

# Teaching portfolio

## 1. Teaching CV

Optimization Methods, School of Information and Communication Technology, 7th semester.

– Formed curriculum, planning and executing 4 lectures including exercises and one exercise-day, preparing project relevant mini-project each year, examiner for exam. 2012-2015

Scientific Computing and Sensor Modeling, School of Information and Communication Technology, 8th semester.

– Planning and executing 5 lectures including exercises on programming and scientific computing and a one-day workshop on sensor modeling. 2013–2015

– Development of an accompanying textbook with Prof. T. Larsen and T. Arildsen, "Behavioral Simulation and Computing for Signal Processing Systems", ≈ 450 pages.

Mathematical Modelling and Simulation of Technological Systems I, School of Engineering and Science, 1th semester.

– Planning the entire course, teaches 4 lectures including exercises, preparing mini-project, examiner. 2013–2015

Scientific Computing using Python, The Doctoral School of Engineering and Science, PhD level.

– Planning of the 2+2.5 ECTS course, preparing and executing 50% of the 2.5 ECTS course, preparing and handling mini-projects. 2014–

Advanced Speech Processing, PhD level

- Executing one day of a 5 day course. Focus on convex optimization and its use in speech processing.

Algorithms for Large Scale Convex Optimization, PhD course.

– Teaching assistant for Prof. Lieven Vandenberghe. Assisted in exercise sessions as well as preparing exercises and the final project. 2010

Supervision experience:

- Signal Processing and Computing, 7th+8th+9-10th semester, 10 groups.

- Signal Processing, 6th semester, 2 groups.

- Mathematical Engineering, 1th+2th semester, 3 groups.

- Co-supervised 1 PhD student. 2012–2014

Internal examiner:

- Machine Learning 2012-2017

- Mathematical Modelling and Simulation of Technological Systems I, 2017

## 2. Study administration

Promotion of the "Signal and Information Processing" education.

## 3. University pedagogy qualifications

Completed the University Teacher Education for Assistant Professors, 2015.

## 4. Other qualifications

None

## 5. Teaching activity development and teaching materials

Writing on a textbook with Torben Larsen and Thomas Arildsen.

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

None

## 7. Personal reflections and initiatives

Experimenting with peer assessment on a first semester course.

## 8. Any other information or comments

None