

NEWS FROM THE DEPARTMENT MANAGEMENT
SPRING 2024

MADS GRÆSBØLL CHRISTENSEN



AALBORG UNIVERSITY
DENMARK

AGENDA

- General news
- News from the department
- Positions
- Duties of scientific staff
- Student applications
- Equipment and lab facilities
- Task forces
- Highlights
- AAU Innovation



GENERAL NEWS

- Time registration (read more at www.arbejdstidsregistrering.aau.dk)
- Pre-approval of travel activities
- Work on Candidate Reform still ongoing
- Folkemødet: Research scene for thematic debates, presentations + Q&A
- Opportunities within defense technology for our dept. in 2024 and 2025!



NEWS FROM THE DEPARTMENT

- 53 mio DKK in new grants reached already!
- We are no.1 at AAU in terms of company research contracts!
- Technology Day on Satellite and Non-Terrestrial Networks to be held in the fall of 2024.
- The department will host the National Space Conference in 2025
- Department heavily involved in NFC, AAU Defense, etc.
- Planning of TECH Lab and renovation of FRB7 complex ongoing.



NEWS FROM THE DEPARTMENT

- Research Evaluation of 2019—2023 process initiated
- Continuing education: 1 course is already completed, 2 are being planned with IDA, and 3 are organized by AAU
- New deputy HoD has been visiting research groups
- Young Researcher Event to be held at AAU INNOVATE on May 15!



POSITIONS

- Call for Assistant Professors in edge computing/cyber security in CPH
 - 44 applicants, 16 shortlisted, 12 invited to interview
- Call for Assistant Professors in Aalborg
 - 64 applicants, 13 shortlisted
- Call for Assoc. Prof in Robotics in Aalborg

STUDENT APPLICATIONS

BA	1. prioritetsansøgninger pr. 17/3			Kvote 2				
	ComTek	ESD	DE	ROB	CCT	I alt		
2023	9	5	9	23	14	60		
2024	11	10	10	12	19	62		
KA	1. prioritetsansøgninger pr. 19/3 - 1. runde							
	ROB	PDP	ES	CE	ICTE	CYBER	I alt	
2023	83	18	82	66	34	135	418	
2024	78	9	92	117	24	229	549	



DUTIES OF SCIENTIFIC STAFF

- The duties of the scientific staff include: 1) Teaching; 2) Research; and 3) Service
- Our metrics currently focus on: 1) teaching; 2) grant money; 3) buying own time; and 4) publications.
- However, service to the university is extremely important!
 - Serving on committees
 - Mentoring colleagues
 - Assessment work
 - Administration
 - Outreach activities
 - Student recruitment
- All these aspects are included in the criteria for assessment of scientific staff!
- Bonuses are given for special efforts in teaching, research, and service!



EQUIPMENT AND LAB FACILITIES

- We have money allocated for investing in our labs and equipment
- There will be a call for proposals in the fall:
 - One-page description
 - Strategic value to dept.
 - Research groups
 - Prioritization will be made by the dept. management



TASK FORCES

- Task forces are temporary entities that serve to enable collaboration and knowledge sharing across research groups on emerging thematic topics resulting in the creation of new projects/research groups/centers, etc.
- Periodic meetings with presentations, workshops, knowledge sharing
- Administrative support from the fundraising support and research support team.
- Examples: quantum, defense, energy, health, space, ...
- Pilot task force on defense headed by P. Mogensen. If success, we will create a number of them.



HIGHLIGHTS

- J. Shiraishi has received Marie Curie postdoc grant (with CNT) for the project NEUTRINAI, which deals with energy efficiency of AI models on embedded devices and IoT.
- Kickoff of two EU projects on 6G, 6G-XCEL and 6G-GOALS in CNT.
- Successful final reviews of the finalized CNT projects RISE-6G and Intelliot
- PhD student from Oulu University, A. Azarbahram visiting CNT.
- CMI Professor J. M. Pedersen receives Cyber Award as the first ever:
<https://www.tv2nord.dk/aalborg/aau-professor-vinder-cyberpris-som-den-foerste-nogensinde>



HIGHLIGHTS

- AIS had a successful EVU course on signal processing for hearing assistive devices.
- IFD grant by AUT (R. Wisniewski) on new algorithms and methods for a condition monitoring system for the next generation of offshore wind turbine main bearings (20 mio DKK).
- Report by WCN on broadband coverage by Starlink “Rapport om bredbåndsdækning for Starlink” ordered by the government agency published ([Tal på teleområdet \(sdfi.dk\)](https://www.sdfi.dk))! Starlink can deliver 60-100 Mbit/s download and 5-10 Mbit/s upload to 25% of those with no broadband connection.
- The 5G Zero Touch Production Testbed by WCN comprises a combination of 5G FR1 & FR2 technologies to achieve full coverage reliability and extreme capacity. Presented in 5G-ACIA on March 19, 2024 (YouTube: <https://youtu.be/uIWEm5O0u3A>).



HIGHLIGHTS

- AIS (D. Hammershøi) instrumental in defining the 3rd mission within digital health!
- S. Zhang (with D. Serup) received ESA project for 1.5 years on mechanically scanning satellite antenna covering both Tx and Rx Ka bands.
- J. Stoustrup received grant from ESA about guidance navigation and control system with autonomous mission and vehicle management and with monitoring capabilities for safe and adaptable launchers.



Questions?



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