

Četvrtak 15. listopada 2020. / Thursday, October 15th, 2020		
SVEČANOST OTVORENJA: POZDRAVNI GOVORI / OPENING CEREMONIES: WELCOME SPEECH		
9:00-9:50	Full Professor Snježana Prijic-Samaržija, Ph.D - Madam Rector - University of Rijeka	
	Full Professor Duško Pavletić, Ph.D - Dean - University of Rijeka, Faculty of Engineering	
	Full Professor Dubravko Majetić, Ph.D - Dean - University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture	
	Full Professor Joško Parunov, Ph.D - Chairman of the SORTA Standing Committee	
	Assoc. Professor Marko Hadjina, Ph.D - Chairman of the SORTA2020 ORGANIZING COMMITTEE	
PAUZA / BREAK		
POZVANA PREDAVANJA / INVITED LECTURES		
Predsjedavajući /Chairman: Dunja Legović		
10:00-11:15	Prediction of Flow and Cavitation Around Propeller	Prof. Milovan Perić
	Polar Code - An Overview	Carlo Russo
	PC6 SFIC - Ice Class Hull Design Principles	Marko Pirija
PAUZA - PROMOTIVNE PORUKE SPONZORA / BREAK - SPONSORS PROMO VIDEOS		
Osnivanje Broda i Specijalnih Objekata / Design of Ships and Special Waterborn Vessels		
Predsjedavajući /Chairman: Anton Turk		
11:25-13:05	IHC BEAVER - Custom Built Cutter Suction Dredger	Robert Grubiša, Maja Radolović
	"Sklad" Trimaran Type Patrol Ship for Protection of Adriatic Sea	Dario Ban, Marko Liović
	An Overview of Measures for Improving the Energy Performance of Ships	Darin Majnarić, Lino Josip Novak, Roko Dejhalla
	Centre of Gravity Envelope Effect on Intact and Damage Stability for High Speed Craft	Marin Smilović, Anton Turk, Teuta Duletić, Aleksandar Vuković
	RRS "Sir David Attenborough", Technical Complexity and Engineering Challenges During Design and Building Process	Marin Reljić
PAUZA - PROMOTIVNE PORUKE SPONZORA / BREAK - SPONSORS PROMO VIDEOS		
Čvrstoća, Vibracije i Konstrukcija Broda / Structure Strength, Vibration and Ship Construction		
Predsjedavajući /Chairman: Anton Turk		
14:00-15:20	Structural Analysis of a Masts, Bowsprit and Standing Rigging of a Three-Mast Schooner	Marin Palaversa, Zdenko Šperanda
	An Artificial Neural Network Approach to Wind Loads Estimation	Jasna Prpić-Oršić, Marko Valčić, Zoran Čarija
	Tourist Catamaran Structural Analysis	Ratko Parunov, Joško Parunov
	Structural Aspects During Conversion from General Cargo Ships to Cement Carriers	Paul Jurišić, Joško Parunov
PAUZA - PROMOTIVNE PORUKE SPONZORA / BREAK - SPONSORS PROMO VIDEOS		
Brodaska Hidrodinamika, Pomorstvenost i Upravljaljivost / Ship Hydrodynamics, Seakeeping and Manoeuvrability		
Predsjedavajući /Chairman: Dunja Legović		
15:25-16:25	Existing 14000m ³ Trailing Suction Hopper Dredger (TSHD) Conversion/45m Lengthening to a 21000m ³ Twin Hopper-TSHD	Marko Pirija, Robert Grubiša
	Toward Operability Analysis of a Passenger Ship in the Adriatic Sea Based on the JONSWAP-Adriatic Wave Spectrum	Marko Katalinić, Joško Parunov, Antonio Mikulić
	Comparison of Wave Data from Different Sources in the North Adriatic Sea	Maro Ćorak, Marko Katalinić, Joško Parunov, Antonio Mikulić
PAUZA - PROMOTIVNE PORUKE SPONZORA / BREAK - SPONSORS PROMO VIDEOS		
16:35-17:35	The Impact of Antifouling Coatings on Ship Performance	Andrea Farkas, Nastia Degiuli, Ivana Martić, Ivan Gospić
	Means of Performance Improvements of Two-Stage Blade Propulsor	Anatolij-Branko R. Togunjac, Sergei L. Anchikov, Leonid I. Vishnevsky
	Comparative Evaluation of Reverse Characteristics of a Ship Equipped with Propeller of Variable Pitch	Leonid Vishnevskii, Anatolii Togunjac
PAUZA - PROMOTIVNE PORUKE SPONZORA / BREAK - SPONSORS PROMO VIDEOS		
Dostignuća u Brodograđevnoj Programskoj Podrški /Advances in Naval Architecture Software		
Predsjedavajući /Chairman: Marko Hadjina		
17:40-19:00	Preparation of Workshop Documentation of the Ship Structure and Propulsion Systems Using 3D Models	Ines Roguljić, Renata Javorčić
	OOFEM - Application of Open-Source Software in Ship Structural Analysis	Marin Palaversa, Pero Prebeg, Jerolim Andrić
	How the Digital Revolution Could Affect the Shipbuilding World	Rodrigo Perez Fernandez, Mirko Toman
	Methodology of Integrated Design of The Ship Structure And Production Using The 3D Experience Platform	Davor Bolj, Marko Hadjina, Albert Zamarin, Tin Matulja
END OF THE FIRST DAY		

Petak 16. listopada 2020. / Friday, October 16th, 2020		
Brodsko Strojstvo, Elektrotehnika, Automatizacija i Oprema Broda / Marine Engineering, Electrical Engineering, Automation and Ship Equipment		
Predsjedavajući /Chairman: Tin Matulja		
9:00-10:20	Elektro-Hidraulički Upravljivi Brodski Dizelski Motori na Dvojno Gorivo	<i>Ivan Gospić, Matko Donadić, Nastia Degiuli, Ivana Martić, Andrea Farkas</i>
	Nemetalni Cjevovodi i Armature na Brodovima	<i>Žarko Kobojević, Ante Sršen, Anamarija Falkoni</i>
	Exhaust Gas Cleaning Systems	<i>Marko Buršić, Kristijan Lenac</i>
	Design of Pontoons Fenders for Cruise Vessel Mooring in Port of Rijeka	<i>Deni Vlašić, Siniša Lentić, Lukša Radić</i>
PAUZA - PROMOTIVNE PORUKE SPONZORA / BREAK - SPONSORS PROMO VIDEOS		
10:35-11:35	Reducing Environmental Impact and Fuel Costs by Installing a Photovoltaic Power Plant on Bord	<i>Vladimir Pelić, Tomislav Mrakovčić, Marko Valčić, Ozren Bukovac</i>
	Bi – fuel System Implementation In Dredgers	<i>Fler Peša Smirčić</i>
	Hybrid and Electrical Ferry Charging Stations with Common DC Bus	<i>Aleksandar Cuculić, Ivan Panić, Jasmin Čelić, Antonio Škrobonja</i>
PAUZA - PROMOTIVNE PORUKE SPONZORA / BREAK - SPONSORS PROMO VIDEOS		
Pomorski Prijevoz i Ekonomija/ Organizacija i Ekonomija Brodograđevne Industrije / Marine Transport and Economics/ Organisation and Economics of Shipbuilding		
Predsjedavajući /Chairman: Tin Matulja		
11:50-12:30	The Sea Resources and the Sustainable Future	<i>Vedran Slapničar, Ivan Adum, Izvor Grubišić</i>
	Conceptual Design of the Shipyard for Composite Ships	<i>Josip Lasan, Boris Ljubenkov</i>
PAUZA - PROMOTIVNE PORUKE SPONZORA / BREAK - SPONSORS PROMO VIDEOS		
Tehnologija, Materijali Zaštita i Održavanje / Remont i Konverzije / Technology, Materials, Protection and Maintenance / Ship Repairs and Conversions		
Predsjedavajući /Chairman: Marko Hadžina		
12:35-13:55	An Efficient Method to Identify Bottlenecks of the Ship Production Process: Serial Lines	<i>Viktor Ložar, Neven Hadžić, Tihomir Opetuk, Filip Abdulaj</i>
	Advanced Methodologies for Cost-Effective, Energy Efficient and Environmentally Friendly Ship Production Process Design	<i>Neven Hadžić, Viktor Ložar, Tihomir Opetuk, Filip Abdulaj</i>
	Impact of Welding Parameters on Weld Quality for High-Strength Steel Used at Low Temperature (EH36)	<i>Miroslav Randić, Duško Pavletić, Igor Bevandić, Dragan Jerčić</i>
	Optimization of Secondary Steel Construction	<i>Darija Jurjević, Arsen Sušanj</i>
PAUZA - PROMOTIVNE PORUKE SPONZORA / BREAK - SPONSORS PROMO VIDEOS		
14:10-15:30	Comparison of Cable Holder Installation Methods in Pre-outfitting	<i>Ratko Mimica, Tomislav Vasilj, Mate Purkić</i>
	Initial Testing of Hilbig 905i Stud Welding Machine with Comparative Tests of Secondary Cable Holders and Isolation Pins	<i>Ratko Mimica, Damir Ivančić, Mario Livajić, Mladen Komšić, Maroje Elek, Ivan Vrdoljak</i>
	Existing Condition, Testing and Proces Analysis of ESAB Railtrac FW 1000 Welding Carriage	<i>Ratko Mimica, Mladen Komšić</i>
	Advantages and Challenges of Additive Manufacturing in Maritime Industry	<i>Dunja Legović, Dora Vajnić</i>
PAUZA - PROMOTIVNE PORUKE SPONZORA / BREAK - SPONSORS PROMO VIDEOS		
Mali Plovni Objekti i Plovila Namijenjena Plovidbi Zaštićenim Vodama /Small Craft And Inland Waterway Vessels		
Predsjedavajući /Chairman: Dunja Legović		
15:45-16:45	Design and Style of Small Crafts: Relationships Between Aesthetic Layout and Construction Typology	<i>Enrico Carassale</i>
	FESB Hydro team – Student project	<i>Matej Dević, Duje Fržop, Luka Galić, Filip Raič, Ante Buble, Karlo Vučić, Jure Bebić</i>
	Croatian Boatbuilding Association	
PAUZA - PROMOTIVNE PORUKE SPONZORA / BREAK - SPONSORS PROMO VIDEOS		
16:45-17:45	SASTANAK STALNOG ODBORA (samo za članove odbora) / STANDING COMMITTEE SESSION (only for committee memebrrs)	
18:00	ZAVRŠNA SVEČANOST (svi sudionici SORTA2020 simpozija mogu prisustvovati) / CLOSING CEREMONY (all SORTA2020 participants are welcome to join)	