Ship scale validation of CFD model of self-propelled ship
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2019 › Research › peer-review

Ship scale validation of CFD model of self-propelled ship
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2019 › Research › peer-review

Stability of single-graded scour protection around a monopile in current
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2019 › Research › peer-review

Surface Wetting in Multiphase Pipe-Flow
Research output: Contribution to conference › Paper – Annual report year: 2019 › Research › peer-review

The Effect of Short-term Variability of Cross-Spectral Analysis on Wave Buoy Analogy
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2019 › Research › peer-review

The impact of propulsion factors on vessel performance in waves
Research output: Contribution to conference › Paper – Annual report year: 2019 › Research › peer-review

Turbulence measurements in the centerline region of a turbulent round jet using a software-driven laser doppler system
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2019 › Research › peer-review

Unsteady propeller forces and hull pressure pulses in waves
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2019 › Research › peer-review

Accurate evaluation of the Kochin function for added resistance using a high-order finite difference-based seakeeping code
Research output: Contribution to conference › Paper – Annual report year: 2018 › Research › peer-review

A Numerical Investigation of Wedge Angle Effects on a Plunger Type Wave Maker With a Constant Submerged Volume
OMAE2018-77380
A solution to the over-production of turbulence beneath surface waves in RANS models
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2018 › Research › peer-review

Atomistic simulations of water flow in graphene channels driven by imposed thermal gradients
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2018 › Research › peer-review

CFD analysis of propeller tip vortex cavitation in ship wake field
Research output: Contribution to conference › Paper – Annual report year: 2018 › Research › peer-review

Control Signal Optimization for Non-Linear Wave Generation
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review

Droplet behavior of non-equilibrium condensation in the supersonic separator
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review

Effect of charge inversion on Poiseuille flow of multivalent electrolyte solutions in nanochannels: an atomistic study
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2018 › Research › peer-review

Experimental Study of Wave Force Distribution on a Monopile Structure
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review

Flagellate flow
Research output: Contribution to conference › Poster – Annual report year: 2019 › Research

Fully Nonlinear Wave Effect on a Semi-Submersible Floating Wind Turbine Using Wave Kinematics from 2D Harmonic Polynomial Cell Wave Tank
Research output: Contribution to conference › Paper – Annual report year: 2018 › Research › peer-review

High-Resolution Planar Two-Component PTV Measurements in a Breaking Wave
Research output: Contribution to conference › Paper – Annual report year: 2018 › Research › peer-review

Hydrodynamic functionality of the lorica in choanoflagellates
Sea State Estimation Using Simultaneous Data from Multiple Observation Platforms
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review

Self-Similarity and Helical Symmetry of Various Vortex Wakes
Research output: Contribution to conference › Paper – Annual report year: 2018 › Research › peer-review

Ship motion-based wave estimation using a spectral residual-calculation
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review

Short-term Variability of Cross-Spectral Analysis for Ship Responses in Waves
Research output: Contribution to conference › Paper – Annual report year: 2018 › Research › peer-review

Study of Hydrodynamic Forces on Complex Structures
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review

Study on Short-term Variability of Ship Responses in Waves – Part II: Examination of the correlation method
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review

The Effect of Operational Factors on Container Ship Fuel Performance
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review

The Effect of Pulsations in Conditions related to Catalytic Converters
Research output: Contribution to conference › Paper – Annual report year: 2018 › Research › peer-review

Time- and Frequency-domain Comparisons of the Wavepiston Wave Energy Converter
Research output: Contribution to conference › Paper – Annual report year: 2018 › Research › peer-review

Validation of improved laser Doppler anemometer (LDA) based on the fully developed turbulent round jet
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2018 › Research › peer-review

Variation of translocation efficiency through constriction larger than the particle by Brownian motion

A CFD Investigation on the Effect of the Air Entrainment in Breaking Wave Impacts on a Mono-Pile

Adjoint Optimisation of the Turbulent Flow in an Annular Diffuser

A New Volume-Of-Fluid Method in Openfoam

A regularized vortex-particle mesh method for large eddy simulation

Computational Fluid Dynamics of Choanoflagellate Filter-Feeding

Computational Fluid Dynamics of Choanoflagellate Filter-Feeding

Deterministic Predictions of Vessel Responses Based on Past Measurements

Development of Large Scale Bed Forms in the Sea –2DH Numerical Modeling

Drag reduction in silica nanochannels induced by graphitic wall coatings
Experimental Investigation of the Performance of Tilt Current Meters in Wave-Dominated Flows
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2017 › Research › peer-review

Flow in axisymmetric expansion in a catalytic converter
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Implementation of Generalized Modes in a 3D Finite Difference Based Seakeeping Model
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Implementation of the far-field method for calculation of added resistance using a high order finite-difference approximation on overlapping grids
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Measurement of Turbulent Skin Friction Drag Coefficients Produced by Distributed Surface Roughness of Pristine Marine Coatings
Research output: Contribution to conference › Paper – Annual report year: 2017 › Research › peer-review

Nominal vs. Effective Wake Fields and their Influence on Propeller Cavitation Performance
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2017 › Research › peer-review

Numerical Simulation of Methane Slip in Dual Fuel Marine Engines
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2017 › Research › peer-review

Performance of a Tilt Current Meter in the Surf Zone
Research output: Contribution to conference › Paper – Annual report year: 2017 › Research › peer-review

PIV measurements of breaking waves
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

PIV measurements of velocities and accelerations under breaking waves on a slope
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2017 › Research › peer-review

Pore Pressure Under A Gravity Based Structure Under The Influence Of Waves
Carbon nanotube-based coatings to induce flow enhancement in hydrophilic nanopores
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2016 › Research › peer-review

CFD modelling of condensation process of water vapor in supersonic flows
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

CFD Study on Effective Wake of Conventional and Tip-modified Propellers
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

CNT based thermal Brownian motor to pump water in nanodevices
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2016 › Research › peer-review

Computation of Added Mass and Damping Coefficients of a Horizontal Circular Cylinder in Open Foam
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

Continuous vs. pulsating flow boiling. Part 1: Experimental comparison and visualization
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

Continuous vs. pulsating flow boiling. Part 2: Statistical comparison using response surface methodology
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

Convergence of near-field added resistance calculations using a high order finite-difference method
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

DeRisk - Accurate prediction of ULS wave loads. Outlook and first results
Research output: Contribution to journal › Conference article – Annual report year: 2016 › Research › peer-review
Thermophoresis of water droplets inside carbon nanotubes
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2016 › Research › peer-review

Tsunami Induced Scour Around Monopile Foundations
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2016 › Research › peer-review

A high-order finite-difference linear seakeeping solver tool for calculation of added resistance in waves
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research › peer-review

A high order multi-resolution solver for the Poisson equation with application to vortex methods
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research › peer-review

Analyses of Current And Wave Forces on Velocity Caps
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Atomistic Simulations of Fluid Flow through Graphene Channels and Carbon Nanotubes
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2015 › Research › peer-review

Atomistic study of a nanometer-scale pump based on the thermal ratchet concept
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research › peer-review

CFD analysis of cascade effects in marine propellers with trailing edge modification
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

CFD analysis of cloud cavitation on three tip-modified propellers with systematically varied tip geometry
Research output: Contribution to journal › Conference article – Annual report year: 2015 › Research › peer-review

Continuum Navier-Stokes modelling of water flow past fullerene molecules
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research › peer-review

Continuum Navier-Stokes modelling of water flow past fullerene molecules
Extrapolation of model tests measurements of whipping to identify the dimensioning sea states for container ships
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research › peer-review

Extreme value prediction of the wave-induced vertical bending moment in large container ships
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Flow Dynamics of green sand in the DISAMATIC moulding process using Discrete element method (DEM)
Research output: Contribution to journal › Conference article – Annual report year: 2015 › Research › peer-review

Flow enhancement of water flow through silica slit pores with graphene-coated walls
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research › peer-review

Implementing Composite Superstructures in Large Passenger Ships
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

Investigation on the Use of a Multiphase Eulerian CFD solver to simulate breaking waves
Tomaselli, P. D. & Christensen, E. D., 2015, Proceedings of the ASME 34th International Conference on Ocean, Offshore and Arctic Engineering. 10 p. OMAE2015-41640
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Linearized potential flow analysis of a 40 chamber, oscillating water column wave energy device
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2016 › Research › peer-review

Maritime Ingenieruddannelser og Forskning
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research

Methods for Cavitation Prediction on Tip-Modified Propellers in Ship Wake Fields
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

New Concepts for Shipboard Sea State Estimation
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review
Numerical Simulation of Wave Interaction with Moving Net Structures
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

On the modelling of the dynamics of elastically deformable floating structures
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Parametric Study of the Scavenging Process in Marine Two-Stroke Diesel Engines
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Prediction of First-Order Vessel Responses with Applications to Decision Support Systems
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Retrofitting the Superstructure of a Large Passenger Ship Using Composites – A Demonstration
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Scour at Breakwaters Under Combined Waves and Current
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Sea State Estimation Using Model-scale DP Measurements
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Simulation of external flows using vortex method in two- and three dimensions
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research › peer-review

Simulation of external flows using a hybrid particle mesh vortex method
Research output: Contribution to conference › Poster – Annual report year: 2015 › Research

Small Ro/Pax Vessel stability study
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review
Trend modelling of wave parameters and application in onboard prediction of ship responses
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Uncertainties in ship-based estimation of waves and responses
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Water transport in graphene nano-channels
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research › peer-review

A high-order finite-difference solver for the linearised potential flow wave resistance problem on curvilinear overset grids
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2015 › Research › peer-review

Analyses of hydraulic performance of velocity caps
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

A numerical and experimental study of the scavenging process in a two-stroke marine diesel engine
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2014 › Research › peer-review

Application of CFD based wave loads in aeroelastic calculations
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Application of finite elements and computational fluid dynamics to predict and improve the filling ratio in journal bearings under dynamic loading
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Aquaculture as a part of a multi-use platform
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

A review of recent advances in numerical modelling of local scour problems
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review
Cavitation analysis of a journal bearing - Finite Element modelling and experimental studies
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review

CFD analysis of the scavenging process in marine two-stroke diesel engines
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

CFD investigation of a transonic pulse-jet in a fabric filter application
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2014 › Research › peer-review

Collision analysis of ships and jack-up rigs
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Continuum Simulations of Water Flow in Carbon Nanotube Membranes
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2014 › Research › peer-review

Design of cooling water intake structure CFD modelling case study
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2014 › Research › peer-review

Early regimes of water imbibition in nanoslit silica channels
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2014 › Research › peer-review

Edge scour at scour protections around offshore wind turbine foundations
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Effects of green valve on air entrainment in hopper overflow
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review

Flow and sediment transport induced by plunging waves
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review
Impact of an offshore wind farm on wave conditions and shoreline development
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review

Impact of an offshore wind farm on wave conditions and shoreline development
Research output: Contribution to journal › Conference article – Annual report year: 2014 › Research › peer-review

Improving Tsunami Resilience in Europe - ASTARTE
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2014 › Research › peer-review

Influence of clay content on residual liquefaction in waves
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review

Multiphase CFD modeling of nearfield fate of sediment plumes
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Numerical and Experimental Investigation of Heat Flow in Permanent Magnet Brushless DC Hub Motor
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Numerical calculation of backfilling of scour holes
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Numerical modeling of backfilling process around monopiles
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review

Numerical simulation of wave-induced scour and backfilling below submarine pipelines
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review

Parametric estimation in the wave buoy analogy - an elaborated approach based on energy considerations
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review
Particle motions in oscillatory flow over a smooth bed
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

PIV and LDA measurements of the swirling flow in a low-speed two-stroke diesel engine
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2014 › Research › peer-review

Power Spectrum Estimation of Randomly Sampled Signals
Velte, C. M., Buchhave, P. & K. George, W., 2014. 1 p.
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research › peer-review

Reducing roll motion by passive free surface tanks
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Role of the vertical pressure gradient in wave boundary layers
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Self-Similarity and helical symmetry in vortex generator flow simulations
Research output: Contribution to journal › Conference article – Annual report year: 2014 › Research › peer-review

Simulation of extreme events of oblique wave interaction with porous breakwater structures
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review

Simulation of extreme events of oblique wave interaction with porous breakwater structures
Research output: Contribution to journal › Conference article – Annual report year: 2014 › Research › peer-review
Simulations of a single turbulent vortex ring using a regularized particle-mesh based vortex method
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research › peer-review

Simulations of a single vortex ring using an unbounded, regularized particle-mesh based vortex method
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Simulations of vortical flow using an unbounded, regularized particle-mesh based vortex method
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2014 › Research › peer-review

Stable finite difference discretizations of the forward speed seakeeping problem
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2015 › Research › peer-review

Study on Short-term Variability of Ship Responses in Waves
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

The Effect of a Finite Measurement Volume on Power Spectra from a Burst Type LDA
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

The New Maritime Engineering Education at the Technical University of Denmark
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Theoretical and experimental investigation of cavitation in main bearings for large two-stroke marine diesel engines
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2014 › Research › peer-review

Tomographic PIV measurements behind vortex generators
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2014 › Research › peer-review

Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2015 › Research › peer-review
Vortex Generator Induced Flow in a High Re Boundary Layer
Research output: Contribution to journal › Conference article – Annual report year: 2015 › Research › peer-review

A high order solver for the unbounded Poisson equation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2013 › Research › peer-review

An improved interface penalisation for vortex methods
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2013 › Research › peer-review

An Iterative Brinkman penalization for particle vortex methods
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2013 › Research › peer-review

CFD simulation on Kappel propeller with a hull wake field
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Comparisons of Means for Estimating Sea States from an Advancing Large Container Ship
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Effect of air on water capillary flow in silica nanochannels
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2013 › Research › peer-review

Effects from fully nonlinear irregular wave forcing on the fatigue life of an offshore wind turbine and its monopile foundation
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Efficient Hybrid-Spectral Model for Fully Nonlinear Numerical Wave Tank
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Evaluation of Response Prediction Procedures using Full Scale Measurements for a Container Ship
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Fully Coupled Three-Dimensional Dynamic Response of a TLP Floating Wind Turbine in Waves and Wind
Hull Girder Fatigue Damage Estimations of a Large Container Vessel by Spectral Analysis
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Hybrid-Spectral Model for Fully Nonlinear Numerical Wave Tank
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2013 › Research › peer-review

Innovative multi-purpose offshore platforms: Planning, design and operation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2013 › Research › peer-review

Measuring Sandy Bottom Dynamics by Exploiting Depth from Stereo Video Sequences
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Numerical Investigation of the Scavenging Process in Marine Two-Stroke Diesel Engines
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Phase-locked stereoscopic PIV measurements of the turbulent swirling flow in a dynamic model of a uniflow-scavenged two-stroke engine cylinder
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

PIV in a model wind turbine rotor wake
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Real-Time Simulation of Ship-Structure and Ship-Ship Interaction
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Simulation of the Initial 3-D Instability of an Impacting Drop Vortex Ring
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2013 › Research › peer-review
**Steep wave loads from irregular waves on an offshore wind turbine foundation: Computation and experiment**
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

**Study on a method for estimating fuel consumption in a seaway**
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

**Swirling flow in a two-stroke marine diesel engine**
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

**Towards real time simulation of ship-ship interaction - Part II: double body flow linearization and GPU implementation**
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

**1st DeepWind 5 MW Baseline design**
Research output: Contribution to journal › Conference article – Annual report year: 2012 › Research › peer-review

**A Coupled Finite Difference and Moving Least Squares Simulation of Violent Breaking Wave Impact**
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research

**A High-order WENO Finite Difference Water Wave Model for Interactive Ship-Wave Simulation**
Research output: Contribution to conference › Paper – Annual report year: 2012 › Research › peer-review

**Airflow characteristics in the breathing zone of a seated person using desk incorporated pair of confluent jets as personalized ventilation - effect of supply velocities**
Research output: Contribution to conference › Paper – Annual report year: 2012 › Research › peer-review

A Model for Prediction of Propulsion Power and Emissions – Tankers and Bulk Carriers
Research output: Contribution to conference › Paper – Annual report year: 2012 › Research

An ALE Weighted Least Squares Method for Simulation of Violent Water Wave Impact
Research output: Contribution to conference › Paper – Annual report year: 2012 › Research › peer-review

An overset grid approach to linear wave-structure interaction
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

A numerical study of the aerodynamic admittance of bridge deck sections by a two-dimensional mesh-free vortex method
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research › peer-review

Backfilling of scour holes around piles
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

Blind estimation of a ship’s relative wave heading
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Breaking Wave on a Slender Cylinder: Comparison of Experimental Data and Numerical Results
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

CFD modelling of combined blast and contact cooling for whole fish
Research output: Contribution to conference › Poster – Annual report year: 2012 › Research

Dynamic selection of ship responses for estimation of on-site directional wave spectra
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Edge scour in current adjacent to stone covers
Research output: Contribution to conference › Paper – Annual report year: 2012 › Research › peer-review

Educating Maritime Engineers for a Globalised Industry - Bridging the Gap Between Industry and Universities
Efficient Pseudo-Spectral Model for Free Surface Nonlinear Water Waves
Research output: Contribution to conference › Paper – Annual report year: 2012 › Research › peer-review

Efficient pseudo-spectral model for nonlinear water waves
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research

Evaluation of nourishment schemes based on long-term morphological modelling
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Existing Design Trends for Tankers and Bulk Carriers - Design Changes for Improvement of the EEDI in the Future
Research output: Contribution to conference › Paper – Annual report year: 2012 › Research › peer-review

High-order Finite Difference Solution of Euler Equations for Nonlinear Water Waves
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

High Order Poisson Solver for Unbounded Flows
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research › peer-review

Implementation of the Spalart-Allmaras turbulence model in the two-dimensional vortex-in-cell method
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research

Influence of piston displacement on the scavenging and swirling flow in two-stroke diesel engines
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research

Method to Predict Long Time Span of Scour Around Offshore Wind Turbine Foundations
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Morphological modelling of the response to a shipwreck - A case study at Cape Town
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review
On the Effect of Hull Girder Flexibility on the Vertical Wave Bending Moment for Ultra Large Container Vessels
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

On the Influence of Hull Girder Flexibility on the Wave
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

RANS-based simulation of turbulent wave boundary layers and sediment transport
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research

Residual Liquefaction under Standing Waves
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

River Mouth Management In Malaysia-- An Overview of Issues
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Slamming Simulations in a Conditional Wave
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Solving the linear radiation problem using a volume method on an overset grid
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Staying dry under water
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2012 › Research

Swirling flow in model of large two-stroke diesel engine
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2012 › Research

Swirling flow in model of large two-stroke diesel engine
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review
Three dimensional remeshed smoothed particle hydrodynamics for the simulation of turbulent flow in complex geometries
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research

Time scale of scour around a pile in combined waves and current
Research output: Contribution to conference › Paper – Annual report year: 2012 › Research › peer-review

Towards Real Time Simulation of Ship-Ship Interaction
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research

Turbulence modelling in the two-dimensional vortex-in-cell method
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research › peer-review

Ultra-high-speed digital in-line holography system applied to particle-laden supersonic underexpanded jet flows
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Wave interaction with large roughness elements on an impermeable sloping bed
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Wave liquefaction in soils with clay content
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Wind-Tunnel Investigation of Wind Loads on a Post-Panamax Container Ship as a Function of the Container Configuration on Deck
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research

Environmental Performance Evaluation of Ro-Ro Passenger Ferry Transportation
Research output: Contribution to journal › Conference article – Annual report year: 2012 › Research › peer-review

High Spatial Resolution Imaging of a Supersonic Underexpanded Jet Impinging on a Flat Plate
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research › peer-review
Influence of piston position on the scavenging and swirling flow in two-stroke diesel engines
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2011 › Research › peer-review

Planar measurements of velocity and concentration of turbulent mixing in a T-junction
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research › peer-review

The effectiveness of moving masses in reducing the roll motion of floating vessels
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2010 › Research › peer-review

Multi Vessel interaction in shallow water
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research › peer-review

Numerical Study on the Effect of Buffer Bow Structure in Ship-to-ship Collisions
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2005 › Research › peer-review