

Session	Track "A"	Track "B"	Track "C"
<b>Monday, 26 September 2011</b>			
0	<b>Keynote Address (T. Armstrong)</b>		
Moderator: Dave Sargent		Moderator: Kevin Maki	Moderator: Patrick Purtell
1-1	T-Craft—What, Why & How?  Presenter: Skolnick, Wilson	Modeling the Constitutive Behavior of Polymer Foams  Presenter: Berdichevsky	The Use of Transport Factor as a Very Simple Model for Ship Design Exploration  Presenter: McKesson
1-2	The T-Craft Program – Merging Technology Development and Ship Design  Presenter: Redmond	Numerical Simulation of Composites Ship under Hydrodynamic and Blast Loads using Fluid Structure Interactions  Presenter: Ma	Hydrodynamic Trends in Ferry Design  Presenter: Richards
Moderator: David Kring		Moderator: Christopher Hart	Moderator: Daniel Sheridan
2-1	Surface Effect Ship Sizing and Synthesis: A Nonlinear Programming Approach  Presenter: Koullias	Structural Health Monitoring of Composite T-Joints Based on Distributed Effects of Localized Damages  Presenter: Ibrahim	Second Generation Design of Wave Adaptive Modular Vessels (WAM-V®): A Technical Discussion of Design Improvements  Presenter: Conti
2-2	Comparison of Model Scale and Full Scale Deceleration of a Fully Skirted Air Cushion Vehicle in Sideslip  Presenter: Cole	An Holistic Approach to Design and Construction of Composite Ships  Presenter: Skomedal	Multi-body Dynamic Simulation and Analysis of Wave-adaptive Modular Vessels  Presenter: Ahmadian
2-3	MVDC and HFAC Electric Power System Architectures for the Transformable Sea Base Connector (T-Craft)  Presenter: Herbst	Comparison of Turbulence Models for Simulating Flow in Waterjets  Presenter: Chrysostomidis	Simulation and Testing of Wave-adaptive Modular Vessels  Presenter: Peterson
Moderator: Kelly Cooper		Moderator: Gregory Grigoropoulos	Moderator: Julie Stark
3-1	The Application of T-Craft Technology to Future Sea Base Connectors  Presenter: Moore	Modes of Vibration of High Speed Ship Hull Sections  Presenter: Davis	Stability and Safety Issues for High Speed Operation of Rigid Inflatable Boats  Presenter: Wines
3-2	Development of a Large Scale Surface Effect Ship Bow Seal Testing Platform  Presenter: Wiggins	Lifecycle Fatigue Management for High-Speed Vessels Using Local Approaches  Presenter: Collette	An Experimental Study on Instability of a Super High-speed Planing Craft with Outboard Engine at Straight Running  Presenter: Katayama
3-3	Numerical Simulation of Flow About a Surface-Effect Ship  Presenter: Neu	Computational Assessment of Build Strategies for A Titanium Mid-Ship Section  Presenter: Dong	A Hybrid Method for Predicting Lift and Drag on Semi-planing/Semi-displacement Hull Forms  Presenter: Taravella

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<b>Tuesday, 27 September 2011</b>			
Moderator: Patrick Purtell	Moderator: Robert Wilson		Moderator: Dan Bagnell
4-1	Scaling of Resistance from Surface-Effect Ship Model Tests  Presenter: McKesson	Comparison of Long-term Fatigue Damage in Bulk Carrier, VLCC and Container Carrier Subjected to Wave-induced Vibrations  Presenter: Iijima	The Most Sophisticated and Successful High-Speed Ships for Their Time  Presenter: Werenskiold
4-2	T-Craft Calm Water Resistance and Motions, and Seakeeping in Regular Waves  Presenter: Bhushan	Life-Cycle Ship Reliability Assessment, Damage Detection, and Optimization  Presenter: Frangopol	CFD-Based Multiobjective Optimization of Waterjet Propelled High Speed Ships  Presenter: Tahara
4-3	T-Craft – A Transformable Sea Base Connector  Presenter: Latham	Global Load Estimations for a 75 Meter FRP Composite SES Vessel Using a Scaled Model Instrumented with a Network of Fiber Optic Sensors  Presenter: Jensen	Multi-Objective Particle Swarm Optimization of a Planing Craft with Uncertainty  Presenter: Knight
Moderator: Dave Sargent	Moderator: Gregory Grigoropoulos		Moderator: Chris McKesson
5-1	Hinged Ship to Ship Connection for At Sea Cargo Transfer  Presenter: Espeland	Investigation of Wave Impact and Whipping Response on the Fatigue Life and Ultimate Strength of a Semi-Displacement Patrol Boat  Presenter: DeBord	Study of a Novel Air Augmented Waterjet Boost Concept  Presenter: Gany
5-2	A Numerical Investigation into the Linear Seakeeping Ability of the T-Craft  Presenter: Bandas	A Comparison of Numerical Methods to Predict the Progressive Collapse of Lightweight Aluminium Vessels  Presenter: Benson	Support Logistics Landing Craft Concept Design  Presenter: TBD
5-3	Structural Evaluation of Metallic and Composite Material Systems Used for T-Craft Hull Structure  Presenter: Garala	Optimization of Hull Structures for a 60 Meters Megayacht  Presenter: Motta	Hydrodynamics of Surface-Piercing Outboard and Sterndrive Propulsion Systems  Presenter: Scherer
Moderator: Bill Milewski	Moderator: Mark Redmond		Moderator: Julie Stark
6-1	Using Soft Computing Technologies for the Simulation of LCAC Dynamics  Presenter: Hess	Maximsing Efficiency and Minimising Cost in High Speed Craft  Presenter: Davis	Shock Mitigation Of Planing Craft Using The ARES® Aft Lifting Body System  Presenter: Shimozono
6-2	Air Cushion Adaptive Disturbance Cancellation for the Reduction of Wave Induced Motion of Ramp-Connected Ships  Presenter: Krstic	Experimental Investigation of the Lift and Interference of Asymmetric Planing Catamaran Demi-Hulls  Presenter: Morabito	Planing Craft Acceleration Prediction Using Vibro-Impact Methodology  Presenter: Troesch
6-3	Applying Soft Constraints to Multi-Disciplinary Design Optimization using Fuzzy Logic  Presenter: Cuneo	Nonlinear Adaptive Model Predictive Control for Ship Path-Following Using Parametric Neighbouring Extremal Approach  Presenter: Sun	Testing and Modeling of Shock Mitigating Seats for High Speed Craft  Presenter: Ahmadian

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<b>Wednesday, 28 September 2011</b>			
Moderator: David Kring		Moderator: Leonard Imas	Moderator: Brandon Taravella
7-1	Large Surface Effect Ship Size Limits Presenter: Koullias	Seakeeping Evaluation and Loads Determination of a High-Speed Hull Form With and Without a Bow Lifting Body Presenter: Engle	An Improved Z-Drive with Contra-Rotating Propellers for High-Speed Applications Presenter: Schulze
7-2	SES Seakeeping Motion in Transforming Near-Shore Head Seas Presenter: Dhanak	Hydroelastic Effects in Slamming Loaded Panels Presenter: Razola	Application of the new FORTJES® Z-drive from REINTJES on planing vessels Presenter: Weber
7-3	Nonlinear Roll Motions of a Frigate-Type Trimaran Presenter: Onas	Development of an Emergency Trip System in Response to a Ride Control System FMEA Presenter: Ranzenbach	Ride Quality Index – A New Approach to Quantifying the Comparison of Acceleration Responses of High-Speed Craft Presenter: Riley
Moderator: Woei-Min Lin		Moderator: Kelly Cooper	Moderator: Christopher Hart
8-1	Seakeeping Analysis of a Medium Speed Twin-Hull Containership Presenter: Grigoropoulos	Optimization of Waterjet Propelled High Speed Ships-JHSS and Delft Catamaran Presenter: Kandasamy	Multi Objective Optimization under Uncertainty for Catamaran Preliminary Design Presenter: Vasconcellos
8-2	Trimaran Hull Form Development for America's Marine Highways EXPRESS SERVICE Trailership Presenter: Mizine	The Influence of Catamaran Hull Form on Added Resistance In Head Seas Presenter: Macfarlane	Seaworthiness of Resonance-Free Swath with Movable Fins as an Oceangoing Fast Ship Presenter: Yoshida
8-3	Trimaran Resistance Artificial Neural Network Presenter: Royce	Hydrodynamic Optimization of Multihull Ships Presenter: Yang	Time-Domain Seakeeping Simulations for a High Speed Catamaran with an Active Ride Control System Presenter: Hughes
Moderator: Neal Fine		Moderator: Bill Milewski	Moderator: Kevin Maki
9-1	Study on Linear 3D Rankine Panel Method for Prediction of Semi-Displacement Vessels' Hydrodynamic Characteristics at High Speed Presenter: Ommani	Hydroelasticity of Marine Vessels Advancing in a Seaway Presenter: Das	Numerical Modeling of a Planing Hull Maneuvering in a Regular Wave, Part 1: Dynamic Instability Presenter: Hughes
9-2	URANS Simulation of Catamaran Interference Presenter: Stern	Application of SPH in Fluid-Structure Interaction Problems Involving Free-Surface Hydrodynamics Presenter: Imas	Numerical Modeling of a Planing Hull Maneuvering in a Regular Wave, Part 2: Safety Operation Presenter: Hughes
9-3	Solving Nonlinear Wave-Body Interaction Problems with the Pre-corrected Fast Fourier Transform (pFFT) Method Presenter: Weems	Validation of a Time Domain Panel Code for High Speed Craft Operating in Stern Quartering Seas Presenter: de Jong	Dual-operating-point blade optimization for high-speed propellers Presenter: Epps
Moderator: Leonard Imas		Moderator: Dan Bagnell	Moderator: Chris McKesson
10-1	Investigation of Skirt Dynamics of Air Cushion Vehicles Under Non-linear Wave Impact Using a SPH-FEM Model Presenter: Jones	Calm water and seakeeping investigation for a fast catamaran Presenter: Stern	Investigation of Cylinder Planing on a Flat Free Surface Presenter: Yen
10-2	Anisotropic Grid Adaptation for RANS Simulation of Ship Flow Presenter: Queutey	Hydroelastic Wedge Entry and Exit Presenter: Piro	Development of a new SAR boat for the Royal Netherlands Sea Rescue Institution Presenter: Keuning
10-3	Nonlinear Nearshore Wave Environment for Ship Motion Presenter: Xiao	Stern End Bulb for Energy Enhancement and Speed Improvement Presenter: Karafiath	Measurements and Computational Predictions of a Deep-V Monohull Planing Hull Presenter: Fu

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<b>Thursday, 29 September 2011</b>			
Moderator: David Kring	Moderator: Brandon Taravella		Moderator: Woei-Min Lin
11-1	Numerical Investigation of the Impact of SES-Waterjet Interactions and Flow Non-uniformity on Pump Performance  Presenter: Young	Influence of Centrebow on Motions and Loads of High-Speed Catamarans  Presenter: Matsubara	Automatic Parametric Hull Form Optimization of Fast Naval Vessels  Presenter: Vernengo
11-2	Single and Multi-Body Surface Effect Ship Simulation for T-Craft Design Evaluation Presenter: Milewski	An Investigation into the Effect of Section Shape on the Interference Resistance of Catamarans Presenter: Gelles	A Method for Resistance Prediction in the Design Environment  Presenter: Rosemurgy
11-3	Re-Evaluation of Resistance Prediction for High-Speed Round Bilge Monohull Forms Presenter: Sahoo	Numerical and Experimental Evaluation of Waterjet Propelled Delft Catamarans Presenter: Stern	Hydrodynamic and Supportive Structure for Gated Ship Sterns - Amphibious Ship Stern Flap Presenter: Cusanelli
Moderator: Mark Redmond	Moderator: Neal Fine		Moderator: Robert Wilson
12-1	Dynamic Performance of the NTUA Double-Chine Series Hullforms in Random Waves Presenter: Grigoropoulos	Pressure Sensor Arrays to Optimize the High Speed Performance of Ocean Vehicles Presenter: Fernandez	Bending Tests of Inflatable Dropstitch Panels  Presenter: Falls
12-2	Experimental and Simulation Studies on Fast Delft372 Catamaran Maneuvering and Course Stability in Deep and Shallow Water  Presenter: Milanov	Theoretical Considerations and Experimental Investigation of Seakeeping of Transonic Hulls  Presenter: Calderon	Recent Advancements in the Development of Inflatable Multi-Hull Boats Utilizing Drop-Stitch Fabric  Presenter: Bagnell
12-3	On the Lateral Accelerations of Multihulls compared against the Cruise Performance requirements of the HSC Code Annex 9 – a Safety Issue Presenter: Armstrong	Structural Responses of High Performance Sailing Yachts to Slamming Loads  Presenter: Battley	Impacts of the Energy Efficiency Design Index (EEDI) on Future Designs of Fast RoRo and RoPax Ferries  Presenter: Pundt
Moderator: Neal Fine	Moderator: Daniel Sheridan		Moderator: Christopher Hart
13-1	Simulation of Maneuvering in Waves for a High-Speed Surface Effect Ship Presenter: Kring	Hydrodynamic Forces on High-Speed Ships in Forced Vertical Motions Presenter: Faltinsen	A Tool for Analysing and Comparing Tri-SWACH, Monohull and Trimaran Hullforms Presenter: McDonald
13-2	Dynamics and Stability of Boats with Aerodynamic Support  Presenter: Matveev	Effects of Shallow Water on Catamaran Interference  Presenter: Castiglione	Submersible Aircraft Concept Design Study  Presenter: Eastgate
13-3	Early-Stage Design Criterion for Surf-Riding Susceptibility of Displacement Monohulls Presenter: Belenky	Formation Cruising for Efficiency  Presenter: Sarles	Hydrodynamic Design of a Family of Hybrid SWATH Unmanned Surface Vehicles Presenter: Brizzolara
13-4		Simulation of Free Fall Lifeboats – Impact Forces, Slamming and Accelerations Presenter: Tregde	Increasing Propulsion Plant Efficiency with Thermoelectric Heat Recovery Presenter: Wallace