

## Teaching portfolio

### 1. Teaching CV: A list of any lecturing and supervision tasks, including specification of academic fields, scope, level (bachelor, master, continuing education, PhD) as well as any external examiner tasks.

Ph.D course teaching

- "Over-the-air performance evaluation of mobile terminals", 1 ECTS, Aalborg University, 2016 spring

- "5G Optimised Physical Layer", 5 ECTS, Aalborg University, 2017 Fall. Course organizer and lecturer.

Ph.D supervision:

- Johannes Hejselbk, 2015-2018 (expected), co-supervisor, Radio propagation for the next generation mobile communication system. (main supervisor: Gert F. Pedersen).

- Fengchun Zhang, 2016-2019 (expected), co-supervisor, "Radio channel characterization for 5G communication systems", (main supervisor: Gert F. Pedersen).

- Anders Karstensen, 2016-2019 (expected), co-supervisor, Radio propagation for cm-wave mo-bile and satellite communication systems, main supervisor: Gert F. Pedersen

- Yilin Ji, 2017-2020 (expected), co-supervisor, Cm-wave Radio propagation for mobile terminals, main supervisor: Gert F. Pedersen

Master student project supervision:

- 10th Semester project: "Experimental analysis of millimetre-wave channels based on a virtual cubic antenna array VNA based system", supervisor, Aalborg University. Student: Allan Wainaina Mbugua. 2017, Spring.

- 8th Semester project: "Exploration of Random Array Rectenna for NLOS mm-Wave Communications", supervisor, Aalborg University. Students: Igor Aleksandrovich Syrytsin; Henrik Aarup Vesterager; Sren Bgeskov Nrgaard; Lasse Thomsen, 2015 spring.

- 7th Semester project: "Wireless Network Planning of Smart Meter Concentrators", cosupervisor, Aalborg University, Students: Mathias Hjorth Laursen, Anders Charly Rasmussen, Benjamin Grosbois (guest student), Mathias Rnholt Kielgast; 2015 fall.

Research assistant/trainee supervision:

- Research assistant, Ines Carton, 2014-2016 (1 year and 6 months), Over-the-air evaluation of MIMO capable devices.

- Trainee, Marie Mbeutcha, 2015-2016 (6 months), Massive MIMO beamforming performance under ray tracing simulated channels.

- Research assistant, Anders Karstensen, 2015- 2016 (9 months), mm-Wave channel characterization.

- Trainee, Yi Tan, 2015-2016, (9 months), mm-Wave channel characterization

- Trainee, Fengchun Zhang, 2015-2016 (three months), mm-Wave channel characterization.

- Trainee, Yilin Ji, 2016-2017 (1 year), mm-Wave channel characterization.

- Trainee, Carla Di Paola, 2016-2017 (6 months), Over the Air Evaluation of Mobile Phone Antenna Performance in talk mode in LTE Systems,

### 2. Study administration: A list of any study administration tasks, e.g. study board membership, head of studies or semester or course coordinator, accreditation, etc.

Type your answer here...

### 3. University pedagogy qualifications: A list of any completed courses in university pedagogy, PBL courses, workshops, academic development projects, collegial guidance and supervision, etc.

My personal teaching philosophy includes:

- Multiple methods to present the given topic, including lecture format on whiteboard, images and vide-os, demos, discussions and group work, written problem sets and hands-on activities

- Being a exciting and dynamic teacher and always try to engage students during teaching

- Emphasizing on providing real-world and hands-on examples to explain a concept for students

Supervision philosophy:

- Open-door policy to facilitate communication and meeting with students

- Project/problem based learning.

- Regular follow-up meetings

### 4. Other qualifications: Conference attendance, editorials, presentations, etc. relating to education, 'University Teaching Day', etc.

Courses:

-Adjunktædagogikum - University Pedagogy for Assistant Professors (2016, Aalborg University)

-PBL in Engineering and Science - Development of Supervisor Skills (2012 fall, PhD course Aalborg University)

**5. Teaching activity development and teaching materials: A list of any contributions to the development of new modules, teaching materials, study programmes, e-learning, collaboration with external business partners, etc.**

Type your answer here...

**6. Teaching awards you may have received or been nominated for.**

Type your answer here...

**7. Personal reflections and initiatives: Here you may state any personal deliberations as regards teaching and supervision, any wishes and plans for further pedagogic development, plans for following up on feedback/evaluations from students, etc.**

Type your answer here...

**8. Any other information or comments.**

Type your answer here...