

PROGRAMME

Wednesday, 7 October 2026	
Time	Event
13:00 – 17:30	Shipyard Visit (<u>Argo Navis Shipyard, Belgrade</u>) <i>Bus departs at 13:00 from the main entrance of the <u>Faculty of Mechanical Engineering (address: Kraljice Marije 16)</u></i>
19:00 – 21:00	Welcome Gathering with Cocktail Dinner <i><u>Faculty of Mechanical Engineering (address: Kraljice Marije 16)</u>, First floor, Library Room</i>

Thursday, 8 October 2026 (Part I)	
Venue: <u>Faculty of Mechanical Engineering (address: Kraljice Marije 16)</u>	
Time	Event
08:00 – 09:00	Registration Hall 211 (Second floor)
09:00 – 09:30	Opening Ceremony with Welcome Speeches Hall 211 (Organizing Committee & Dean of the Faculty of Mech. Engineering) (Second floor)
09:30 – 10:00	Keynote & Invited Lecture (1): Behind the Scenes of CFD Validation: How are Measurements on Actual Ships Performed? Hall 211 <i>Dr. Dmitry Ponkratov (SIEMENS Digital Industries Software)</i> (Second floor)
10:00 – 10:30	Keynote & Invited Lecture (2): Some Aspects of Hydro-Structure Interactions for Offshore and Naval Applications Hall 211 <i>Dr. Šime Malenica (Bureau Veritas)</i> (Second floor)
10:30 – 11:00	Keynote & Invited Lecture (3): Review of Challenges in Developing Ships for Polar Waters Hall 211 <i>Prof. Dr. Pentti Kujala (Taltech, Estonian Maritime Academy)</i> (Second floor)
11:00 – 11:30	Coffee Break Room 210 (Second floor)
11:30 – 12:40	Panel Discussion: What Kind of Naval Architects Do We Need for the Future? Hall 211 Moderator: <i>Marko Valčić</i> (Second floor) Panelists: <i>Dr. Dmitry Ponkratov (SIEMENS Digital Industries Software),</i> <i>Dr. Šime Malenica (Bureau Veritas)</i> <i>Prof. Dr. Pentti Kujala (Taltech, Estonian Maritime Academy)</i>
13:00 – 14:00	Lunch Break

PROGRAMME

Thursday, 8 October 2026 (Part II)		
Venue: <i>Faculty of Mechanical Engineering (address: Kraljice Marije 16)</i>		
Time	Event	
14:00 – 15:00	Registration Hall 211 (Second floor)	
15:00 – 16:40	Parallel Sessions	
	Hall 211 (Second Floor)	Library Room (First Floor)
	TOPIC: STRENGTH (I) Chairs: Joško Parunov and Jerolim Andrić	TOPIC: HYDRODYNAMICS (I) Chairs: Šime Malenica and Milica Vidić
15:00 – 15:20	Local Strength Analysis of Offshore Platform Deck Grillage Structures under Local Equipment and Storage Loading <i>Dai Zhijie, Ji Yuheng, Li Chuntong and Wang Deyu</i>	Numerical Assessment of Wing-Assisted Propulsion: Case Study <i>Matija Vasilev and Milan Kalajdžić</i>
15:20 – 15:40	Benchmarking Rapid Methods for Midship Vertical Wave Bending Moment Using a Frequency Independent Model Error Metric <i>Joško Parunov, Maro Čorak and Antonio Mikulić</i>	Assessment of the Scale Effects on the Nominal Wake of a Bulk Carrier Through Virtual and Real Fluid Approaches <i>Carlo Giorgio Grlj, Nastia Degiuli and Ivana Martić</i>
15:40 – 16:00	Probabilistic Evaluation of MV Arvin Hull Girder Collapse in Black Sea Conditions <i>Nemanja Ilić, Stefan Rudaković and Nikola Momčilović</i>	Hydrodynamic Design of Wake-Adapted Ducted Propellers based on Self-Propulsion CFD Analysis <i>Andriy Pechenyuk and Dean Vučinić</i>
16:00 – 16:20	Structural Design of River Cruise Ships <i>Jerolim Andrić, Josip Andrišić, Stanislav Kitarović, Mateja Tomičić, Dominik Banjedvorec and Luka Jozić</i>	Reconstruction and CFD Validation of Series 60 Hull Forms as a Basis for Bow and Stern Modification Studies <i>Ines Ivković, Matija Vasilev and Milan Kalajdžić</i>
16:20 – 16:40	Comparative Analysis of European Inland Passenger Vessel Panel Buckling Stresses Obtained Using Rule-Based Formulas and Finite Element Analysis <i>Zoran Stanojčić</i>	Quasi-Parametric Local Hull Geometry Optimization <i>Inno Gatin, Robert Keser and Vuko Vukčević</i>
16:40 – 17:10	Coffee Break Room 210 (Second floor)	

PROGRAMME

Thursday, 8 October 2026 (Part III)

Venue: *Faculty of Mechanical Engineering (address: Kraljice Marije 16)*

Time	Event	
17:10 – 18:30	Parallel Sessions	
	Hall 211 (Second Floor)	Library Room (First Floor)
	TOPIC: STRENGTH (II) Chairs: Wang Deyu and Li Chuntong	TOPIC: HYDRODYNAMICS (II) Chairs: Nastia Degiuli and Dean Vučinić
17:10 – 17:30	Structural Assessment of Tender Lifting Points by FEA and Proof Testing <i>Nemanja Ilić and Milan Kalajdžić</i>	A Validated CFD–ROM–FEM Framework for Near Real-Time Thermal Assessment of Cryogenic Hydrogen Carriers <i>Marco La Valle, Tommaso Rosolen, Emiliano Costa, Rodolfo Taccani, Ronelly José De Souza, Nicola Demo, Andrea Martini and Davide Miotti</i>
17:30 – 17:50	Integrated Methodology for Determining the Shear Properties of the Foam Core of Sandwich Panels <i>Davor Bolf, Albert Zamarin, Marko Hadjina and Marino Brčić</i>	Numerical Investigation of Parametric Rolling in Conical Wave-Energy Buoys <i>Anton Turk, Marijana Marjanović, Marko Hadjina and Jasna Prpić-Oršić</i>
17:50 – 18:10	Experimental and Numerical Analysis of Additively Manufactured Polymer Sandwich Structures under Bending and Tension <i>Marino Brčić, Davor Bolf, Martin Brcković, Dominik Roginek and Heshuai Yu</i>	Experimental Studies of the Motion Responses of an Offshore Wind Platform and Supply Vessels in Projects EAGLE and AEROGANP <i>Milica Vidić, Anne Gosset and Marcos Míguez González</i>
18:10 – 18:30	Insights into Offshore Cranes Studies: A Review <i>Andro Dragović, Ana Petrović, Nikola Momčilović, Milan Kalajdžić and Nenad Zrnić</i>	

PROGRAMME

Friday, 9 October 2026 (Part I)		
Venue: <i>Faculty of Mechanical Engineering</i> (address: Kraljice Marije 16)		
Time	Event	
08:15 – 09:00	Registration	
09:00 – 10:20	Parallel Sessions	
	Hall 211 (Second Floor)	Library Room (First Floor)
	TOPIC: STABILITY Chairs: Tomasz Hinz and Stefan Rudaković	TOPIC: DESIGN Chairs: Pentti Kujala and Artur Karczewski
09:00 – 09:20	Impact of Hull Shape on Ships' Vulnerability to Excessive Acceleration: a Parametric Analysis in the Context of the Second Generation Intact Stability Criteria <i>Tomasz Hinz, Karolina Bierkowska, Przemyslaw Krata, Grzegorz Mazerski and Henrique Gaspar</i>	Regression Models for Estimating Cruise Ship Main Dimensions in the Early Stages of Design <i>Francesco Mauro, Ahmed Salem, Enrico Del Piero, Luca Braidotti, Serena Bertagna and Vittorio Bucci</i>
09:20 – 09:40	A Novel Framework for Stability Assessment of River-Sea Ships <i>Stefan Rudaković and Igor Bačkalov</i>	Empirical Estimation of Interior Outfit Density for Preliminary Design of Floating Residential Units <i>Artur Karczewski and Natalia Wcisło</i>
09:40 – 10:00	Development of Stability Metamodels for the Concept Design of Hard-Chine Small Motor Yachts <i>Enrico Del Piero, Matteo Del Monte, Niccolò Scanavino, Luca Braidotti, Francesco Mauro, Serena Bertagna and Vittorio Bucci</i>	Closing the 3D–2D Gap in Ship Structural Design <i>Aleksa Suvačarov</i>
10:00 – 10:20	Assessment of Yacht Stability Code Limitations through the Bayesian Sinking Case Study <i>Marko Perković, Maciej Gucma, Peter Vidmar and Jure Srše</i>	From Design to Planing: Hull Development and Water Trials of a 6 m Electric Wing-in-Ground Vehicle <i>Zorana Milošević, Daniel Bajo Collados and Sergio Dominguez</i>
10:20 – 10:50	Coffee Break	
		Room 210 (Second floor)

PROGRAMME

Friday, 9 October 2026 (Part II)		
Venue: <u>Faculty of Mechanical Engineering</u> (address: Kraljice Marije 16)		
Time	Event	
10:50 – 12:30	Parallel Sessions	
	Hall 211 (Second Floor)	Library Room (First Floor)
	TOPIC: DECARBONISATION & ENERGY EFFICIENCY & POLLUTION (I) Chairs: Marijana Marjanović and Josip Orović	TOPIC: OPERATION Chairs: Maciej Gucma and Aqsa Yaseen
10:50 – 11:10	From Dual-Fuel Retrofit to Methanol Newbuildings: A Fleet-Renewal Strategy for Small Passenger Ships <i>Marko Novaselić, Tomislav Bukša and Marko Valčić</i>	Towards Autonomy Crew Transfer and Service Vessels in Offshore Wind Farms: Technologies, Challenges, and Research Gaps <i>Marvin Roshan Crompton Ramesh, Aqsa Yaseen, Inga Zaitseva-Pärnaste and Pentti Kujala</i>
11:10 – 11:30	Impact of Fuel Additives on Passenger Ship Energy Efficiency <i>Vlatko Knežević, Josip Orović, Zoran Pavin and Miroslav Vukičević</i>	A Review: Learning-Based Collision Avoidance Methods for Autonomous Vessels (2021–2025) <i>Aqsa Yaseen, Marvin Roshan Crompton Ramesh, Karl Janson and Pentti Kujala</i>
11:30 – 11:50	Are Container Ships Becoming More Energy Efficient? <i>Matija Vasilev, Milan Kalajdžić, Nikola Momčilović and Filip Miltenović</i>	Digital Twin Applications in Marine Engines <i>Marko Kopic, Dean Bernečić, Goran Vukelić and Tomislav Senčić</i>
11:50 – 12:10	The Impact of Heavy Ballast on the Energy Efficiency of Bulk Carriers <i>Veljko Perović and Milan Kalajdžić</i>	Digital Twin Concepts for Decision-Making in Retrofit, Repair and Maintenance of Hybrid Maritime Power Plants <i>Valentin Bratkov and Pentti Kujala</i>
12:10 – 12:30	Energy System of Methanol Fuelled Ships <i>Ivan Gospić, Luka Grbić, Nastia Degiuli, Mate Barić and Đani Duka</i>	Assessment of Main Engine Replacement on a Seismic Survey Vessel <i>Luka Mijatović, Nemanja Ilić, Matija Kovačević and Milan Kalajdžić</i>
12:45	Group Photo	
13:00 – 14:00	Lunch Break	

Faculty hall
(entrance)

PROGRAMME

Friday, 9 October 2026 (Part III)

Venue: Faculty of Mechanical Engineering (address: Kraljice Marije 16)

Time	Event	
14:00 – 14:40	POSTER SESSION Library Room (First Floor)	
	Hi4TrAIning: Physics-Based VR Training for Gas and Alternative Fuel Ships - Integration of CFD, Reduced-Order Models and AI into Immersive Maritime Safety Training Environments <i>Marco La Valle, Emiliano Costa, Gianluigi Rozza and Stefano Burigat</i>	
	Integrated Methodology for Determining the Shear Properties of the Foam Core of Sandwich Panels <i>Davor Bolf, Albert Zamarin, Marko Hadjina and Marino Brčić</i>	
	Experimental and Numerical Analysis of Additively Manufactured Polymer Sandwich Structures <i>Marino Brčić, Davor Bolf, Martin Brcković, Dominik Roginek and Heshuai Yu</i>	
	Mapping the Onset of Forced Parametric Resonance in a Conical Wave-Energy Buoy: A Time-Domain Parametric Survey <i>Anton Turk, Marijana Marjanović, Jasna Prpić-Oršić and Marko Hadjina</i>	
	From Dual-fuel Retrofit to Methanol Newbuildings – A Fleet-Renewal Strategy for Small Passenger Ships <i>Marko Novaselić, Tomislav Bukša and Marko Valčić</i>	
	Development of OCX-Based XR Inspection Tool and On-Site Validation in a Shipyard Environment <i>Mladen Radonić and Jan Obić</i>	
	Technological Preparation for Ship Launching After Extended Construction Downtime <i>Jan Obić, Alen Grijak, Marko Hadjina and Anton Turk</i>	
14:40 – 15:40	Confluence Belgrade: 2017-2026 The Future of Confluence Belgrade <i>Luka Đoković</i> <i>Stefan Maletić and Janko Miličević</i>	
	Parallel Sessions	
14:40 – 15:40	Hall 211 (Second Floor)	Library Room (First Floor)
	TOPIC: DECARBONISATION & ENERGY EFFICIENCY & POLLUTION (II) Chair: Marko Valčić	TOPIC: CONSTRUCTION (I) Chairs: Marko Hadjina and Davor Bolf
14:40 – 15:00	Assessment of Propeller-Induced Bottom Wash and Sediment Resuspension of Large Container Ships in Shallow Port Areas <i>Jure Srše, Lucjan Gucma and Marko Perković</i>	Technological Preparation for Ship Launching After Extended Construction Downtime <i>Jan Obić, Alen Grijak, Marko Hadjina and Anton Turk</i>
15:00 – 15:20	A Data-Driven Framework for Biofouling Modelling: Toward a World Biofouling Database <i>Andrej Erceg and Neven Hadžić</i>	Offshore Wind Turbine Nacelle Transport Frame Construction Technology <i>Jan Obić and Alen Grijak</i>
15:20 – 15:40	Evaluation of Air Pollution Constituents, Mitigation Strategies, and their Effectiveness in Apapa and Tin Can Island Seaports, Lagos State, Nigeria <i>Okechukwu Julius Anyanwu, Vivian Ikeogu and Catherine Obasi</i>	Development of OCX-Based XR Inspection Tool and On-Site Validation in a Shipyard Environment <i>Mladen Radonić and Jan Obić</i>
15:40 – 15:50	Coffee Break Room 210 (Second floor)	

PROGRAMME

Friday, 9 October 2026 (Part IV)		
Venue: <i>Faculty of Mechanical Engineering</i> (address: <i>Kraljice Marije 16</i>)		
Time	Event	
15:50 – 16:50	Hall 211 (Second Floor)	Library Room (First Floor)
	TOPIC: EDUCATION & HERITAGE Chair: Vedran Slapničar	TOPIC: CONSTRUCTION (II) Chair: Boris Ljubenkov
15:50 – 16:10	From Software Proficiency to Adaptability: Emerging Competence Paradigms in Mechanical Engineering and Naval Architecture Education <i>Vedran Slapničar and Smiljko Rudan</i>	Analysis of the Application of Arc Stud Welding in a Ship Outfitting <i>Tino Šeparović, Boris Ljubenkov, Ratko Mimica and Ines Bezić</i>
16:10 – 16:30	Naval Architecture in Serbia: Seven Decades of Academic and Professional Collaboration <i>Dejan Radojčić</i>	Application of Artificial Intelligence in the Digitalisation of Shipbuilding Production Processes <i>Meri Skitarelić and Dora Vojnić</i>
16:30 – 16:50	The Bridge on the Barges (A Case of Unconventional Use of Finite Element Method in Ship Hydrostatic Calculation) <i>Milorad Motok</i>	Quality and Quantity Control System for Shipbuilding and Offshore Facilities <i>Marin Dobrović</i>
17:00 – 17:40	Meeting of the SORTA Standing Committee (Closed Session)	
17:45 – 18:15	Closing Ceremony	
20:00 – 23:30	Symposium Dinner Restaurant “IMA DANA” Address: Skadarska 38 (Skadarlija, Belgrade) Map link	

Saturday, 10 October 2026	
Time	Event
09:00 – 13:00	Visit to Shipyard Vahali (Sremska Mitrovica) <i>Bus departs at 09:00 from the main entrance of the Faculty of Mechanical Engineering building</i>
13:00 – 17:00	Excursion to Fruška Gora, Winery Visit & Lunch <i>Bus returns to Belgrade</i>