende ift. både tilrettelæggelse og pers. undervisningskompetence.

2006 : **Ekstern lektor, Københavns Universitet.**

**Ansvar:** Didaktisk udvikling af elementer i "Fagets videnskabsteori" på Det naturvidenskabelige Fakultet. Egen undervisning: Forelæsninger og holdundervisning, eksamensafholdelse i videnskabsteori og etik for kemi-, biokemi- og nanoteknologistuderende.

**Resultater:**

- Medudvikling af indhold og didaktisk design for undervisning på nyt fagområde på Fakultetet
- Studenterevaluering af indhold, tilrettelæggelse og undervisning med høj tilfredshed

2003-2004 : **Undervisningsassistent i medicinsk kemi, Institut for Medicinsk Biokemi & Genetik, Københavns Universitet**

**Ansvar:** Hold- og øvelsesundervisning af medicinstuderende, kemi.

1999 : **Undervisningsassistent i biokemi, Institut for Medicinsk Biokemi & Genetik, Københavns Universitet**

**Ansvar:** Hold- og øvelsesundervisning af medicinstuderende, biokemi.

**Resultater:**

- Studenterevaluering med høj tilfredshed



## UDDANNELSE

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- 1999-2004 : **Ph.d. i naturvidenskabsdidaktik, Københavns Universitet & Dansk Center for Naturvidenskabsdidaktik (DCN)**  
 Afhandling: *Reflectivity and Tertiary Chemistry Oriented Education*  
 Forskeruddannelse inden for det didaktiske felt med fokus på det naturvidenskabeligt orienterede uddannelsesområde. I kraft af vinklingen af mit eget projekt særligt blik på samspil mellem uddannelse, forskning og samfund; refleksive kompetencer; etik og videnskabsteori.
- 1992-1998 : **Cand.scient. i biokemi, Københavns Universitet**  
 Akademisk uddannelse inden for det naturvidenskabelige område med særlig vægt på kemi, biokemi og humanbiologi. Molekylærbiologisk speciale udført på Cellebiologisk-Anatomisk Laboratorium, Zoologisk Institut, Københavns Universitet
- 1988-1991 : **Matematisk Studentereksamen, Slagelse Gymnasium**

## EFTERUDDANNELSE OG KURSER

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- 2011- : **Master of Public Governance v. Copenhagen Business School og Københavns Universitet**  
 Fleksibel masteruddannelse; offentlig ledelse i et governance-perspektiv; et særligt blik på organisationers indgåelse i netværk og partnerskaber på tværs af grænser mellem sektorer (pt. resterer kun masterprojektet, der forventes afviklet 2015-16 med uddannelsesafslutning 2016).
- 2009-10 : Organisations- og ledelsesudviklingsforløb i UCSJ ved Cairos Consult
- 2008 : Coaching og lederskab, Copenhagen Business School (sommerskole)

## TILLIDSHVERV, BESKIKKELSER OG VEJLEDNINGSHVERV

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- 2015 : Medlem af ekspertgruppe vedr. generiske kompetencer, revision af professionsbacheloruddannelserne på sundhedsområdet, FIVU og Danske Professionshøjskoler
- 2015- : Bi-vejleder for ph.d.-studerende Kitt Vestergaard indskrevet ved RUC (projekt om velfærdsteknologi og sundhedsfaglige og organisatoriske kompetencer)
- 2014- : Beskikket censor, Censorkorpset for ingeniøruddannelserne og de tekniske diplomuddannelser, det samfundsvidenskabelige område/tekno-antropologi

- 2014-15 : Medlem af tænketanke under Region Sjællands udviklingsprogram "Broen til bedre sundhed" med henblik på udvikling af initiativer til mindskelse af ulighed i sundhed på Lolland-Falster
- 2009-12 : Vejleder for 5 adjunkter i lektorkvalificeringsforløb på UCSJ Bioanalytikeruddannelsen Næstved (alle med positiv lektorbedømmelse)
- 2011-13 : Medlem af ledernetværket for sygeplejerskeuddannelserne i Danmark
- 2009-13 : Valgt formand for ledernetværket for bioanalytikeruddannelserne i Danmark. Ansvarlig for nationalt udd.samarbejde; samarbejde med UC-DK's uddannelsespolitiske udvalg, censorformandskab og Ministeriet

## SPROGKUNDSKABER

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Flydende: **Dansk, engelsk.**

Jeg har publiceret internationalt og skrevet ph.d.-afhandling og kandidatspeciale på engelsk

Godt arbejdskenndskab: **Skandinaviske sprog, tysk**

## UDDYBET KOMPETENCEPROFIL

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### FORSKNING

Jeg har formelle kompetencer inden for en palet af forskningsområder spændende fra (professions)didaktik til naturvidenskabelige kerneområder - og med nedslag med egen forskningsproduktion henover dette spektrum. Min forskningsinteresse er overordnet samspillet mellem uddannelse og udviklingen i professionspraksis og samfundet mere generelt, herunder den (velfærds)teknologiske udvikling, tværprofessionalitet og nye former for netværk og samarbejde om sundhed på tværs af traditionelle grænser mellem professioner, sektorer, offentlig-privat, professionel-borger osv. Jeg er særligt interesseret i koblingen mellem teori-praksisdimensioner af professionsuddannelserne, herunder udvikling af intermediære didaktiske rum mellem teori og praksis. Videre arbejder jeg med udvikling af nye former for samarbejde, herunder hvordan man konkret kan forstå og etablere koblinger mellem forskellige aktører som afsæt for at udvikle nye løsningstilgange til komplekse samfundsproblemstillinger (publikationsliste er indsat nederst).

### PROJEKTUDVIKLING OG -LEDELSE, HERUNDER FUNDRAISING

Jeg har i min stilling som forskningsprogramleder i UCSJ og som leder i professionsuddannelser inden for sundhedsområdet initieret, udviklet, ledet og fundraiset til en række projekter. Jeg har i dette arbejde opnået erfaring med bl.a. de regionale strukturfonde (Social- og Regionalfondene, Interreg-programmer), Horizon 2020, Innovationsfonden og flere private fonde samt ministerielle udbud.

### Udvalgte større projekteksempler:

2016-19 : MATURE. Innovationsfonden Grand Solution med bl.a. SFI og SDU. Fremtidens velfærdsservice til ældre og ny teknologi. Budget på 11,6 mio.

- 2015-18 : InnoCan. Bevilget Interreg-projekt samlet budget 32 mio. kr. Teknologi i sygeplejen af kræftramte, udvikling af living-lab tilgange i samspil mellem klinisk praksis og videninstitutioner. Med Region Sjællands Sundhedsinnovation og Onkologisk Afd. Næstved Sygehus. Hovedansvarlig for projektudvikling, fundraising, budget etc. for UCSJ's andel (UCSJ-andel 2,6 mio. kr.)
- 2015 : Demantec. Bevilget Interreg-projekt. Teknologi i demensplejen, kompetenceudvikling, samspil mellem teknologifirmaer, sundhedsprofessionel praksis og sub-clustering-strategier. Hovedansvarlig for projektudvikling, fundraising, budget etc. for UCSJ's andel (UCSJ-budget 2,24 mio. kr.)
- 2014-15: Brobygning 3.0. Projekt med sigte at øge antallet af unge, der gennemfører en erhvervsuddannelse inden for det sundheds- og naturfaglige/tekniske område via opbygning af virtuelt mentornetværk og undervisningsforløb til folkeskoler og ungdomsuddannelser. Støttet med 1,5 mio. kr. under Region Sjællands Kompetenceparat 2020 indsats. Ansvarlig for projektudvikling, fundraising og overordnet projektstyring.
- 2013-17 : Smag for livet. Nordea-fondsstøttet projekt i nationalt partnerskab. UCSJ-budget 3,6 mio. kr. Medansvarlig for projektudvikling. Overordnet projektstyringsansvar.
- 2013-16 : Vækstafale 3: Viden ud i virksomheder i Region Sjælland. I konsortium med DTU, RUC, EASJ støttet af Region Sjællands Vækstforum. UCSJ-andel med fokus på velfærdsteknologi og klyngedannelse (UCSJ-budget 1,23 mio. kr.). Hovedansvarlig for projektudvikling i konsortiet og i samspil med Region Sjælland; overordnet projektstyring og strategisk kobling til andre UCSJ-aktiviteter på velfærdsteknologi-området.
- 2013-14 : LUG D, Nye former for samarbejde på tværs af grænser inden for sundhedsområdet. 1. Pårørendeskole i Roskilde Kommune, 2. Tværsektorielt samarbejde og anvendelse af velfærdsteknologiske løsninger med KOL-kompetencecenter Region Sjælland, 3. Tværsektorielle forløb for geriatriske patienter i samarbejde med Næstved Sygehus. Empiriindsamling og innovationsforløb, herunder udvikling af borgercenterede praktikforløb som afsæt for praksisudvikling. Delprojektbudget 2,2 mio. kr. Projektet er del af større projekt Læring uden Grænser (LUG) i samarbejde mellem UCSJ og RUC, støttet af EU's Regionalfond, samlet projektbudget 12 mio. kr. Ansvarlig for projektudvikling, eksternt samarbejde og overordnet projektstyring.
- 2013-14 : VIOL, Velfærdsteknologi, Innovation, Omsorg og Læring, [www.ucsj.dk/viol](http://www.ucsj.dk/viol). FoU-projekt med fokus på den velfærdsteknologiske udvikling i professionsfelterne og udvikling af UCSJ's uddannelser for fremme af de studerendes 'technological literacy'. Gennemført i et samarbejde mellem UCSJ og RUC, støttet af EU's Socialfond, samlet budget 12,2 mio. kr. Ansvarlig for forskning, projektledelse og overordnet projektstyring.
- 2011-12 : Delprojekt om simulation i undervisningen på sygeplejerskeuddannelsen i UCSJ (under det EU-finansierede projekt IMODUS med fokus på uddannelsesudvikling i et kønnet perspektiv, periode 2011-14).
- 2010-11 : Innovative sundhedsprofessionelle- Uddannelsesudviklingsprojekt UCSJ, Campus Næstved, Ekstern finansiering fra Fonden for Entreprenørskab. Ansvarlig for projektudvikling, fundraising og overordnet projektstyring.
- 2009-12 : To udviklingsprojekter støttet af Region Sjælland under indsatsområdet Flere i videregående uddannelse. Ansvarlig for projektansøgning og -ledelse i samarbejde med nøglepersoner i UCSJ og repræsentanter fra andre uddannelsesinstitutioner i regionen.

## UDDANNELSESUDVIKLING OG UNDERVISNING

Jeg har en solid teoretisk indsigt i såvel som stor praktisk erfaring med strategisk uddannelsesudvikling, uddannelsesdrift, pædagogisk-didaktisk udviklingsarbejde og undervisning på professionsbachelor- og universitetsniveau. Jeg har mere end 5 års erfaring med formel uddannelsesledelse inden for sundhedsområdet, herunder opbygning af Bioanalytikeruddannelsen som ny uddannelse i Næstved frem mod succesfuld akkreditering ved Danmarks Evalueringsinstitut, hvor jeg dels var ledelsesmæssig ansvarlig for det samlede forløb og dels primærforfatter på selvevalueringsrapport. Uddannelsen opnåede positiv anmærkningsfri akkreditering, hvor ekspertpanelet bl.a. vurderede, "at udbudsstedet tilrettelægger og gennemfører undervisning af høj kvalitet og med en høj grad af idérigdom" (<http://www.eva.dk/videregaaende-uddannelse/akkreditering/akkreditering-af-eksisterende-uddannelser/vurderingsrapporter-bioanalytiker/bioanalytiker-pb-naestved-pdf>)

Jeg har medvirket i de seneste to reformer/revisioner af bekendtgørelser og studieordninger for professionsbacheloruddannelserne på sundhedsområdet, herunder indgået i ekspertgruppe (2015) og været ansvarlig for den nationale udvikling af bekendtgørelse og studieordning for bioanalytikeruddannelsen (2008-09).

Jeg har udviklet didaktiske designs for nye praktikformater, simulationsundervisning og arbejdet med intermediære læringsrum mellem teori og praksis, herunder teknologiunderstøttelse. Jeg har udviklet og forestået undervisningsforløb inden for en række områder af både samfunds-, human- og naturvidenskabeligt tilsnit. Jeg har bred erfaring med afholdelse af foredrag, workshops, seminarer etc. til forskellige målgrupper. Jeg evalueres generelt som en god underviser og formidler med en velstruktureret tilgang og en involverende undervisningsstil.

## PUBLIKATIONER

### Tidsskriftartikler og bogkapitler (peer-review)

- 2017: Velfærdsteknologiers betydning i et hverdagsliv med kronisk sygdom. Temanummer af tidsskriftet *Tidsskrift for Velferdsforskning* (accepted) (med Dræbel, T., Bagger, B.)
- 2015: To know or not to know? Integrating Ethical Aspects of Genomic Healthcare in the Education of Health Professionals. *Biochemistry and Molecular Biology Education*, Volume 43, Issue 2, 81–87
- 2015: Professionel refleksivitet og fantasi - velfærdsteknologi og professionsfremtid i uddannelsesnutid. I: K. K. Eriksen, M. Hansbøl, N. H. Helms, & M. Vestbo (red.), *Velfærd, teknologi og læring i et professionsperspektiv*. Sorø: UCSJ Forlag.
- 2014: Styrket færdighedstræning eller afsporende forstyrrelse? Digitalisering af undervisning i øvelseslaboratorier på professionsuddannelserne, *Læring og Medier*, 7(12) (med Nielsen, M.)
- 2013: Teknologistøttet simulationsundervisning: som translokation for teoretisk viden og praktisk handlen, *Læring og Medier*, 6(11) (med Nortvig, A.-M.)
- 2011: Bioanalytikere i krydsild, *Profession og praktik*, UCSJ Skriftserie nr. 3, 2011 (med Elley, T.)
- 2011: Professionsbacheloruddannelse med forskningstilknytning, i: F. V. Christiansen, S. Horst, C. Holm, K. B. Laursen (red.): *Forskningsbaseret undervisning - realiteter og potentialer*, København: Institut for Naturfagernes Didaktik, Københavns Universitet, proceedings (med Lausten, T.)

- 2009: A Reflective Science Education Practice. I: *University Science and Mathematics Education in Transition*. P. Valero, O. R. Christiansen & O. Skovsmose (red.), pp. 41-61. New York: Springer Science+Business Media LLC (bogkapitel baseret på ph.d.-afhandling)
- 2002: The Future of Tertiary Chemical Education - A 'Bildung' Focus?, *HYLE - Intl. Journal for Philosophy of Chemistry*, 8(1): 35-48
- 2000: Molecular Cloning, Genomic Organization, Developmental Regulation, and a Knock-out Mutant of a Novel Leu-Rich Repeats-Containing G Protein-Coupled Receptor (DLGR-2) from *Drosophila melanogaster*, *Genome Research* 10: 924-938 (artikel baseret på kandidatspeciale, med Hauser, F. Schiøtt, M., Pedersen, K-M., Søndergaard, L. & Grimmelikhuijzen, C. J. P.)
- 1999: Invertebrate Neurohormones and Their Receptors, i: D. Richter (red.), *Regulatory Peptides and Cognate Receptors*, Heidelberg: Springer Verlag, pp. 339-362 (med Grimmelikhuijzen, C. J. P., Hauser, F. & Williamson, M.)

## Papers, rapporter og afhandlinger

- 2015: *Velfærdsteknologi i arbejde og uddannelse - analyser og erfaringsopsamling på tværs af professioner*. Afslutningsrapport del 1 fra projektet Velfærdsteknologi, Innovation, Omsorg og Læring (VIOL). Sorø: UCSJ Forlag
- 2015: *'Technological literacy' som udfordring for professioner og uddannelse*. Afslutningsrapport del 2 fra projektet Velfærdsteknologi, Innovation, Omsorg og Læring (VIOL). Sorø: UCSJ Forlag
- 2015: *Oplevelser og erfaringer fra hverdagsliv med demens*. Afslutningsrapport for projektet Læring uden Grænser spor D: Læring på tværs af grænser i sundhedsvæsenet. Sorø: UCSJ Forlag (med Sørensen, N. Ø. et al.)
- 2015: *Pårørendeskole inden for demensomsorgen*. Afslutningsrapport for projektet Læring uden Grænser spor D: Læring på tværs af grænser i sundhedsvæsenet. Sorø: UCSJ Forlag (med Sørensen, N. Ø. et al.)
- 2015: *Dagligdags erfaringer med KOL*. Afslutningsrapport for projektet Læring uden Grænser spor D: Læring på tværs af grænser i sundhedsvæsenet. Sorø: UCSJ Forlag (med Andresen, M. et al.)
- 2015: *Tværasektorielle forløb for den skrøbelige geriatriske patient med medicinsk sygdom*. Afslutningsrapport for projektet Læring uden Grænser spor D: Læring på tværs af grænser i sundhedsvæsenet. Sorø: UCSJ Forlag (med Maglekær, M. et al.)
- 2015: *Nye veje til kobling mellem uddannelsesaktiviteter og praksisudvikling*. Afslutningsrapport for projektet Læring uden Grænser spor D: Læring på tværs af grænser i sundhedsvæsenet. Sorø: UCSJ Forlag (med Llambias, M. T. et al.)
- 2014: *VIOL Midtvejsrapport: Erfaringsindsamling, foreløbige analyser og udvikling af nye læringsmiljøer* (med Sprogøe, J.)
- 2013: *VIOL Delrapport: Velfærdsteknologi: kortlægning og analyse af nuværende og fremtidige kompetencebehov inden for de sundhedsfaglige arbejdsfelter* (med Schlüntz, D. A., Sommer, F., Storm, H., Hansbøl, M., Schmidt, R., Heilesen, S. & Llambias, T.)
- 2012: *Seloevalueringsrapport UCSJ Bioanalytikeruddannelsen Næstved*, til Danmarks Evalueringsinstitut v. akkreditering af bioanalytikeruddannelserne i Danmark (hovedskribent med uddannelsens undervisergruppe m.fl.)
- 2011: *Baggrundsrapport for Projekt: Nye læringsformer i klinikken* (medforfatter med gruppe på tværs af Region Sjælland og UCSJ)
- 2003: *Reflectivity and Tertiary Chemistry Oriented Education*, ph.d.-afhandling, Københavns Universitet (forsvaret og accepteret april 2004)
- 2002: *Dannelsens vilkår - på de tertiære kemiorienterede uddannelser på Danmarks Farmaceutiske Højskole og Københavns Universitet*, Papers fra DCN no. 19 (med Hansen, T. B.)
- 2001: 'Bildung' - a Useful Perspective on Tertiary Chemical Education?, i: R. H. Evans, H. Sørensen, A. M. Andersen (red.): *Bridging Research Methodology and Research Aims*, Copenhagen: The Danish University of Education, pp. 114-121

- 1998: *Molecular Cloning, Genomic Organization, Developmental Regulation of a Novel Leu-Rich Repeats-Containing G Protein-Coupled Receptor (DLGR-2) from Drosophila melanogaster*, kandidatspeciale, Cellebiologisk-Anatomisk Laboratorium, Zoologisk Institut, Københavns Universitet

### **Bøger (redaktion)**

- 2015: *Velfærd, teknologi og læring i et professionsperspektiv*. Sorø: UCSJ Forlag (redaktør med Helms, N. H., Hansbøl, M. & Vestbo, M.)
- 2015: *Fat Teknologien*. Perspektiver på velfærdsteknologi, professionsarbejde og -uddannelse fra VIOL-projektet. Sorø: UCSJ Forlag (redaktør; produktion v. Jørnvil, M.)
- 2003: *'If Reform of University Science Education Is the Answer – What Were the Questions? Proceedings from the 3rd DCN Conference May 2003*. København. (CND's skriftserie; No. 7) (redaktør med Carter, J., Horst, S. & Troelsen, R. P.)

### **Anden formidling - udvalgt**

- 2016: Velfærdsteknologi i sundhedsuddannelserne i Danmark. Nordens Velfærdscenter under Nordisk Råd, under udgivelse (med Schlüntz, D.)
- 2015: Forsknings- og udviklingsarbejde i University College Sjælland med fokus på ældreområdet, formidlingsartikel i *Nyt om Gammelt. Nyhedsbrev fra Dansk Gerontologisk Selskab* (med Andresen, M.)
- 2014: Kompetenceudvikling i koblinger mellem uddannelse og forskning, formidlingsartikel i *FSUS Uddannelsesnyt nr. 3* (med Bagger, B., Vestergaard, K., Maglekær, M., Grønvold, T., Jonasson, M.)
- 2011: The Relay Model - A Design for Research Based Bachelor Projects In Biomedical Laboratory Science, NML Congress, København (15.09.2011)
- 2011: Sammenhæng mellem teori og klinisk uddannelse – om intermediære uddannelsesrum mellem teori og praksis, inviteret præsentation på Temadag om uddannelse i Psykiatrien, Region Sjælland (29.11.2011)
- 2010: Bioanalytikere i krydsild, faglig artikel [www.dbio.dk](http://www.dbio.dk) (med Elley, T.)

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## CURRICULUM VITAE

Jan Kyrre Berg Olsen Friis

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**Areas of Interest:** Hermeneutics; Phenomenology; Philosophy of Science & Technology; Science and Technology Studies; Philosophy of Medicine; Visual Perception; Philosophy of Time, Neo-Platonic Catholic Theology; Zen Buddhism.

### Education:

1999 – 2002 Roskilde University, Denmark

#### **Doctor of Philosophy**

Areas of research:

Philosophy of Science; Philosophy of Time; Epistemology (Analytical and Continental traditions); History of Time Technologies; Philosophy of Physics; Phenomenology.

1993 – 1995 University of Oslo, Norway

#### **Master of Arts (Philosophy)**

Areas of research:

Epistemology; Philosophy of Science; Metaphysics; Ethics.

1988 – 1993 University of Oslo, Norway

#### **Bachelor of Arts (Cand. Mag.)**

1. Philosophy: Epistemology & Cognition (major thesis).
2. History of Ideas.
3. History of Religion.

### Post-Graduate

#### **Courses:**

2011 March-December, University of Copenhagen

#### **Pedagogy for University Lecturers**

## Visiting Scholarships:

25.01.2012 – 30.05.2012

Visiting Scholar at the Technoscience Group, Department of Philosophy, Stony Brook New York State University, Long Island, USA: Research on technology and intentionality: image technologies and human perceptual interaction & the Co-organization of the Manhattan Conference, March 2012.

15.01.2001 – 30.04.2001

Department for Philosophy and History of Science and Center for Philosophy of Science, University of Pittsburgh, USA: Research on Epistemology, Philosophy of Science and Philosophy of Time.

## Work Experience:

01.03.2012 – present

- Associate Professor of Philosophy of Medical Science & Technology,
- Deputy Director at MeST – Centre for Medical Science and Technology Studies, Section of Health Services Research, Department of Public Health, University of Copenhagen.
- Research on image perception, hermeneutics and communication.
- Scientific Board member of *Philosophy & Technology*, Springer.
- Course Manager for the theory of science module in Molecular Biomedicine.
- Course Manager for the theory of science module in Public Health Science.
- Course Manager for the theory of science module in Odontology.
- Course Manager for the theory of science module in Master of Public Health.
- Course Manager for the theory of science module in the Master programme Cand. Scient. San.
- Lecturer of science studies in Medicine, Master of Public Health, Odontology, PhD-courses, Cand. Scient. San., Public Health Science, and IT & Sundhed.
- Board member of the Bachelor Program in Public Health Science Committee.
- Board member of the Post-Graduate Research Program in Medical Science and Technology Studies (FPSTS), Faculty of Health Sciences, University of Copenhagen since 2010.

01.01.2010 – 29.02.2012

- Assistant Professor of Philosophy of Science & Technology,
- Deputy Director at MeST – Centre for Medical Science and Technology Studies, Section of Health Services Research, Department of Public Health, University of Copenhagen.
- Initiated and took part in establishing Centre for Medical Science and Technology Studies (MeST), launched December 2, 2010 – Deputy Director of MeST since August 30<sup>th</sup>, 2010.
- Research on image perception, embodiment and theory ladenness in medicine.
- Executive Editor of *Philosophy & Technology*, Springer.
- Course Manager for the theory of science module in Molecular Biomedicine.
- Course Manager for the theory of science module in Public Health Science.
- Course Manager for the theory of science module in Master of Public Health.
- Course Manager for the theory of science module in the Master programme Cand. Scient. San.
- Lecturer of science studies in Medicine, IT & Health, Master of Public Health, Odontology, PhD-courses A & B, Cand. Scient. San., and FSV.
- Board member of the Committee Responsible for the Bachelor Program in Public Health Science.
- Board member & Treasurer: Danish Society for Medical Philosophy, Ethics and Method (DSMFEM), since 2007.
- Board member of the Post-Graduate Research Program in Medical Science and Technology Studies (FPSTS), Faculty of Health Sciences, University of Copenhagen since 2010.

17.10.2007 – 31.12.2009

Department of Health Services Research, Institute of Public Health, University of Copenhagen

- Post. Doc.
- Research on perception in medicine and theory ladenness in the evaluation of technologically mediated images.
- Course Manager for the theory of science module in Molecular Biomedicine.



- Course Manager for the theory of science module in the Master programme Cand. Scient. San.
- Lecturer of science studies in Medicine, Master of Public Health, Deontology, PhD-courses.
- Board member & Treasurer: Danish Society for Medical Philosophy, Ethics and Method (DSMFEM).

01.10.2004–30.06.2007

Section for Philosophy and Science Studies, Roskilde University, Denmark

- Part Time Lecturer / Researcher
- Reviewer for *Synthese - An International Journal for Epistemology, Methodology and Philosophy of Science*, Springer.
- Reviewer for *Foundations of Science*, Kluwer Academic Press (Springer).
- Teaching and supervision of Bachelor of Arts and Master of Arts students in philosophy of technology and science studies.
- Editor of several book projects on interrelated issues of technology, science, politics and ethics.
- Finalizing a report on research areas, trends and personalities within Science & Technology Studies.
- Planning of several book projects and conferences.
- Creating a network of international contacts within philosophy of technology.

01.09.2002–31.09.2004

- Independent writer and lecturer
- Concluded writing and editing the anthology: *Tid – fysiske, filosofiske og videnskabsteoretiske perspektiver*, Biofolia, 2003, (published February 2004).
- Invited lecturer.

01.09.1999–31.08.2002

Section for Philosophy and Science Studies, Roskilde University, Denmark

- Research Fellow – Doctorate scholarship
- Concluded (August 2002) a Ph.D. dissertation within the *Science Studies program* at Roskilde University.
- Supervision of undergraduates and Master of Art students on projects related to Epistemology, Philosophy of Time, History of Philosophy and Theory of Science.

01.02.1998–31.08.1999

Section for Philosophy and Science Studies & Undergraduate Studies in the Humanities, Roskilde University, Denmark.

- Part-time lecturer
- Supervising and lecturing undergraduates in Philosophy (Epistemology and metaphysics), History and Theory of Science.
- Lecturing on the history of philosophy
- Examination of Students.

1997 (Spring Term)

Norwegian University Extension, Solør, Norway

- Lecturer
- Organizing and lecturing the full course and lecturing in Epistemology, History of Philosophy and History of Science, Philosophy of Science and Logic. This course leads to *Examen Philosophicum* – a compulsory exam for admission to Norwegian Universities.

1996 (Fall Term)

Norwegian University Extension, Elverum, Norway

- Lecturer
- Organizing and lecturing the full course and lecturing in Epistemology, History of Philosophy and History of Science, Philosophy of Science and Logic.

1996 (Spring Term)

Department of Philosophy, University of Oslo, Norway

- Censor
- Censoring written exams for *Examen Philosophicum*.

September 1994–May 1995

Department of Philosophy, University of Oslo, Norway

- Part-time lecturer

- Supervising and lecturing undergraduates in Epistemology, History of Philosophy and Philosophy of Science
- Lecturing on Theory of Knowledge or Epistemology
- Examination of Students

June 1992 – June 1997

Ullvin, Institution for Treatment of Drug Abuse, Oslo, Norway

- Therapist (full time position)
- Treatment of drug abusers with HIV.

June 1985 – May 1992

Dikemark Psychiatric Hospital, Asker, Norway

- Therapist (full time position)
- Treatment of young people with schizophrenia and autism.

April 1986 – April 1987

Army

- Leader of Machine Gun Team – His Majesty the King's Guard (HMKG), Norway.

### **Organization of Conferences & some Conference Talks:**

Paper on interpretation in the medical practices, Aarhus University April 22, 2015 – invited by the Biomedicine and the Philosophy of Public Health Sciences network, together with The Philosophy of Science network.

Paper on Communication and Health Care, 4S conference San Diego, October 2013.

Paper on Hermeneutics in Radiological Practice, The Design and displacement 4S conference in Copenhagen, October 2012.

Organizing: Technoscience on Manhattan (with Chair and Professor Robert Crease, Institute of Philosophy, Stony Brooke University, Long Island, NY). Manhattan, New York 22-25 March 2012.

Organizing: Experimental Philosophy as Philosophy of Medicine (together with Peter Rossel), University of Copenhagen. CSS, June 2009.

Organizing: DSMFEM conferences 2007-2011.

Organizing: Shifting approaches in the historiography of exact sciences. Carlsberg Academy, November 17-18, 2005.

Organizing: Copenhagen Conference on the Philosophy of Technology. Carlsberg Academy, October 13-15, 2005. (The first international Philosophy of Technology conference in Denmark ever).

Paper on Philosophy of Technology, Danish Philosophical Society 2006.

Paper on Natural Sciences and Time, University of Southern Denmark, Odense October 2004.

Invited speaker Twente University – Conference on Technological Mediation and the relationship between science and technology. November 2016.

### **Committee Work/ Assessments:**

Assessment of Associate professorship Aalborg University, 2012.

Assessment of application for a Research grant for the Netherlands Research Council, 2014.

Assessment of Assistant professorship IFSV, CSS, Copenhagen University, May 2015.

Assessment of PhD dissertation, Chairman of the assessment committee – June-August 2015.

# Publications

## Papers:

The Interpretative Value of Information. *The Routledge Handbook of Philosophy of Information*, Edited by Luciano Floridi. Routledge Handbooks. 2016.

Gestalt descriptions: Embodiments and medical image interpretation. *AI & Society*, Springer. 2015.

Measure and the Measureless. *Philosophy & Technology*, Springer. 2013

Interpreting the Visual. In 'Book Symposium on Don Ihde's Expanding Hermeneutics', *Philosophy & Technology*. Springer. 2012.

Perception: Embodiment and Beyond. In 'Opening up the In-between: Interdisciplinary Reflections on Science, Technology and Social Change'. *Foundations of Science*. 2011.

Philosophy of Technology. In *Oxford Bibliographies Online: Philosophy*. Ed. Duncan Pritchard. New York: Oxford University Press, 2010-05-10. 2010.

Technology and Science Epistemology, Rationality and the Empirical Turn. Special Edition of *Synthese - An International Journal for Epistemology, Methodology and Philosophy of Science*, Springer. 2009. (Together with Frederik Votmann Christiansen).

Metaphysics and Time. In *FORUM PHILOSOPHICUM – International Journal for Philosophy* 13. Nr. 2, Spring 2008, pp.367-382.

The Real-Ideal Divide. In *LYCEUM*, Volume 10, number 1, Fall 2008.

Tidserfaring og tidsbegreb. In *Aktuel Naturvidenskab* nr. 1/2004.

Uforanderlighedens metafysik. In *Norsk Filosofisk Tidsskrift*, Vol. 38, nr. 4, Universitetsforlaget, Oslo 2003.

Tid og intuisjon. In *Reflexioner – faglig og visuel revy #1*, October 2002, Copenhagen.

Temporalitet og realisme. In *Norsk Filosofisk Tidsskrift*, Vol. 36, nr. 1-2, Universitetsforlaget, Oslo 2001.

## Contributions in books:

The Interpretative Value of Information. In Luciano Floridi (Ed.) *The Routledge Handbook of Philosophy of Information*. Forthcoming 2016.

Communicating technological mediations. In *Postphenomenological methodologies – new ways in mediating techno-human relationships*. Editors: Jesper Aagaard, Oliver Tafdrup, Cathrine Hasse & Jan Kyrre Berg Olsen Friis. Lexington Books. Forthcoming 2016.

Towards a hermeneutics of unveiling. In Robert Rosenberger, Peter-Paul Verbeek & Don Ihde (Eds.) *Postphenomenology*. Lexington Books. Forthcoming 2015.

Hvad har hermeneutik med radiologisk praksis at gøre? Om kunsten at percipere virkeligheder indirekte. In Kasper Schiølin og Søren Riis (red.) *Nye spørgsmål om teknikken*. Århus: Aarhus Universitetsforlag. 2013.

Becoming through Technology. In Jan Kyrre Berg Olsen Friis, Evan Selinger & Søren Riis, *New Waves in Philosophy of Technology*, Palgrave Macmillan, 2008.

Becoming through Technology. In Andersen, H.B., Christiansen, F.V., Jørgensen, K.F. and Hendricks, V. (eds.): *The Way Through Science and Philosophy: Essays in Honour of Stig Andur Pedersen*, London: College Publications, 2006.

Temporalitet og realisme. In Claus Emmeche, red., 2002, *Kompendium i naturfilosofi – naturvidenskabernes teori, grundlagsproblemer og verdensbilleder*, Center for the Philosophy of Nature and Science Studies at the Faculty of Science, University of Copenhagen, Niels Bohr Institute.

Some Neglected Aspects in Connection with the Objectification of Time. In Hendricks, V.F. & Ryberg, J., eds., 2001, *Readings in Philosophy & Science Studies, Vol. 1*, Roskilde University Press.

### **Work in Progress:**

*Postphenomenological methodology – new ways in mediating techno-human relationships*. Editors: Jesper Aagaard, Oliver Tafdrup, Cathrine Hasse & Jan Kyrre Berg Olsen Friis. Lexington Books. Forthcoming 2016.

Philosophy of Technology 1946-2010 in *Cambridge History of Philosophy*, Volume 7. Editors Kelly Michael Becker and Iain Thomson. Forthcoming 2017.

Postphenomenology, to be published in special Issue of *AI & Society*. Editor Arun Tripathi. Forthcoming 2017.

### **Reports:**

Aktuelle problemstillinger og centrale forskere indenfor moderne teknologifilosofi, Udarbejdet for Sektion for Filosofi og Videnskabsteori, Roskilde Universitetscenter. December 2004.

### **Book Reviews:**

Celebrating Don Ihde – Review of *Postphenomenology: A Critical Companion to Ihde*, ed. Evan Selinger, SUNY Press, New York, 2006. Commissioned review by *Janus Head – Journal of Interdisciplinary Studies in Literature, Continental Philosophy, Phenomenological Psychology and the Arts*. ISSN: 1524-2269.

### **Online Publications:**

Nærværets rationalitet, (ISSN 1399-2996)

Videnskaben om den erfarne tid, juni 2004, (ISSN 1399-2996)

### **Special Editions & Journal Symposiums:**

Book Symposium on Robert Crease's Measurement, *Philosophy & Technology*, Springer. Forthcoming 2013.

Book Symposium on Don Ihde's Expanding Hermeneutics – Visualism in Science, *Philosophy & Technology*. Springer. January 2012.

Special Edition: Technology and Science: Epistemological Paradigms and New Trends. *Synthese - An International Journal for Epistemology, Methodology and Philosophy*. Springer, 2009.

### **Books (edited and authored):**

*Technoscience and Postphenomenology: The Manhattan Papers*. Editors: Jan Kyrre Berg Olsen Friis & Robert Crease. Lexington Books. Forthcoming 2015.

*Philosophical Practice*. New York & London: Automatic Press/VIP. Anthology. (With Jeanette Bresson Ladegaard Knox). 2012.

*Philosophy of Medicine*. New York & London: Automatic Press/VIP. Anthology. (With Peter Rossel and Michael Slott Norup). 2011.

*Evolutionary Theory*. New York & London: Automatic Press/VIP. Anthology. (With Gry Oftedal, Peter Rossel and Michael Slott Norup). 2010.

*A Companion to the Philosophy of Technology*. Blackwell-Wiley. Anthology. (With Vincent F. Hendricks and Stig Andur Pedersen). 2009. Revised Paperback Edition 2012.

*Thinking Time*. Berlin: VDM Verlag. Monograph. 2009.

*New Waves in Philosophy of Technology*. London: Palgrave Macmillan. Anthology. (With Evan Selinger and Søren Riis). 2008.

*Teknologi og Virkelighed*. Aarhus: Philosophia. Anthology. (With Stig Andur Pedersen). 2008.

*Philosophy of Technology*. New York & London: Automatic Press/VIP. Anthology. (With Evan Selinger). 2007.

*Tid – fysiske, filosofiske og videnskabsteoretiske perspektiver*. Fredriksberg: Biofolia. Anthology. 2003.

*Time in Experience and Science*. Filosofi og Videnskabsteori på Roskilde Universitetscenter, 1. Række: Enkeltpublikationer, Nr. 1., Roskilde: Roskilde University Press. (ISBN 87-7349-560-3). Monograph. 2003.

**Fortegnelse over bedømmelsesudvalg til  
stilling 201722 - Assistant Professor in Wireless Communication networks with focus on connectivity  
for real time cyber physical systems ved Department of Electronic Systems**

**Navn:** Professor Klaus I. Pedersen  
**Arbejdssted:** Department of Electronic Systems  
**E-mail:** kip@es.aau.dk

**Navn:** Associate Professor Olav Tirkkonen  
**Arbejdssted:** Department of Communications and Networking, Aalto University  
**E-mail:** olav.tirkkonen@aalto.fi

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 Wireless Communication networks with focus on connectivity for real time cyber physical systems

## Position No.

201722

At the Technical Faculty of IT and Design, Department of Electronic Systems, a position as Assistant Professor in Wireless Communications Networks with focus on connectivity for real time cyber physical systems is open for appointment from 1.10.2017 or soon hereafter. The position is available for 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

Research focus will be within wireless network solutions for real-time cyber-physical systems with ultra-reliability and low latency.

Real-time cyber-physical systems require reliable and low latency network connectivity, a requirement that in the past has hindered the possibility of using wireless networks to provide such connectivity. One promising technology to greatly improve the connectivity is to use large antenna arrays at both the user equipment side and at the access point side; this will enable improvements in multipath channel stability and inter-cell interference reduction. Additionally, the use of multiple point transmission and reception (macro diversity) will further increase link reliability - especially during mobility between two access points. The target scenarios are mainly outdoor public wide area cellular networks plus small private cellular networks for dedicated service areas. Use cases are mainly connected vehicles - both terrestrial and aerial. The positions should especially strengthen research within large antenna array solutions (4 or more antenna elements) at the user equipment.

The WCN section at Department of Electronic Systems - Aalborg University is seeking an Assistant Professor where the main research topics, teaching and tasks to be conducted are, but not limited to:

- Design of multi-antenna and advanced transceiver techniques tailored for reliable low latency mobile connectivity for real time cyber-physical systems;
- Design and conduct experimental research for radio propagation measurements and modelling for the targeted scenarios;
- Development of simulator and proof-of-concepts testbed platforms for evaluation/demonstration of the developed algorithms and techniques;
- Disseminate the findings towards 3GPP standardization body via industrial partners.

The candidate should have a PhD degree within Wireless Communication and documented research competences at an international level high level. In particular, it is important to have research experience in the area of multi-antenna techniques, advanced transceiver design and a deep understanding of LTE (and coming NR). The candidate is expected to provide (co-) supervision of PhD and Master Students, therefore familiarity and experience with the PBL paradigm is a plus. Further, the candidate should have a solid background with general-purpose scientific computing languages, such as Matlab and C/C++.

Teaching will primarily be in Wireless Communications, but also in other study programmes at the University.

The position has duration of 3 years and the candidate will be employed at the Wireless Communication Networks (WCN) section at the Department of Electronic Systems.

You may obtain further professional information from Professor Preben Mogensen, phone: +45 9940 8658, email: pm@es.aau.dk.

## 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 [hr-tech@adm.aau.dk](mailto:hr-tech@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**

20/07/2017

### **[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.





## **Olav Tirkkonen**

Associate Professor, Communication Theory

Electrical engineering  
Department of Communications and Networking

## **Visiting address**

Room E218, Otakaari 5 A, Espoo  
Otakaari 5  
FIN-02150  
Espoo  
Finland

## **Postal address**

P.O. Box 13000  
FIN-00076  
Aalto  
Finland

## **Curriculum vitae**

Olav Tirkkonen is associate professor in Communication theory at the Department of Communications and Networking in Aalto University, Finland, since November 2012. He received his M.Sc. and Ph.D. degrees in physics from Helsinki University of Technology in 1990 and 1994, respectively. Between 1994 and 1999 he held post-doctoral positions at the University of British Columbia, Vancouver, Canada, and the Nordic Institute for Theoretical Physics, Copenhagen, Denmark. From 1999 to 2010 he was with Nokia Research Center (NRC), Helsinki, Finland, most recently acting as Research Fellow. At NRC he first concentrated on physical layer research on

multiantenna communication. In 2004-2006 he was leading the Nokia-wide research for the physical layer standardization of UTRA Long Term Evolution. In 2006-2012 he was professor in telecommunications at Helsinki University of Technology. As of fall 2012, he has published some 130 papers, is the coinventor of some 70 families of patents and patent applications and coauthor of the book "Multiantenna transceiver techniques for 3G and beyond". His current research interests are in multiantenna techniques, cognitive cellular systems, and self-organization of wireless networks.

Publikationer:

### **Statistical Analysis of Path Losses for Sectorized Wireless Networks**

Xu, Jing; Yan, Xiaojun; Zhu, Yuanping; Wang, Jiang; Yang, Yang; Ge, Xiaohu; Mao, Guoqiang; Tirkkonen, Olav  
2017 in IEEE TRANSACTIONS ON COMMUNICATIONS  
ISSN: 0090-6778

### **From random matrix theory to coding theory Volume of a metric ball in unitary group**

Wei, Lu; Pitaval, Renaud Alexandre; Corander, Jukka; Tirkkonen, Olav  
2017 in IEEE TRANSACTIONS ON INFORMATION THEORY  
ISSN: 0018-9448

### **Performance evaluation of best-path selection in a multihop decode-and-forward cooperative system**

Bhatnagar, Manav R.; Mallik, Ranjan K.; Tirkkonen, Olav  
2016 in IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY  
ISSN: 0018-9545

### **Volume of metric balls in high-dimensional complex Grassmann manifolds**

Pitaval, Renaud Alexandre; Wei, Lu; Tirkkonen, Olav; Corander, Jukka  
2016 in IEEE TRANSACTIONS ON INFORMATION THEORY  
ISSN: 0018-9448

### **On Fixed-Point Implementation of Log-MPA for SCMA Signals**

Liu, Jiaqi; Wu, Gang; Li, Shaoqian; Tirkkonen, Olav  
2016 in IEEE WIRELESS COMMUNICATIONS LETTERS  
ISSN: 2162-2337

### **Consensus-based Spectrum Sensing in Cognitive Radio Networks**

Ermolova, Natalia Y.; Tirkkonen, Olav  
2016 in EAI Endorsed Transactions on Cognitive Communications  
ISSN: 2313-4534

**Using beta distributions for modeling distances in random finite networks**

Ermolova, Natalia Y.; Tirkkonen, Olav  
2016 in IEEE COMMUNICATIONS LETTERS  
ISSN: 1089-7798

**Ultra-reliable link adaptation for downlink MISO transmission in 5G cellular networks**

Oruthota, Udes; Ahmed, Furqan; Tirkkonen, Olav  
2016 in Information  
ISSN: 2078-2489

**Simulated annealing variants for self-organized resource allocation in small cell networks**

Ahmed, Furqan; Tirkkonen, Olav  
2016 in APPLIED SOFT COMPUTING  
ISSN: 1568-4946

**Convergence of Gradient Descent for Low-Rank Matrix Approximation**

Pitaval, Renaud-Alexandre; Dai, Wei; Tirkkonen, Olav  
2015 in IEEE TRANSACTIONS ON INFORMATION THEORY  
ISSN: 0018-9448

**FULL-DUPLEX SELF-BACKHAULING FOR SMALL-CELL 5G NETWORKS**

Pitaval, Renaud-Alexandre; Tirkkonen, Olav; Wichman, Risto; Pajukoski, Kari; Laettkangas, Eeva; Tirola, Esa  
2015 in IEEE WIRELESS COMMUNICATIONS  
ISSN: 1536-1284

**Cumulative Distribution Function of Bivariate Gamma Distribution With Arbitrary Parameters and Applications**

Ermolova, Natalia Y.; Tirkkonen, Olav  
2015 in IEEE COMMUNICATIONS LETTERS  
ISSN: 1089-7798

**Coordination protocol for inter-operator spectrum sharing in co-primary 5G small cell networks**

Singh, Bikramjit; Hailu, Sofonias; Koufos, Konstantinos; Dowhuszko, Alexis Alfredo; Tirkkonen, Olav; Jäntti, Riku; Berry, Randall  
2015 in IEEE Communications Magazine  
ISSN: 0163-6804

**Link Adaptation of Precoded MIMO-OFDMA System with I/Q Interference**

Oruthota, Udes; Tirkkonen, Olav  
2015 in IEEE TRANSACTIONS ON COMMUNICATIONS  
ISSN: 0090-6778

**Outage Probability Analysis in Generalized Fading Channels with Co-Channel Interference and Background Noise:  $\eta$ - $\mu$ / $\eta$ - $\mu$ ,  $\eta$ - $\mu$ / $\kappa$ - $\mu$  and  $\kappa$ - $\mu$ / $\eta$ - $\mu$  Scenarios**

Ermolova, Natalia Y.; Tirkkonen, Olav  
2014 in IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS  
ISSN: 1536-1276

**Error-rate analysis of OFDM radio link over mobile Rayleigh channel under multiple RF impairments**

Ermolova, Natalia; Zou, Yaning; Valkama, Mikko; Tirkkonen, Olav  
2014 in IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY  
ISSN: 0018-9545

**Multi-source Signal Detection with Arbitrary Noise Covariance**

Wei, Lu; Tirkkonen, Olav; Liang, Ying-Chang  
2014 in IEEE TRANSACTIONS ON SIGNAL PROCESSING  
ISSN: 1053-587X

**SoftMobile: Control Evolution for Future Heterogeneous Mobile Networks**

Chen, Tao; Zhang, Honggang; Chen, Xianfu; Tirkkonen, Olav  
2014 in IEEE WIRELESS COMMUNICATIONS  
ISSN: 1536-1284

**Laplace Transform of Product of Generalized Marcum Q, Bessel I, and Power Functions with Applications**

Ermolova, Natalia; Tirkkonen, Olav  
2014 in IEEE TRANSACTIONS ON SIGNAL PROCESSING  
ISSN: 1053-587X

**Joint Grassmann-Stiefel Quantization for MIMO Product Codebooks**

Pitaval, Renaud-Alexandre; Tirkkonen, Olav  
2014 in IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS  
ISSN: 1536-1276

**Multiple Primary User Spectrum Sensing in the Low SNR Regime.**

Wei, Lu; Dharmawansa, Prathapasinghe; Tirkkonen, Olav  
2013 in IEEE TRANSACTIONS ON COMMUNICATIONS  
ISSN: 0090-6778

### **On the Ergodic Mutual Information of Multiple Cluster Scattering MIMO Channels**

Wei, Lu; Zheng, Zhong; Tirkkonen, Olav; Hämäläinen, Jyri  
2013 in IEEE COMMUNICATIONS LETTERS  
ISSN: 1089-7798

### **Link Performance Bounds of MIMO Transmit Beamforming Systems Operating over Generalized Fading Channels**

Ermolova, Natalia; Tirkkonen, Olav  
2013 in IEEE COMMUNICATIONS LETTERS  
ISSN: 1089-7798

### **Energy Efficient Inter-Frequency Small Cell Discovery Techniques for LTE-Advanced Heterogeneous Network Deployments**

Prasad, Athul; Tirkkonen, Olav; Lundén, Petteri; Yilmaz, Osman N.C; Dalsgaard, Lars; Wijting, Carl  
2013 in IEEE Communications Magazine  
ISSN: 0163-6804

### **On the ergodic mutual information of multi-cluster scattering MIMO channels**

Wei, Lu; Zheng, Zhong; Tirkkonen, Olav; Hämäläinen, Jyri  
2013 in IEEE COMMUNICATIONS LETTERS  
ISSN: 1089-7798

### **A Blind Time-Reversal Detector in the Presence of Channel Correlation**

Zheng, Zhong; Wei, Lu; Hämäläinen, Jyri; Tirkkonen, Olav  
2013 in IEEE Signal Processing Letters  
ISSN: 1070-9908

### **PL Decoding in Double Differential Modulation Based Decode-and-Forward Cooperative System**

Bhatnagar, Manav R; Tirkkonen, Olav  
2013 in IEEE COMMUNICATIONS LETTERS  
ISSN: 1089-7798

### **Approximation to Distribution of Product of Random Variables Using Orthogonal Polynomials for Lognormal Density**

Zheng, Zhong; Wei, Lu; Hamalainen, Jyri; Tirkkonen, Olav  
2012 in IEEE COMMUNICATIONS LETTERS  
ISSN: 1089-7798

### **Impact of Transceiver I/Q Imbalance on Transmit Diversity of Beamforming OFDM Systems**

Maham, Behrouz; Tirkkonen, Olav; Hjørungnes, Are  
2012 in IEEE TRANSACTIONS ON COMMUNICATIONS  
ISSN: 0090-6778

**Spectrum sensing in the presence of multiple primary users**

Wei, Lu; Tirkkonen, Olav  
2012 in IEEE TRANSACTIONS ON COMMUNICATIONS  
ISSN: 0090-6778

**Transmit Antenna Selection OFDM Systems With Transceiver I/Q Imbalance**

Maham, Behrouz; Tirkkonen, Olav  
2012 in IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY  
ISSN: 0018-9545

**Multivariate eta-mu fading distribution with constant correlation model**

Ermolova, Natalia Y.; Tirkkonen, Olav  
2012 in IEEE COMMUNICATIONS LETTERS  
ISSN: 1089-7798

**Algorithms for Self-Organized Resource Allocation in Wireless Networks**

Peltomaki, Matti; Koljonen, Juha-Matti; Tirkkonen, Olav; Alava, Mikko  
2012 in IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY  
ISSN: 0018-9545

**CSI Feedback for Dynamic Switching between Single User and Multiuser MIMO**

Määttänen, Helka-Liina; Tirkkonen, Olav; Koivisto, Tommi; Enescu, Mihai  
2012 in WIRELESS PERSONAL COMMUNICATIONS  
ISSN: 0929-6212

**Opportunistic Multiple Relay Selection with Diverse Mean Channel Gains**

Yu, Chia-Hao; Tirkkonen, Olav  
2012 in IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS  
ISSN: 1536-1276

**Distribution of diagonal elements of a general central complex Wishart matrix**

Ermolova, Natalia Y.; Tirkkonen, Olav  
2012 in IEEE COMMUNICATIONS LETTERS  
ISSN: 1089-7798

**Outage probability over composite eta-mu fading-shadowing radio channels**

Ermolova, Natalia Y; Tirkkonen, Olav  
2012 in IET COMMUNICATIONS  
ISSN: 1751-8628

**SER/BER Expression for M-QAM OFDM Systems with Imperfect Channel Estimation and I/Q Imbalance**

Oruthota, Udes; Tirkkonen, Olav  
2012 in EURASIP JOURNAL ON WIRELESS COMMUNICATIONS AND NETWORKING  
ISSN: 1687-1472

**Fortegnelse over bedømmelsesudvalg til  
stilling P21717 Postdoc in Speech Intelligibility Enhancement for Hearing Assistive Devices.  
ved Department of Electronic Systems**

**Navn:** Professor Jesper Jensen

**Arbejdssted:** Department of Electronic Systems, AAU

**E-mail:** [jje@es.aau.dk](mailto:jje@es.aau.dk)

**Navn:** Professor Søren Holdt Jensen

**Arbejdssted:** Department of Electronic Systems, AAU

**E-mail:** [shj@es.aau.dk](mailto: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 for Hearing Assistive Devices.

Godkendt d. 1-8-17  
Eskild Holm Nielsen  
dekan

### Position No.

P21717

At the Technical Faculty of IT and Design, Department of Electronic Systems, a position as postdoc in Speech Intelligibility Enhancement for Hearing Assistive Devices is open for appointment from 1. September, 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 machine learning, statistical signal processing, information theory, acoustic signal processing or similar. Furthermore, knowledge of (impaired) 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](mailto:jje@es.aau.dk)) or Professor Søren Holdt Jensen (phone: +45 9940 8654, email: [shj@es.aau.dk](mailto:shj@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.
- 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](mailto: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**

23/07/2017

### **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 Postdoc in Environmental geography and geoinformatics (P21721) ved PLAN**

**Navn:** Lektor Henning Sten Hansen

**Arbejdssted:** AAU, PLAN

**E-mail:** hsh@plan.aau.dk

**Navn:** Lektor Martin Lehman

**Arbejdssted:** PLAN, AAU

**E-mail:** martinl@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 Environmental geography and geoinformatics (P21721)

Godkendt af \_\_\_\_\_

**Position No.**  
P21721

  
Eskild Holm Nielsen  
dekan

At Technical Faculty of IT and Design, Department of Planning, Aalborg a position as Postdoc in Environmental geography and geoinformatics is open for appointment from 1 September 2017 for a two years' period. 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 mainly be within a project related climate change adaptation in small coastal towns and cities, but other involvement in other research projects can be expected. Limited teaching within the geoinformatics and environmental geography can be expected, but also in other study programmes at the University.

You may obtain further professional information from professor Henning Sten Hansen, +4528156464, [hsh@plan.aau.dk](mailto:hsh@plan.aau.dk) or associate professor Martin Lehman, +4599408422, [martinl@plan.aau.dk](mailto:martinl@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.
- 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](mailto:nkh@adm.aau.dk) or phone (+45) 9940 7907

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**

20/06/2017

**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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**Fortegnelse over bedømmelsesudvalg til  
stilling P21723 Postdoc in Computer Science ved Department of Computer Science**

**Navn:** Associate Professor Katja Hose  
**Arbejdssted:** Department of Computer Science, AAU  
**E-mail:** khose@cs.aau.dk

**Navn:** Associate Professor Christian Thomsen  
**Arbejdssted:** Department of Computer Science, AAU  
**E-mail:** chr@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 in Computer Science

## Position No.

P21723

At the Technical Faculty of IT and Design, Department of Computer Science a position as Postdoc in Computer Science is open for appointment from September 1, 2017 or soon hereafter. The position is open for 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

The project concerns new directions in query processing over Semantic Web data.

### Requirements:

The ideal candidate has advanced experiences in Semantic Web Technologies, in particular RDF, SPARQL, Linked Open Data, and federated query processing over SPARQL endpoints. The candidate needs to have strong experiences with implementing solutions with Jena and Virtuoso. The candidate also needs to have a strong background in query rewriting using views, query decomposition, and source selection in the context of SPARQL query processing. The ideal candidate already has experience as a postdoc and working in an international environment.

For further information about the project, please contact Associate Professor Katja Hose ([khose@cs.aau.dk](mailto:khose@cs.aau.dk)).

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

## 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 [HR-TECH@adm.aau.dk](mailto:HR-TECH@adm.aau.dk).

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

28/06/2017

**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.



**Fortegnelse over bedømmelsesudvalg til  
stilling P21727 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](mailto:dimon@es.aau.dk)

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

P21727

At the Technical Faculty of IT and Design, a position as postdoc in Joint Optimization of Heat and Power Systems is open for appointment from August 15, 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.

### 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](mailto: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.
- 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](mailto: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**

01/08/2017

**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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