



SVEUČILIŠTE U DUBROVNIKU  
UNIVERSITY OF DUBROVNIK



UNIVERSITY OF DUBROVNIK  
MARITIME DEPARTMENT

## International Conference of Maritime Science & Technology Naše More 2021

Dubrovnik, Ćira Carića 4, Croatia, 17-18 September 2021

Agenda:

### Day 1 (Friday 17 September)

9,00 – 9,30 Registration

9,30-10,00 Opening ceremony - room A

10,00-10,30 Coffee break and photo session

10,30-12,00 SESSION 1 – rooms A, B, C, D.

12,00-13,30 Lunch – Restaurant Orsan ( at 50 meters walking distance 50 from the University building)

13,30-14,30 SESSION 2 – rooms A, B, C, D.

14,30 Closing ceremony – free time until dinner (19.45 gathering in front of the student dormitory)

Gala dinner – Restaurant “ Kameni Mlin” – in the countryside (Bus transfer from student dormitory at 19.50)

### Day 2 (Saturday 18 September)

10,00-18,00 “3 island cruise” – a boat trip to Elaphiti islands with lunch on board (departure from Gruž)

Changes to the agenda and additional information will be available at the registration desk

	<b>Room A</b> Marine Finance, Logistic, Transportation, Maritime Law, Maritime Education	<b>Room B</b> Navigation, Safety, Stability, Maritime Science,Navy & Defence	<b>Room C</b> Marine & Electrical engineering, Naval Construction, Automatization, Information systems	<b>Room D</b> Marine Ecology, Management, Marine Systems
Day 1 Session 1 10,30-12,00	<p>Chairperson: <b>Romana Capor Hrošik, PhD</b> <b>Žarko Koboević, PhD</b></p> <p><b>1 (1)</b> Jelena Čulin, Toni Bielić A PROPOSAL FOR A DESIGN OF NON-TECHNICAL SKILLS TRAINING FOR PARTICIPANTS OF THE SPECIAL EDUCATION PROGRAM FOR SEAFARERS</p> <p><b>2(5)</b> Tomasz Praczyk, Leszek Pietrukaniec THE CONTROL SYSTEM FOR A SWARM OF AUTONOMOUS UNDERWATER VEHICLES – PRELIMINARY RESULTS</p> <p><b>3 (10)</b> Srećko Krile, Nikolai Maiorov RESEARCH OF THE MARINE PASSENGER PORT BASED ON A STOCHASTIC MATHEMATICAL MODEL OF THE ARRIVAL OF CRUISE SHIPS</p> <p><b>4(12)</b> Milena Dževerdanović-Pejović WOMEN SEAFARERS: A DISCOURSE ANALYSIS PERSPECTIVE</p> <p><b>5(15)</b> Paulić Mateja, Kolanović Ines, Borucinsky Mirjana LOGISTICS PROCESSES AND PORT OPERATIONS IN RO-RO TERMINALS</p>	<p>Chairperson: <b>Srđan Vujičić, PhD</b></p> <p><b>1 (2)</b> Luka Vukić, Zvonimir Lušić, Ivan Peronja, Danijel Pušić OVERVIEW OF THE FACTORS AFFECTING COMPLIANCE AND SAFETY OF PILOT TRANSFER ARRANGEMENTS (PTA)</p> <p><b>2(4)</b> Tatjana Stanivuk, Stipe Galić, Ladislav Stazić THE NAVIGATION AND THE MATHEMATICS</p> <p><b>3(9)</b> Nermin Hasanspahić, Srđan Vujičić, Vlado Frančić, Maro Car ANALYSIS OF NEAR-MISS EVENTS ONBOARD SHIPS</p> <p><b>4(26)</b> Jacek Zalewski, Leszek Pietrukaniec VIDEO BASED NAVIGATION FOR AUV</p> <p><b>5(29)</b> Irina Makarova, Ksenia Shubenkova, Polina Buyvol, Anton Pashkevich THE ROLE OF MULTIMODAL TRANSPORTATION IN ARCTIC SUSTAINABLE DEVELOPMENT: PROSPECTS AND RISKS</p> <p><b>6(31)</b> Vladimir Brozović, Danko</p>	<p>Chairperson: <b>Anamarija Falkoni, PhD</b> <b>Mate Jurjević, PhD</b></p> <p><b>1(24)</b> Miroslaw Karczewski, Grzegorz Szamrej, Janusz Chojnowski SOLUTIONS OF CNG AND LNG SUPPLY SYSTEMS IN MODERN LAND AND MARINE CI ENGINES WORKING IN DUAL-FUEL (NG – DIESEL) MODE</p> <p><b>2(25)</b> Janusz Chojnowski, Miroslaw Karczewski, Grzegorz Szamrej THE PHENOMENON OF KNOCKING COMBUSTION AND THE IMPACT ON THE FUEL EXCHANGE AND THE OUTPUT PARAMETERS OF THE DIESEL ENGINE OPERATING IN THE DUAL-FUEL MODE (DIESEL-CNG)</p> <p><b>3(7)</b> Andrzej Grzadziela, Radosław Kiciński, Bogdan Szturomski, Paweł Piskur SIMULATION ANALYSIS OF THE STABILIZATION OF THE HOOKS' BLOCK WITH THE USAGE OF A WIND DEFLECTOR</p> <p><b>4(16)</b> Marko Zubčić, Nediljko Kaštelan, Maja Krčum, Tomislav Peša MOTOR DRIVE EXPERIMENTAL SETUP PARAMETERS DETERMINATION</p> <p><b>5(18)</b> Sergey German-Galkin,</p>	<p>Chairperson: <b>Špiro Ivošević, PhD,</b></p> <p><b>1(3)</b> Ladislav Stazić, Vlatko Knežević, Nikola Račić, Josip Orović FAULT TREE ANALYSIS AS A REPLACEMENT FOR MANUFACTURERS MAINTENANCE INSTRUCTIONS</p> <p><b>2(6)</b> Siniša Martinić-Cezar, Karlo Bratić, Merica Slišković, Nikola Račić EXHAUST EMISSIONS FROM MARINE 4-STROKE ENGINE ON THE THREE FUEL TYPES</p> <p><b>3(8)</b> Marko Đorđević, Žarko Koboević OIL POLLUTION OF THE MEDITERRANEAN AS A RESULT OF MARITIME ACCIDENTS</p> <p><b>4(13)</b> Ivica Krmek, Tonči Biočić, Srđan Vujičić, Nermin Hasanspahić SWOT ANALYSIS OF SHIP ENERGY EFFICIENCY MANAGEMENT PLAN (SEEMP)</p> <p><b>5(14)</b> Rusca Aura, Rosca Eugen, Rusca Florin, Rosca Mircea, Perez-Acebo Heriberto, Olteanu Sergiu PORT SHUNTING YARD</p>

	<p><b>6(20)</b></p> <p>Alen Jugović, Petra Adelajda Zaninović, Dea Aksentijević</p> <p>THE INFLUENCE OF IMPORTANT MACROECONOMIC FACTORS ON TARIFF TRENDS AND THE SHIPOWNERS BUSINESS IN COASTAL LINER PASSENGER TRANSPORT IN THE REPUBLIC OF CROATIA</p>	<p>Kezić, Rino Bošnjak</p> <p>MACHINE USE OF S-101 CHARTS STORED IN THE DATABASE</p>	<p>Dariusz Tarnapowicz</p> <p>ENERGY OPTIMIZATION OF SERIES HYBRID SYSTEMS FOR ELECTRIC TRANSPORT</p> <p><b>6(19)</b></p> <p>Mate Jurjević, Nives Vidak, Damir Mičić</p> <p>MAIN BEARING MAINTENANCE AND CRANKSHAFT DEFLECTION MEASUREMENTS BY APPLICATION OF AMOT AND DI - 5C SYSTEMS</p>	<p>SIMULATION MODEL</p> <p><b>6(27)</b></p> <p>Davor Lučić, Ivana Violić, Natalia Bojanić, Branka Pestorić, Barbara Gangai Zovko, Ivona Onofri, Marijana Hure</p> <p>LONG-TERM MONITORING OF CARNIVOROUS GELATINOUS MACROZOOPLANKTON IN THE AREA OF DUBROVNIK-NERETVA COUNTY (CROATIA)</p>
<p>Day 1 Session 2 13,30-14,30</p>	<p><b>Chairperson: Ivona Zakarija, PhD</b></p> <p><b>1(22)</b></p> <p>Adrijana Agatić, Tanja Poletan Jugović, Edvard Tijan, Ines Kolanović</p> <p>EUROPEAN UNION POLICIES AND FUNDING FOR SMART PORT MODEL IMPLEMENTATION</p> <p><b>2(33)</b></p> <p>Alen Jugović, Valentina Šutalo, Dea Aksentijević</p> <p>COMPARATIVE ANALYSIS OF TARIFF MODELS IN RO-RO TRANSPORT IN CROATIA, ITALY AND GREECE</p> <p><b>3(38)</b></p> <p>Verena Dose, Aileen Wallenhorst. Mark Černela, Dražen Žgaljić</p> <p>METHODS OF INVENTORY MANAGEMENT IN SUPPLY CHAINS</p> <p><b>4(39)</b></p> <p>Dragana Milošević, Senka Šekularac Ivošević, Ivona Milić Beran</p> <p>MONTENEGRIN MARINAS BEFORE AND DURING THE COVID-19 PANDEMIC: COST LEADERSHIP STRATEGIC PERSPECTIVE</p>	<p><b>Chairperson: Nermin Hasanspahić, PhD</b></p> <p><b>1(17)</b></p> <p>Merica Slišković, Ana Perić Hadžić, Anita Gudelj, Helena Ukić Boljat</p> <p>CHALLENGES OF MARITIME HIGHER EDUCATION-MEETING THE QUALITY REQUIREMENTS</p> <p><b>2(34)</b></p> <p>Stanisław Hożyń</p> <p>VISION SYSTEM FOR UNMANNED AERIAL VEHICLES DETECTION IN HARBOUR PROTECTION</p> <p><b>3(35)</b></p> <p>Igor Vio</p> <p>DEVELOPMENT OF CROATIAN LEGAL FRAMEWORK FOR LIABILITY FOR DEATH AND PERSONAL INJURY OF SEAFARERS</p>	<p><b>Chairperson: Dinka Lale, PhD</b></p> <p><b>1(21)</b></p> <p>Piotr Szymak, Paweł Piskur, Piotr Piątek, Jan Muchowski, Szymon Trawiński</p> <p>MODELING AND SIMULATION OF INNOVATIVE AUTONOMOUS UNDERWATER VEHICLE PAST</p> <p><b>2(23)</b></p> <p>Toni Besjedica, Krešimir Fertalj, Ivona Zakarija</p> <p>SOFTWARE MANAGED HYBRID WIRELESS NETWORKS IN MARITIME ENVIRONMENT</p> <p><b>3(28)</b></p> <p>Filip Polak</p> <p>BOOST PRESSURE MODIFICATION IN DUAL-FUEL CI CONVERTED ENGINE (CNG-DIESEL) AS A METHOD OF KNOCK REDUCTION</p> <p><b>4(11)</b></p> <p>Viet-Anh Pham, Phung-Hung Nguyen, Van-Ty Le</p> <p>TRACK AND DEPTH CONTROL OF AUTONOMOUS UNDERWATER VEHICLE USING ADAPTIVE NEURAL NETWORKS</p>	<p><b>Chairperson: Ivica Đurđević Tomaš, PhD</b></p> <p><b>1(32)</b></p> <p>Špiro Ivošević, Nataša Kovač, Gyöngyi Vastag</p> <p>THE DETERMINATION OF CORROSION RATE THROUGH OXYGEN CONTENT IN A Cu-Al-Ni ALLOY UNDER THE INFLUENCE OF SEAWATER</p> <p><b>2(36)</b></p> <p>Maja Čović, Toni Meštrović, Josipa Bojčić, Gorana Jelić Mrčelić</p> <p>PORT OF SPLIT: IMPACT OF COVID-19 ON CARGO TRAFFIC</p> <p><b>3(37)</b></p> <p>Dorothea Žic</p> <p>A HUMAN IN FOCUS OF WASTE POLLUTION</p>