

## HIGH SPEED MARINE VEHICLES

Naples, 23-25 October 2023











## HSMV 2023 13th Symposium High Speed Marine Vehicles, Technical Programme

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	23rd October	24th October
9:00 -9:30	Registration	SESSION 4: Experimental Hydrodynamics, chaired by Prof. Fabio De Luca
9:30: 10:30	Opening Ceremony Keynote 1: Maggi et al., Preliminary design of a new Coast Patrol Vessel Class with a SWATH shape Keynote 2: Portolano A., Impact of New Regulation on Shipping Company	Pedisic Buca, Influence of Stern Trim Control Devices upon Resistance of High Speed Vessels Mauro et al., Shallow Water Resistance Estimation for Semi-Displacement Slender Ships Keser et al., The Design, Production, Verification, and Calibration of an Elastic Model of a Catamaran for Hydroelastic Experiments Wang et al., Development and Testing of a Free Running Model for Experimental Hydrodynamic Study of Planing Boat
10:30 - 11:00	Coffee Break	Coffee Break
11:00 – 12:30	SESSION 1: Planing Hydrodynamics, chaired by Prof. Ermina BEGOVIC Garme, Warp Effects and Bow Submergence; over the Limit for a 2D+t Strip Model of HSC?  Bonci & De Jong, High-Speed RHIB Seakeeping Analysis Using Non-Linear Time Domain Simulations and Systematic Hull Parametrization  Bilandi et al., Stepped Hulls Early Stage Design by Implementing 2D+T Method Bašić et al., Novel Approach for Simulating Planing Using Lagrangian CFD	SESSION 5: Ship Design, chaired by Dr. Igor BACKALOV Godø & Steen, A Comparative Study of the Energy Efficiency of Hydrofoil Vessels and Slender Catamarans Coppola et al., Feasibility Study of a Zero-Emission Passenger Catamaran Ferry Operating in Italian Coastal Island Coppola et al., Methanol and Fuel Cell for Cold Ironing Achieving Emission Reduction and Its Economic Assessment Altunsaray et al., Ways of Weight Optimization for Polymer-Based Composite High-Speed Marine Vehicles
12:30 – 14:00	Lunch Break	Lunch Break
12:30 – 14:00 14:00 – 15:30	Lunch Break  SESSION 2: Resistance and Manoeuvring of Fast Ships, chaired by Prof. Abbas DASHTIMANESH  Bozzo & Villa, A Fast Numerical Procedure to Design the Shaftline Struts  Bilandi et al., How to Improve Full-Scale Self-Propulsion Simulations? A Case Study on a Semi-Displacement Hull  Begovic et al., Determination of Hydrodynamic Maneuvering Coefficients of a Planing Hull Using CFD with the Aid of SDT  Ambrosino et al., Prediction of Manoeuvring Characteristics in the Concept Design of a Destroyer	Lunch Break  SESSION 6: Comfort on Board and Regulatory Framework, chaired by Prof. Karl GARME  Peri, A Smart Materials Driven Approach to the Interior Design of Cruise Ships  Ilic & Backalov, Surf-Riding of Ships from the MARIN Series of Fast Displacement Ships  Begovic et al, Application of ISO 22834 for Comfort Assessment on a Large Yacht  De Alwis & Garme, Feasibility of Using Kidney-Belt-Mounted Accelerometers for Measuring  Shock and Vibration Exerted on the Lumbar Spine Region of High-Speed Marine Craft Occupants
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