

## Master degrees

| Name  | Topic   | Supervisor:          |
|---|---|----------------------|
| Andersen, Andreas                                 | Simulering av Marine Løfteoperasjoner med Fokus på Kontroll av Konstruksjonsrepons                                    | Jørgen Amdahl        |
| Billington, Thor Helge                            | Online Shape Estimation of Icebergs at Sea  | Roger Skjetne        |
| Bore, Pål Takle                                   | Ultimate- and Fatigue Limit State Analysis of a Rigid Offshore Aquaculture Structure                                  | Jørgen Amdahl        |
| Brask, Annette Kristin                            | Control and Estimation of Wave Energy Converters  | Roger Skjetne        |
| Cetin, Recep                                      | Indoor Navigation System and Suspended Load Control for Multirotors   | Thor I. Fossen       |
| Drozdk, Ron                                       | Dynamic Positioning for ROV Operating in Fish Farms   | Jo Arve Alfredsen    |
| Eidsvik, Ole Alexander                            | Identification of Hydrodynamic Parameters for Remotely Operated Vehicles  | Ingrid Schjølberg    |
| Erdal, Mads                                       | Optimal Thrust Allocation for Dynamic Positioning Systems using Mixed Integer Linear Programming                      | Lars S. Imsland      |
| Eriksen, Bjørn-Olav Holtung                       | Horizontal Collision Avoidance for Autonomous Underwater Vehicles   | Kristin Y. Pettersen |
| Fehn, Manuel Andre                                | Spare Parts Evaluation in the Oil and Gas Industry  | Ingrid B. Utne       |
| Fernandez Cordova, Gonzalo Alfonso                | Ice Loads and Induced Dynamic Responses of a Monopile Wind Turbine  | Torgeir Moan         |
| Flåten, Andreas L.                                | Experimental Monitoring of Sea Ice Using Unmanned Aerial Systems  | Lars S. Imsland      |
| Fossan, Pål Alexander                             | Ultimate- and Fatigue Limit State Analysis of a Rigid Offshore Aquaculture Structure                                  | Jørgen Amdahl        |
| Frølich, Marcus                                   | Automatic Ship Landing System for Fixed-Wing UAV  | Thor I. Fossen       |
| Furseth, Jostein                                  | Modeling and Control of VTOL Flying Wing with Thrust Vectoring  | Thor I. Fossen       |
| Grindheim, Vegard                                 | Accurate Drop of a GPS Beacon Using the X8 Fixed-Wing UAV   | Thor I. Fossen       |
| Gryte, Kristoffer                                 | High Angle of Attack Landing of an Unmanned Aerial Vehicle  | Thor I. Fossen       |
| Hansen, Jørgen Lima                               | Analysis and Design of Ship Collision Barriers on a Submerged Floating Tunnel subjected to Large Ship Collisions      | Jørgen Amdahl        |
| Helgesen, Håkon Hagen                             | Object Detection and Tracking Based on Optical Flow in Unmanned Aerial Vehicles                                       | Thor I. Fossen       |
| Holsen, Sigurd Andreas                            | DUNE: Unified Navigation Environment for the REMUS 100 AUV  | Asgeir J. Sørensen   |
| Horn, Jan-Tore Haugan                             | Stochastic Dynamic Analysis of Offshore Bottom-Fixed Structures   | Jørgen Amdahl        |
| Hosen, Jesper                                     | A Vision-Aided Navigation System based on Optical Flow  | Thor I. Fossen       |
| Hvamb, Knut                                       | Motion Planning Algorithms for Marine Vehicles  | Morten Breivik       |
| Idland, Tor Kvestad                               | Marine Cybernetics Vessel CS Saucer   | Roger Skjetne        |
| Jacobsen, Nanna Martine                           | Hull Monitoring and Assessment of Hatch Corners and Hatch Opening Distortion  | Jørgen Amdahl        |
| Kang, Gahyeong                                    | Risk Assessment of Ship's Fuel Change-over Process  | Ingrid B. Utne       |
| Kjølleberg, Joakim                                | Weather Routing of Supply Vessels in the North Sea  | Asgeir J. Sørensen   |
| Larssen, Guro                                     | Ice Detection and Tracking Based on Satellite and Radar Images  | Roger Skjetne        |
| Meneses Pereira da Silva, Joao Francisco da Cunha | Managed Pressure Cementing  | Lars S. Imsland      |
| Mo, Sigrid Marie                                  | Development of a Simulation Platform for ROV systems  | Ingrid Schjølberg    |
| Møgster, Christian                                | Bayesian Estimation of Non-Stationary Ship Response Spectra   | Asgeir J. Sørensen   |
| Nous, Roel Johannes Maria                         | A Dynamic Approach to Evaluating the Effect of Slamming on a Jacket Foundation Template Lowered Through the Wave Zone | Torgeir Moan         |
| Ohrem, Sveinung Johan                             | Development of a Dynamic Positioning System for Merlin WR 200 ROV   | Kristin Y. Pettersen |
| Palm, Astrid Maria                                | Knekking og Omfordeling av Laster i Redundante Platekonstruksjoner  | Jørgen Amdahl        |
| Paust, Henrik Sogn                                | Finite Element Modeling and Structural State Estimation of a Bottom Fixed Offshore Wind Turbine                       | Asgeir J. Sørensen   |

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| Raaen, Stine Nicolaysen         | Team Situation Awareness in Practice   | Kristin Y. Pettersen |
| Rabanal, Ole Maurice Røste      | Comparing Controllers for Dynamic Positioning of Ships in Extreme Seas                                     | Morten Breivik       |
| Ren, Zhengru                    | Fault Tolerant Control of Thruster-Assisted Position Mooring System  | Roger Skjetne        |
| Roald, Ann Louise               | Path Planning for Vehicle Motion Control Using Numerical Optimization Methods                              | Morten Breivik       |
| Røli, Jon-Håkon Bøe             | Cooperative Control and RTK Navigation System for Multirotors  | Thor I. Fossen       |
| Saccoman, Marine Yvette Josette | Coupled Analysis of a Spar Floating Wind Turbine Considering both Ice and Aerodynamic Loads                | Torgeir Moan         |
| Sandved, Fredrik                | Remote Control and Automatic Path-following for C/S Enterprise I and ROV Neptunus                          | Roger Skjetne        |
| Schultz, Eirik                  | Modelling and Control of a Two-Body Offshore Wave Energy Converter   | Asgeir J. Sørensen   |
| Smilden, Emil                   | Preventing Tower Resonance Induced by Thrust Variations on a Large 10MW Wind Turbine                       | Asgeir J. Sørensen   |
| Sodeland, Per Sondre            | Combined Dynamic Positioning and Optimal Wave Frequency Motion Damping of Surface Effect Ship              | Asgeir J. Sørensen   |
| Spockeli, Bjørn Amstrup         | Integration of RTK GPS and IMU for Accurate UAV Positioning  | Thor I. Fossen       |
| Stenersen, Henning Seeberg      | Construction and Control of an Autonomous Sail Boat  | Morten Breivik       |
| Stenersen, Thomas               | Guidance System for Autonomous Surface Vehicles  | Kristin Y. Pettersen |
| Strand, Anders Salberg          | Fire Resistance of Unmanned Wellhead Jackets   | Jørgen Amdahl        |
| Strømsøyen, Simen               | Propulsion Methods for Under Water Snake Robots  | Asgeir J. Sørensen   |
| Sæther, Arne Kristian           | An Experimental Investigation on Bio-fouling Induced Drag  | Marilena Greco       |
| Trnka, Kenan                    | Localization and Tracking of Ships and Objects Using a UAV Mounted Thermal Imaging Camera                  | Thor I. Fossen       |
| Tvedt, Peter Kristian Hindar    | Human and Organizational Factors in Vessel-Platform Collision Risk on the Norwegian Continental Shelf      | Ingrid B. Utne       |
| Valle, Eirik                    | Marine Telepresence System   | Roger Skjetne        |
| Vestum, Emil                    | Wind Powered Marine Vehicle  | Asgeir J. Sørensen   |
| Visser, Niels                   | Experimental Set-up of the Double Slip Joint   | Torgeir Moan         |
| Vittori, Felipe Eduardo         | Design and Analysis of Semi-submersible Floating Wind Turbines with Focus on Structural Response Reduction | Torgeir Moan         |
| Voortman, Ralph Lucas Bernard   | State-of-the-art Design Methods for Wind Turbine Towers  | Torgeir Moan         |
| Wabakken, Iselin                | Application of RCM to Construct a Maintenance Program for a Maritime Vessel                                | Ingrid B. Utne       |
| Wilthil, Erik Falmår            | Singularity-Free Navigation System for an Autonomous Unmanned Aerial Vehicle                               | Edmund F. Brekke     |
| Xu, Kun                         | Design and Analysis of Mooring System for Semi-submersible Floating Wind Turbines in Shallow Water         | Torgeir Moan         |
| Zhu, Wenbo                      | Numerical Wave Tank for Nonlinear Waves in Various Water Depths  | Marilena Greco       |
| Øien, Pauline Kværnes           | Physical Investigation of Slamming Loads on a 2D Body  | Marilena Greco       |