

Candidate	Supervisor	Title
Andersen, Håvard Lægheid	Johansen, Tor Arne	Path Planning for Search and Rescue Mission using Multicopters
Andresen, Simen	Pettersen, Kristin Ytterstad	Underwater Robotics
Bahar, Md Habibullah	Amdahl, Jørgen	Analytical & Numerical Analysis of Ship/FPSO Side Structures Subjected to Extreme Loading with Emphasis of Ice Actions
Barbatei, Remus-Gabriel	Johansen, Tor Arne	Data Acquisition with Unmanned Aerial Vehicle (UAV) from Floating Sensor Nodes
Bense, Marvin Phillip	Moan, Torgeir	Comparison of Numerical Simulation and Model Test for Integrated Installation of GBS Wind Turbine
Bertelsen, Torleif Ølund	Greco, Marilena	Installation of large subsea structures
Bjørneset, Solveig	Sørensen, Asgeir Johan	Modelling and Control of Thruster Assisted Position Mooring System for a Semi-submersible
Brauer, Simon Adrian	Moan, Torgeir	Damage Identification of an Offshore Wind Turbine Jacket Support Structure
Braun, Moritz	Moan, Torgeir	Fatigue Assessment of Threaded Riser Connections
Brodtkorb, Astrid Helene	Sørensen, Asgeir Johan	Dynamic Positioning in Extreme Sea States
Bækkedal, Eivind	Amdahl, Jørgen	Alternative methods of realizing the sea spectrum for time-domain simulations of marine structures in irregular seas
Chen, Ying	Moan, Torgeir	Bucket Foundation in Clay for OWT Subjected to Combined Cyclic Loads
Cook, Timothy Wade	Moan, Torgeir	Buckling of Cylindrical Shells with a Granular Core Under Global Bending
Deac, Marius	Moan, Torgeir	Design and analysis of a large wind floater
Dekker, Marijn Johannes	Moan, Torgeir	The Modelling of Suction Caisson Foundations for Multi-Footed Structures
Drægebø, Elisabeth	Utne, Ingrid Bouwer	Reliability Analysis of Blowout Preventer Systems
Erstad, Camilla	Utne, Ingrid Bouwer	Tilstandsbasert vedlikehold på tørrgasstetninger
Evjen, Ole Tomas	Johansen, Tor Arne	Marine Laser Radar
Folgerø-Holm, Jon Andreas	Utne, Ingrid Bouwer	Long Term Scheduling of Major Renewals
Fuglaas, Simen	Johansen, Tor Arne	Precision Airdrop from a Fixed-Wing Unmanned Aerial Vehicle
Galaxy, Tri Buana	Utne, Ingrid Bouwer	Ship Energy Efficiency and CO2 Abatement Cost Analysis
Gottschal, Espen Joris	Skjetne, Roger	Dynamic Thrust Allocation
Hagen, Hilde Christine	Sørensen, Asgeir Johan	Feasibility Study on Active Wave Compensation of ROV
Hatlevik, Edvin	Johansen, Tor Arne	Heave disturbance attenuation in managed pressure drilling from a floating platform using model predictive control
Hauff, Kristian Stenvågnes	Utne, Ingrid Bouwer	Analysis of Loss of Position Incidents for Dynamically Operated Vessels
Haugen, Kenneth Eide	Imslund, Lars	Surface Mapping using Quadcopter
Haugene, Tormod	Johansen, Tor Arne	Evaluation of Methods for Robust, Automatic Detection of Net Tear with Remotely Operated Vehicle and Remote Sensing
He, Zhengmin	Amdahl, Jørgen	Analysis and design of the SEVAN FPSO against extreme ice actions
Heiervang, Mads Fredrik	Amdahl, Jørgen	Time Domain Analysis of Fish Farms Subjected to Extreme Environmental Conditions
Helland, Andreas Strand	Johansen, Tor Arne	UAV anti-icing system based on conductive coating
Helland, Øystein	Amdahl, Jørgen	Review of IACS Unified Requirements for Design of Polar Ships against Ice Loads
Henriksen, Eirik Hexeberg	Sørensen, Asgeir Johan	ROV Control System for Positioning of Subsea Modules
Hestdal, Morten Rusten	Imslund, Lars	The use of Model Predictive Control and Distributed Battery Energy Storage Systems for Primary Frequency Control
Holgersen, Lars Kristian	Utne, Ingrid Bouwer	Performance Monitoring in Teekay Petrojarl
Hustveit, Bjarte	Sørensen, Asgeir Johan	Kombinert modelbasert og sensorbasert observer for undervannsfartøy
Høglund, Sondre	Johansen, Tor Arne	Autonomous Inspection of Wind Turbines and Buildings using an UAV
Håland, Sigve	Greco, Marilena	Lowering and lifting operations through moonpools: Hydrodynamic investigations
Jacobsen, Heidi	Amdahl, Jørgen	Structural Design Considerations for an Ice Resistant Semi Submersible Drilling Rig
Kajanus, Robert	Skjetne, Roger	Optimal recursive thrust allocation applied for ROV Minerva
Knutsen, Mats Foss	Amdahl, Jørgen	Time Domain Analysis of Fish Farms Subjected to Extreme Environmental Conditions

Konstali, Ørjan	Amdahl, Jørgen	Analysis and Design of Ship Collision Barriers on a Submerged Floating Tunnel subjected to Large Ship Collisions
Lauritzsen, Martin	Sørensen, Asgeir Johan	Hardware-in-the-Loop Testing Systems for ROV Control Systems
Lillemoen, Nina Fjellidalen	Pettersen, Kristin Ytterstad	Development of Software Tool for Identification of Ballast Errors in Autonomous Underwater Vehicles
Lyngra, Nora Helen Lund	Amdahl, Jørgen	Analysis of Ice-Induced Damages to a Cargo Carrier and Implications wrt. Rule Requirements
Lønne, Lars	Sørensen, Asgeir Johan	Development of an Irradiance Sensor Based on a Photon Counting Camera
Ma, Meilin	Amdahl, Jørgen	Damage Assessment of Sevan FPSO Subjected to Impacts From Shuttle Tankers
Magnus, Andreas	Imsland, Lars	MPC for dual gradient borebrønnkontroll ved hjelp av en undervannspumpemodul og en topside strupeventil
Marin, Traian Ionut	Moan, Torgeir	Fatigue Analysis of the Column-Pontoon Connection in a Semi-Submersible Floating Wind Turbine
Marley, Mathias Huuse	Skjetne, Roger	Modelling and Robust Control of Production Force of a Wave Energy Converter
Mathisen, Carl Magnus	Johansen, Tor Arne	Search and Rescue Operations using a Fixed-Wing UAV Equipped with an Automatically Controlled Gimbal
Mathisen, Siri Holthe	Johansen, Tor Arne	High Precision Deployment of Wireless Sensors from Unmanned Aerial Vehicles
Matland, Arild Eriksen	Amdahl, Jørgen	Simulation of Marine Lifting Operations with Focus on Structural Response Control
Midthaug, Asgeir Hovdelien	Amdahl, Jørgen	Nonlinear Wave Loads on Offshore Wind Turbines in Storm Condition
Nikolaisen, Svein Roald	Utne, Ingrid Bouwer	Life Cycle Cost Comparison Study
Nundal, Stian Aas	Johansen, Tor Arne	Tracking objects with fixed-wing UAV using model predictive control and machine vision
Ofstad, Christoffer Andreas	Johansen, Tor Arne	Handling Unknown External Forces with Highly Responsive DP Controller
Olafsen, Helle Kristine H	Sørensen, Asgeir Johan	Control of Thruster Assisted Position Mooring System on Floating Production Storage and Offloading
Orsten, Andreas	Skjetne, Roger	Automatic Reliability-based Control of Iceberg Towing in Open Waters
Ottemo, Torjus Sveier	Johansen, Tor Arne	Reconstruction of Building Facades in 3D for Remote Inspection Using a Multicopter
Palmer, Christian	Utne, Ingrid Bouwer	Asset Integrity
Rasmussen, Simen Kleven	Amdahl, Jørgen	Assessment of structural damage due to cryogenic spill for FLNG plants
Rosnes, Aleksander	Utne, Ingrid Bouwer	Risikobasert Inspeksjon (RBI)
Rotevatn, Torstein	Imsland, Lars	Modeling of the CAS-OB Process for Online Use
Skjong, Espen	Johansen, Tor Arne	Tracking objects with fixed-wing UAV using model predictive control and machine vision
Skulstad, Robert	Johansen, Tor Arne	Low-cost instrumentation system for recovery of fixed-wing UAV in a net
Slagstad, Martin	Amdahl, Jørgen	Accidental Impact Resistance of non-disconnectable bouy type FPSO
Steen, Thor Audun	Johansen, Tor Arne	Search and Rescue Mission Using Multicopters
Stettner, Oliver	Moan, Torgeir	Numerical Simulation for Installation of Jacket Foundation of Offshore Wind Turbines
Stokkeland, Martin	Johansen, Tor Arne	A Computer Vision Approach for Autonomous Wind Turbine Inspection using a Multicopter
Stovner, Bård Bakken	Johansen, Tor Arne	Model Predictive Control in UAV Trajectory Planning and Gimbal Control
Straume, Jonas Gullaksen	Amdahl, Jørgen	Dynamic buckling of marine structures
Sunde, Christian Heimdal	Schjøberg, Ingrid	3D visualization of autonomous underwater robots
Swensen, Ingrid	Imsland, Lars	Modeling and Non-linear Control of Gel Breaking in Drilling Operations
Syversen, Christoffer Lie	Johansen, Tor Arne	Low-cost instrumentation system for recovery of fixed-wing UAV in a net
Thieme, Christoph	Utne, Ingrid Bouwer	Development of a Risk Management Process for NTNU's REMUS 100 AUV
Tran, Nam Dinh	Skjetne, Roger	Line-Of-Sight-based maneuvering control design, implementation, and experimental testing for the model ship C/S Enterprise I.
Trømborg, Håkon	Johansen, Tor Arne	Control system for the DNV GL Fuel Fighter Prototype and the DNV GL Fuel Fighter UrbanConcept
Tuttoren, Svenn Are	Skjetne, Roger	Topics in dynamic positioning
Tvare, Øyvind	Moan, Torgeir	Fatigue Analysis of Column-Pontoon Connection in a Semi-submersible Floating Wind Turbine
Vandervaeren, Nathan	Sørensen, Asgeir Johan	Distributed Control of a Drifting Formation of Autonomous Underwater Vehicles
Verheugt, Bas	Moan, Torgeir	Efficient Response Simulation Strategies for Jacket-based Offshore Wind Turbines

Voldsund, Vegard  
Wang, Qiang  
Wattum, Sverre  
Xing, Zheng  
Zhou, Chunqi  
Østhus, Vegar  
Østrem, Tor Eirik

Johansen, Tor Arne  
Moan, Torgeir  
Utne, Ingrid Bouwer  
Moan, Torgeir  
Amdahl, Jørgen  
Imslund, Lars  
Johansen, Tor Arne

Drop and Recovery of Sensor Nodes Using UAVs  
Design and Dynamic Analysis of a Steel Pontoon-type Semi-submersible Floater Supporting the DTU 10MW Reference Turbine  
Reliability centered maintenance on the Norwegian continental shelf  
Response and Structural Analysis of a Flap-type Wave Energy Converter in a Combined Wind and Wave Concept  
Ultimate Strength and Post-Ultimate Behavior of Hybrid Platform Deck Girders  
Robust Adaptive Control of a Surface Vessel in Managed Ice Using Hybrid Position- and Force Control  
Model-free IMU-based DP State Estimator