

Wednesday 07.09.2022.	
Welcome party	

Thursday 08.09.2022.	
Registration Emilia	
8:00-9:30	
Opening ceremony Invited speaker Bettar el Moctar (University Duisburg-Essen)	
9:30-10:00	
Numerical and Experimental Methods in Marine Engineering: Advances and Perspectives Invited speaker Josip Andrišić (FLOW ship design)	
10:00-10:30	
Ship Design: Current Trends and Challenges Invited speaker Hrvoje Krhen (LNG Croatia)	
10:30-11:00	
LNG Market: Global and Local Development Perspectives	
11:00-11:30	
Coffee break	
11:30-11:50	

Emilia		Katarina		Andrina	
Hydromechanics of vessels and offshore structures Chair: Jasna Prpić-Oršić		Design of vessels and offshore structures, safety and offshore engineering Chair: Roko Dejhalla		Construction, strength and vibration of vessels and offshore structures Chair: Joško Parunov	
Numerical Assessment of the Nominal Wake for the Japan Bulk Carrier Andrea Farkas, Nastia Degiuli, Petar Glušić, Ivana Martić, Carlo Giorgio Grlj		Site Condition Assessment and Design Basis - Getting the Basics Right for a Successful Offshore Wind Project Neil Morgan, Ivan Bubić, Gianpaolo Dalla Vedova		Reliability Analysis of Secondary Hull Component Siri Kolle Kleivane, Bernt Johan Leira, Sverre Steen	
The Prediction of Added Resistance in Waves at the Preliminary Design Phase of a Container Ship Based on an Artificial Neural Network Ivana Martić, Nastia Degiuli, Andrea Farkas, Carlo Giorgio Grlj		Adriatic Blue-Green Oil Tanker Class Dario Ban		FEA of Hyperelastic Structures: a Case From the Submarine Design Marin Palaversa, Joško Parunov	
The Impact of Numerical Parameters on the Hydrodynamic Characteristics of a Post-Panamax Containership Carlo Giorgio Grlj, Nastia Degiuli, Andrea Farkas, Ivana Martić		General and Structural Design of Floating Garage Iva Klara Lajtner, Josip Luka Erhardt, Vedran Slapničar, Jerolim Andrić		Structural Design by Analysis of Touristic Submarine with Acrylic Hull Maro Čorak, Zdenko Šperanda, Juvel Čokić, Joško Parunov	
Wave Response Prediction of a Containership Scale Model Using CFD with Overset Mesh Method Ivan Sulovsky, Guillaume du Hauteclocque, Jasna Prpić-Oršić		Design of LNG Tank Type C Helena Galić, Vedran Slapničar, Smiljko Rudan		Current State of Development of OOFEM, an Open-source Tool for FEA of Ship Structures Marin Palaversa, Pero Prebeg, Jerolim Andrić, Stanislav Kitarović	
The Effect of Dominant Wind Patterns in Adriatic to the Long-term Extreme Significant Wave Heights Antonio Mikulić, Joško Parunov		Existing Floating Dock Part Extension to a Dewey Type 65000 t Floating Dock Initial Design Luka Mudronja Robert Grubiša, Marko Pirija		Structural Analysis of RO-RO Ship According to Lloyd's Register Rules for Direct Calculation J. Andrić, K. Pirić, S. Pavletić, P. Prebeg, A. Dmitrašinović, M. Tomičić	
13:30-15:00		Lunch			

Emilia		Katarina	
Hydromechanics of vessels and offshore structures Chair: Andrea Farkas		Design of vessels and offshore structures, safety and offshore engineering Chair: Vedran Slapničar	
Energy Efficiency Improvement Possibilities of The Croatian Double-Ended Ferry Fleet Božidar Šarić, Igor Lalović		Wave Measurement in the Adriatic Sea Using Floating Buoy Tamara Petranović, Ivana Gledić, Marko Katalinić, Petar Matić, Srđan Vujičić, Joško Parunov	
Energy Saving Devices in Ship Propulsion Andro Bakica, Nikola Vladimir		Reverse Engineering Methods in Deviation Measurements of Golden Horizon Masts Ivana Željčković, Ratko Mimica, Ante Katić, Tina Celić	
Hydrodynamic Interacton Effects between Ships in Restricted Water Depth Renato Skejić		Measurement of Ship Hull Deformations Using 3D Laser Scanning Ivana Željčković, Ratko Mimica, Ante Katić, Tina Celić	
Partially Rotating Grid Method for Prediction of Self-Propulsion Characteristics Sanijo Đurasević, Inno Gatin, Hrvoje Jasak		Innovative Developments in the Croatian Mariculture Within the Intel-Maric Project Tena Bujas, Nikola Vladimir, Marija Koričan, Vladimir Soldo, Zdenko Tonković	
Multibody Dynamics Model for Wave Motions of Floating Photovoltaics Ivan Čatipović, Luka Ilić, Antonio Mikulić, Darko Smoljan		IHC Technical presentation	
16:40-17:00		Coffee break	

Emilia		Katarina	
Hydromechanics of vessels and offshore structures Chair: Nastia Degiuli		Marine engineering, automation and equipment of vessels and offshore structures Chair: Milan Kalajdžić	
Numerical Assessment of Appended Hull Resistance of a RoPax Shipp Matej Dević, Branko Blagojević, Filip Raić, Josip Bašić, Martina Bašić		Reduced Order Model of Airflow in a Room with Multiple Swirl Diffusers Dario Pupić, Darko Smoljan	
Multi-Mode Variable Pitch Propeller and the Efficiency of its Operation as a Part of Coaxial Rotation Propellers L. Vishnevskii, A. Togujac, M. Popov		Test Rig for Validating of the Marine Sliding Bearings Properties Nenad Vulić, Liane Roldo	
Estimation of Drag Coefficient of a Bare Hull of a Submarine Moving in Different Directions Hassan Saghi, Antonio Mikulić		Thermodynamic Analysis of Liquified Natural Gas Supply for Dual Fuel Engines Damjan Bator, Danijel Zdravec, Nenad Ferdelji	
Procjena otpora trupa velikog jedrenjaka Filip Raić, Branko Blagojević, Josip Bašić, Martina Bašić		An Overview of Maintenance Procedures for Ship Machinery Ivana Jovanović, Nikola Vladimir, Maja Perčić, Marija Koričan	

Friday 09.09.2022.			
Emilia		Katarina	
Production and maintenance of vessels and offshore structures Chair: Marko Hadjina		Design of vessels and offshore structures, safety and offshore engineering Chair: Antonio Mikulić	
The Performance of Surface Treatments and the Use of Duplex Stainless Steel to Avoid Galvanic Corrosion between Shaft Casing and Shutter M. Victoria Biezma-Moraleda, Paul Linhardt, Carlos Berlanga, Pablo Colve, Alberto Porras, David Arenal		Power Output Estimation of Oscillating Surge Wave Energy Converter Ivan Čatipović, Robert Orlović, Neven Alujević, Vedran Slapničar	
Influence of Layer Thickness on Corrosion Protection Properties of Multilayer Coating System Ivan Stojanović, Lovro Turkalj, Ivan Cindrić, Ivan Juraga, Vesna Alar, Vinko Šimunović, Marin Kurtela, Hrvoje Franjić		Virtual Ship Simulation and Commissioning Rodrigo Perez Fernandez, Mirko Toman	
Additive Manufacturing for Marine and Offshore: Key Breakthroughs and Future Perspective Tolga Berkay Şirin, Arif Savaş		Lasersko skeniranje kompozitnog kalupa za izradu jahti, obrada snimki i izrada 3D modela Ivana Željčković, Ratko Mimica, Ante Katić, Tina Celić	
High Density Polyethylene (HDPE) as a Prominent Marine Small Craft Building Material: Opportunities and Obstacles Ayberk Sözen, Gökdeniz Neşer		Primjena programa otvorenog koda d3v za vizualizaciju i utvrđivanje karakteristika analitički zadane forme Pero Prebeg, Ivan Čatipović, Ivan Munić, Gordana Šikić, Luka J. Erhardt, Tomislav Pavlović, Ivan Oreč	
Usporedba metoda predmontaže zakrivljenih sekcija u brodograđevnom procesu Ivan Maslov, Karmela Prlac, Goran Kovačević, Boris Ljubenkov			
10:40-11:00		Coffee break	

Emilia		Katarina	
Production and maintenance of vessels and offshore structures Chair: Boris Ljubenkov		Maritime transport and economics Chair: Ivana Martić	
A Simple Method to Estimate Key Performance Indicators of the Prefabrication and Fabrication Production Line in a Shipyard Viktor Ložar, Neven Hadžić, Tihomir Opetuk, Hrvoje Cajner		Energy Efficiency of Inland Vessels: Current Status Milan Kalajdžić, Matija Vasilev, Nikola Momčilović	
Polylactic Acid (PLA) and Wood Composite as a Sustainable Material Alternative in Additive Boat Manufacturing and its Degradation in Marine Environment Selin Barış Çamlı, Gökdeniz Neşer, Ayberk Sözen		Enhancement of National Regulations for Preventing Marine Pollution in the Adriatic Ionian Region Marija Koričan, Nikola Vladimir, Dario Omanović, Loukia Prentza, Eirini-Asimina Stamatopoulou, Nikolaos P. Ventikos	
Numerical Modeling of a Prefabrication and Fabrication Production Line in a Shipyard Viktor Ložar, Tihomir Opetuk, Neven Hadžić, Hrvoje Cajner		Utjecaj starosti ribarskih brodova na značajke energetske učinkovitosti Ivica Ančić, Lidija Runko Luttenberger	
Analysis of Organizational Models of Shipbuilding Production in Selected Domestic and Foreign Shipyards Rajko Rubeša, Tin Matulja, Marko Hadjina, Jakov Rajić			
Ship Outfitting Efficiency Improvement Petar Lisičić, Rajko Rubeša, Marko Hadjina, Tin Matulja			
13:00-14:30		Lunch	

Emilia	
Round Table	
The future of Croatian shipbuilding (in Croatian)	
Closing ceremony	
20:00-24:00	
Conference dinner	

Saturday 10.09.2022.	
9:00-15:30	
Conference excursion	