

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 techniques
 - 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