

Master degrees in 2016

Name	Topic	Supervisor
Aakre, Øyvind Løberg	Development of a Dynamic Positioning System for Merlin WR200 ROV	Fossen, Thor Inge
Ai, Peng	Design and Hydrodynamic Analysis of a Semi-submersible with Two 5MW Wind Turbines	Gao, Zhen
Armstrong, Michael Andrew	Seismic Inversion for Identification of Soil Stiffness and Damping for Offshore Wind Turbines	Moan, Torgeir
Arnesen, Bent Oddvar	Motion Control Systems for ROVs	Schjølberg, Ingrid
Biørn-Hansen, Einar	Coupling of a 2D Boundary Element Method With a Local Analytical Solution to Deal with Geometrical Singularities	Greco, Marilena
Bjørne, Elias S.	Nonlinear Adaptive Motion Control and Model-error Analysis for Ships	Breivik, Morten
Bjørnø, Jon	Thruster-assisted Position Mooring of C/S Inocean Cat I Drillship	Skjetne, Roger
Brevik, Anders	Optimal Kontrol av Kontrollerbar Pitch Propell	Johansen, Tor Arne
Broen, Anders Kjekka	Real-time Harmonics Tracking for Stability Assessment of a Microgrid	Molinas, Marta
Brudvik, Baste	Icing Detection on Leading Edge of Aircraft Wings	Johansen, Tor Arne
Brusletto, Lars Sletbakk	Computer Vision Based Obstacle Avoidance for a Remotely Operated Vehicle	Ludvigsen, Martin

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Bua, Nils Haktor	Sway Control on a Surface Effect Ship	Hassani, Vahid
Castellanos, Stephanie Liefmann	Eco-physiological Responses of Cold-water Corals to Anthropogenic Sedimentation and Particle Shape	Johnsen, Geir
Deng, Shi	Numerical Simulations for Lift-off Operation of an Offshore Wind Turbine Monopile	Gao, Zhen
Efteland, Jørn Iversen	Underwater Acoustic Positioning System for Real-time Fish Tracking	Alfredsen, Jo Arve
Espedal, Mikal Hansson	Numerical Analysis of a Floating Wind Turbine	Kristiansen, Trygve
Finstad, Christian B	Peak-shaving Control of Loads on Diesel-generators in Hybrid Electric Ships	Skjetne, Roger
Fotland, Tore Jacobsen	Nødlanding for et Ubemannet Fly	Storvold, Rune
Frederich, Preben	Constrained Optimal Thrust Allocation for C/S Inocean Cat I Drillship	Skjetne, Roger
Frimanslund, Erik Kristian Thon	Feasibility of Deep-sea Mining Operation Within Norwegian Jurisdiction	Ludvigsen, Martin
Hektoen, Nikolai Mejdell	Model Predictive Waypoint Following for an UAV Using End-time Bisection	Imsland, Lars
Henriksen, Andreas Vigen	Camera-assisted Dynamic Positioning of ROVs	Skjetne, Roger
Henriksen, Vegard Wie	Three-axis Motion Compensated Crane Head Control	Johansen, Tor Arne
Hillestad, Gard	Design av et Utviklingsverktøy for Microgrids	Molinas, Marta
Holm, Jørgen Thode Gryteland	Analyse og Dimensjonering av Halsafjordens Strekkstag Understøttede Hengebro Utsatt for Støt fra Store Skip	Amdahl, Jørgen
Hugo, Åsmund Pedersen	Kinematic Control of Underwater Robotic System	Schjølberg, Ingrid
Huynh, Johnny Quang Tuan	Detailed Design of a Thruster Solution for a Small Mass-market Remotely Operated Underwater Vehicle	Ludvigsen, Martin
Håpnes, Sverre Julian Helmersen	Mapping of Demersal Fish and Benthos by AUC Equipped with Optical and Acoustic Imagers at 600 m Depth in Trondheimsfjorden	Johnsen, Geir
Islam, Md Touhidul	Design, Numerical Modelling and Analysis of a Semi-submersible Floater Supporting the DTU 10MW Wind Turbine	Gao, Zhen
Jacobsen, Nikolai Havikbotn	Application of RCM Principles to Identify Barriers in Design of Unmanned Engine Rooms for Oceangoing Merchant Vessels	Utne, Ingrid Bouwer
Jakobsen, June	The Tautra Cold-water Coral Reef- Mapping and Describing the Biodiversity of a Cold-water Coral Reef Ecosystem in the Trondheimsfjord by Use of Multi-beam Echo Sounding and Video Mounted on a Remotely Operated Vehicle	Johnsen, Geir
Koppenol, Boy Solo	Dynamic Analysis of a Floating Vertical Axis Wind Turbine Using the Actuator Cylinder Flow Theory	Gao, Zhen
Kristiansen, Aleksander V	Estimation of the Economic Effect of Implementing Reliability-centred Maintenance Onboard a Maritime Vessel	Utne, Ingrid Bouwer
Leimeister, Mareike	Rational Upscaling and Modelling of a Semi-submersible Floating Offshore Wind Turbine	Bachynski, Erin E.
Liu, Haobin	Stress Analysis of the Structural Interface Between the Spar and the Torus in the Combined Wind and Wave Energy Concept STC	Gao, Zhen
Lubis, Michael Binsar	Time Domain Simulation of Jack-up in Second Order Irregular Seas	Amdahl, Jørgen
Maastad, Marius	Numerical and Experimental Study of the Fred Olsen Wind Turbine Concept	Gao, Zhen
Malik, Mohibb Ghani	Hydrodynamic Modelling Effects on Fatigue Calculations for Monopile Offshore Wind Turbines	Gao, Zhen
Mellem, Adelaide	Smart Release Pods for Juvenile Lobster in Sea Ranching	Alfredsen, Jo Arve
Moe, Jostein Borgen	Autonomous Landing of Fixed-wing UAV in Net Suspended by Multirotor UAVs	Johansen, Tor Arne
Moe, Ole Harald	Analysis and Design of Bjørnafjorden TLP Supported Suspension Bridge Subjected to Large Ship Collisions and Extreme Environmental Loads	Amdahl, Jørgen
Molvær, Joar	A Unified Real-time Feature Extraction and Classification Process for a BCI Based on Empirical Mode Decomposition and Support Vector Machine	Molinas, Marta
Muren, Marit Maukon	Response Calculations of Semi-submersible Column Exposed to Slamming Loads	Amdahl, Jørgen
Myre, Helene	Collision Avoidance for Autonomous Surface Vehicles Using Velocity Obstacle and Set-based Guidance	Brekke, Edmund Førland

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Nahian, Nishat Al	Structural Analysis of the Gripper Connection During Monopile Installation	Gao, Zhen
Nesse, Ove	Wireless Surface Interface for Subsea Instrumentation	Alfredsen, Jo Arve
Nevstad, Sigurd Olav	Autonomous Landing of Fixed-wing UAV in Net Suspended by Multirotor UAVs	Johansen, Tor Arne
Omholt, Bjørn William	Direct Yaw Moment, Traction and Power Limit Control of a Four Wheel Independent Drive Electric (4WID-EV) Formula Student Race Car	Johansen, Tor Arne
Palm, Astrid Maria	Buckling and Load Shedding in Redundant Plated Ship Structures	Amdahl, Jørgen
Rabliås, Øyvind	Development of a new Navier-Stokes Solver Using a Generalized HPC Method for the Pressure Poisson Equation	Greco, Marilena
Rahman, Md. Rafiur	Numerical Modeling and Analysis of the Combined Wind and Wave Energy Concept SFC	Gao, Zhen
Reiersen, Lars M. Utnes	Investigation of Moonpool Resonance as Vessel Damping Device	Kristiansen, Trygve
Rist-Christensen, Ida	Autonomous Robotic Intervention Using ROV	Ludvigsen, Martin
Riste, Kristine Bøyum	Development of a Frequency-domain Model for Dynamic Analysis of the Floating Wind Turbine Concept - WindFloat	Gao, Zhen
Rolfseng, Jon Henning	Analysis of Accelerometric Datasets for Wind Turbine Monitoring	Utne, Ingrid Bouwer
Roy, Elizabeth	System Integration of Unmanned Aerial Vehicle with Thermal Camera	Fossen, Thor Inge
Ruud, Fredrik Jonsson	Autonomous Homing and Docking of AUV REMUS 100	Ludvigsen, Martin
Røine, Audun Gerhardsen	Three-axis Motion Compensated Crane Head Control	Johansen, Tor Arne
Røyland, Daniel	Dead Reckoning System for UAV Using RSSI and Extremum Seeking Control	Johansen, Tor Arne
Sandvik, Tarje Moe	Area Based Frequency Control in the Nordic Power System	Imsland, Lars
Sandøy, Stian Skaalvik	System Identification and State Estimation for ROV uDrone	Skjetne, Roger
Scheide, Audun Werner	Design and Analyze of a Pressure Vessel for an Underwater Remotely Operated Vehicle Produced by Injection Molding	Ludvigsen, Martin
Schwebe, Tjark Tilman	Dynamic Collapse of the Hull Girder in a Container Ship in Waves	Amdahl, Jørgen
Sharoni, Rotem	Marine Inverted Pendulum	Skjetne, Roger
Solstad, Torkil Eide	Improved User-experience for Control of ROVs	Skjetne, Roger
Spange, Joachim	Autonomous Docking for Marine Vessels Using a Lidar and Proximity Sensors	Skjetne, Roger
Steinsland, Solveig	Control Strategy for AHC Offshore Crane Systems	Fossen, Thor Inge
Strand, Anders Salberg	Wellhead Platform Subjected to Accidental Loads	Amdahl, Jørgen
Svendsen, Kristian Freng	Structural Design and Dynamic Analysis of a Tension Leg Platform Wind Turbine, Considering Elasticity in the Hull	Bachynski, Erin E.
Sørbø, Kjetil Hope	Autonomous Landing of Fixed-wing UAV in a Stationary Net	Johansen, Tor Arne
Tian, Xiaoshuang	Design, Numerical Modelling and Analysis of TLP Floater Supporting the DTU 10MW Wind Turbine	Gao, Zhen
Tsigkris, Efsthios	Dynamic Response Analysis of a Spar Floating Wind Turbine in Level Ice with Varying Thickness	Gao, Zhen
Ueland, Einar Skiftestad	Marine Autonomous Exploration Using a Lidar	Skjetne, Roger
Vamråk, Vegard Moesødegård	Sway Control on a Surface Effect Ship	Hassani, Vahid
Velarde, Joey	Design of Monopile Foundations to Support the DTU 10 MW Offshore Wind Turbine	Bachynski, Erin E.
Wille, Kristian Løken	Autonomous Sailboats	Hassani, Vahid
Worren, Fredrik	A Unified Real-time Feature Extraction and Classification Process for a BCI Based on Empirical Mode Decomposition and Support Vector Machine	Molinas, Marta
Xu, Dapeng	Numerical Modelling and Simulations for Lowering of an Offshore Wind Turbine Tripod	Gao, Zhen
Xue, Wenfei	Design, Numerical Modelling and Analysis of a Spar Floater Supporting the DTU 10MW Wind Turbine	Gao, Zhen
Øien, Stein-Inge Torset	Dynamic Positioning for Small Autonomous Surface Vessels	Johansen, Tor Arne
Århus, Gisle Hoel	Analysis and Design of Ship Collision Barriers on a Submerged Floating Tunnel Subjected to Large Ship Collisions	Amdahl, Jørgen