**TMR4320 – Simulation-based Design, Autumn 2018**

**Accomplishments**

* Performed well in the final exam, A/A as final grade
* Reflected on course content actively in lectures and seminars
* Participated in TA sessions actively and analysed, discussed course-related contents and exercises
* Demonstrated well understanding of all sub-systems through all optional exercises
* Mastered the optimization of a point-loaded deck structure design project
  + Studied the corresponding FEA methods used to analyse the performance of a stiffened plate
  + Interpreted an initial design to parametrical model in ANSYS APDL
  + Assessed the FEA for the parametrical model
  + Optimised the parametrical model using PSO code
  + Post-analysed the simulated data using Matlab
* Overall, dedicated a self-motivated research work ethic, led to strong academic performance, anticipated to devote more in scientific researches

**Recent accomplishment**

* Working on master thesis of signal processing of underwater beacons for AUVs
* Aiming to applying Ph.D. program