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