**SD2709 – Underwater Technology (Sonar part), Spring 2019**

**Accomplishments**

* 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 sonar system through relevant exercises
* Mastered the underwater design project
  + Investigated the range of the rescue pinger
  + Discussed the modern techniques of installing a multibeam echosounder
  + Inspected the calculation of sonar beam forming tehcniques
  + Performed a well presentation for the sensing part of a pipeline inspection system in front of the class
* Overall, dedicated a self-motivated research work ethic, led to strong academic performance, anticipated to devote more in scientific researches

**Master thesis accomplishment**

* Set up the hardware simulation testing environment (i.e. sonar equipment and signal processing techniques)
* Diagnosed the current sensing model, learning and formulating a upgraded one