

Day 1, Thursday, 11 April 2019

Hotel Splendid, Bečići, Budva Montenegro

8:15—8:45 REGISTRATION

9:00—10:00 Introductory speeches & presentations

10:00—10:30 *Welcome cocktail*

10:30—12:00 Session I

CONFERENCE HALL 1

Marine Engineering, Education in Transport, Ecology & Sea

Chairpersons:

Prof. dr. sc Nenad Vulić & Prof. dr Andrzej Grządziela

- 1. Andrzej Grządziela & Marcin Kluczyk**
Preliminary Calculation of Poundation for The Minehunter's Genset
- 2. Jeannette Edler & Virginia Infante**
Maritime and Other Transport Key Issues for The Future – Education and Training in The Context of Lifelong Learning
- 3. Tomasz Lus**
Waiting for Breakthrough in Conventional Submarine's Prime Movers
- 4. Nenad Leder, Gordana Beg Paklar, Branka Grbec & Frano Matić**
Characteristics of The Eastern Adriatic Current in The Coastal Area Between Dubrovnik And Bar
- 5. Nenad Vulić, Igor Pavlović & Marko Vulić**
Implementing Educational Software Mdsolids In the Calculations of Marine Shafting Alignment
- 6. Ivica Ančić, Maja Perčić, Lidija Runko Luttenberger & Nikola Vladimir**
Potential to Reduce Environmental Pollution from Ships Through the Modular Concept Approach

CONFERENCE HALL 2

Transportation & Modes of Transport

Chairpersons:

Prof. dr. Elen Twrdy & Doc. dr Marina Zanne

- 1. Marina Zanne & Bojan Beškovnik**
Eu Actions in Intermodal Transport Development: Guidelines for Eastern Adriatic
- 2. Luka Vukić, Eli Marušić, Antonija Mišura & Sara Paladin**
Review of Nautical Tourism Port Business in Croatia
- 3. Maja Stojaković & Elen Twrdy**
Problems of Small Container Ports – Case Study of The Slovenian And Montenegro Ports
- 4. Erald Aliko**
A Comparison of Port Governance Models Across EU Countries & Albania
- 5. Vivien Lorenčić, Elen Twrdy & Milan Batista**
Analysis of Passenger Terminal Infrastructure as An Important Factor Affecting on Choice of Destination for Cruise Ships
- 6. Violeta Roso, Dawn Russel & Dawna Rhoades**
Dry Port Concept Diffusion on The US East Coast

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12:10—12:15 *Coffee break*

12:15—13:45 **Session II**

CONFERENCE HALL 1

*Marine Engineering,
Safety & Security, Navigation*

Chairpersons:

*Prof. As. Kristofor Lapa &
Doc. dr Nikola Momčilović*

- 1. Milan Kalajdžić & Nikola Momčilović**
On Preliminary Design of Multi-Purpose Cargo Vessels
- 2. Kristofor Lapa**
Behaviour of A Barge Under Wind Conditions
- 3. Karlo Bratić, Ladislav Stazić, Antonija Mišura & Zdeslav Jurić**
Spare Parts Optimization Using A Planned Maintenance System
- 4. Vlatko Knežević, Ladislav Stazić, Josip Orović & Luka Mihanović**
Use of PMS Continuous Improvement Scheme for Maintenance Adjustments in Shipping Industry
- 5. Robert Lynch & Cormac Gebruers**
Applying Expert Ice Breaker Knowledge to Arctic Navigation: A Review of Ice Breaker Navigation Methods
- 6. Waldemar Mironiuk**
Stands for Model Testing of Ship Stability and Buoyancy in The Aspect Of Improving The Safety Of Sea Transport
- 7. Ivana Martić, Nastia Degiuli & Andrea Farkas**
Impact of Slow Steaming on The Fuel Consumption of a Container Ship

13:45—14:30 *Coffee break*

14:30—15:30

15:30 *Departure to Luštica Bay*

19:00—19:30 *Boat tour – embarkation to Le Couche d’Eau (in front of Old city Kotor)*

23:00 *Disembarkation in Kotor and departure to Budva*

CONFERENCE HALL 2

*Education in Transport &
Maritime Law*

Chairpersons:

*Doc. dr Milena Dž. Pejović &
Prof. dr. sc Axel Luttenberger*

- 1. Micol Biscotto, George Kotsikos, Ema Muk-Pavic, Ioannis Ergas & George Smyrnakis**
Tra Visions Success Stories on How to Inspire Young and Senior Transport Researchers to Excel Further
- 2. Dragutin Andrić, Nur Assani, Božen Cvitković & Roko Glavinović**
Challenges of Marine Education with Implementation of Modern Tech.
- 3. Ana Perić-Hadžić, Edvard Tijan & Neven Grubišić**
Development of Qualification Standard and Study Program of Logistics and Management in Maritime Transport
- 4. Axel Luttenberger**
Legal Framework for Marine Environmental Governance
- 5. Peter Ivar Sandell**
Unmanned and Remotely Operated Vessels - How Should the Rules On General Average and Salvage Be Updated?
- 6. Bojana Lakićević Đuranović**
The Treatment and Role of Islands in Maritime Boundary Delimitation
- 7. Maja Škurić**
Berth Allocation Problem: A Literature Review

POSTER SESSION

Authors are kindly asked to be present for possible questions

Day 2, Friday, 12 April 2019

Hotel Splendid, Bečići, Budva Montenegro

9:00—11:00

Session I

CONFERENCE HALL 1

*Navigation, Safety & Security,
Marine Engineering, Applied Mathematics in Maritime Sciences*

Chairpersons:

*Prof. dr. Pero Vidan &
Dr. sc. Zvonimir Lušić*

1. **Vladan Radulović, Tatijana Dlačić & Martin Čalasan**
Analysis of Surge Protection Performances at Ships
2. **Oleksandr Kryvyi & Myhalyo Miyusov**
The Creation of Polynomial Models of Hydrodynamic Forces on The Hull of The Ship with The Help of Multi-Factor Regression Analysis
3. **Jure Srše & Andrej Androjna**
Digital Nautical Publication Data Base in Support Of Voyage Planning
4. **Zvonimir Lušić, Marin Marčić, Mario Bakota & Danijel Pušić**
Detecting A Man in The Sea
5. **Miroslav Vukičević, Špiro Ivošević, Rebeka Rudolf & Peter Majerič**
An Analysis of The Influence of Abrasive Particles in Fuel on The Degree of Damage To Piston Rings
6. **Nikola Momčilović & Milorad Motok**
Some Dynamic Load Aspects in Ship Navigation
7. **Rumen Stoyanov & Blagovest Belev**
Using Theory of Games When Choosing the Optimal Strategy for Improving the Energy Efficiency Ships

CONFERENCE HALL 2

*Marine Ecology, Ecology & Sea,
Maritime Health, Transportation & Modes of Transport, Navigation*

Chairpersons:

*Doc. dr. sc. Žarko Koboević &
Dr. sc. Gorana Jelić Mrčelić*

1. **Maja Čović, Igor Jelaska, Merica Slišković & Gorana Jelić Mrčelić**
Analysis of Ballast Water Quantity From 2014 To 2017 In Croatian Port Authorities
2. **Boris Rajnić & Tina Sule**
The Utilization of Renewable Energy Sources on Vessels
3. **Žarko Koboević, Marjan Jovančević, Mate Jurjević & Maro Car**
Integrated Systems for Processing All Types of Waste on Ships
4. **Rosanda Mulić, Iris Jerončić & Luka Vukić**
What Does A Doctor of Medicine Do at The Faculty of Maritime Studies?
5. **Luka Vukić, Lidija Runko Luttenberger, Katarina Balić & Merica Slišković**
External Costs Comparison of Two Traffic Modes on The Island of Vis
6. **Shkëlqim Sinanaj**
The Impact of Shipping Accidents on Marine Environment In Albanian Seas
7. **Damir Mihanović, Ratko Božić & Luka Burica**
Contributing to The Development Of Organizational Structures in Shipbuilding Enterprises Through the Application of The System Dynamics Modeling

Day 2, Friday, 12 April 2019

Hotel Splendid, Bečići, Budva Montenegro

11:00—11:15 Coffee Break

11:15—13:00 Session II

CONFERENCE HALL 1

Management of Marine Systems, Ecology & Sea, Human Resources in Transport, Transportation & Modes of Transport

Chairpersons:

Doc. dr. sc. Lidija Runko Luttenberger & Doc. dr Senka Šekularac-Ivošević

- 1. Ioannis Fasoulis, Rafet Emek Kurt & Evangelos I. Poutos**
A Quantitative Study into Perceptions and Attitudes of Corporate Social Responsibility and Sustainability Developments in International Shipping
- 2. Dragana Milošević & Senka Šekularac-Ivošević**
The Framework for The Benchmarking Analysis of Marina Business: The Example of Montenegro
- 3. Maja Krčum, Ivan Derado, Jelena Žanić-Mikuličić & Marina Brodarić**
How to Manage Risk - Iso Standard 9001: 2015?
- 4. Jelena Čulin & Toni Bielić**
Pollution of The Adriatic Sea by Chemicals Discharged from Vessels
- 5. Lidija Runko Luttenberger, Jadranka Matić & Draga Mihelić**
Environmental and Social Impact Assessment in Coastal Zone
- 6. Ninna Roos**
Autonomous Vessels - A Ship Master's Status Now and In the Future
- 7. Sanja Bauk, Bojan Bešković & Senka Šekularac-Ivošević**
Intermodal Network Development in Eastern Adriatic Region

13:00—14:00

14:00 CLOSING OF THE CONFERENCE

CONFERENCE HALL 2

Marine Engineering, Marine Automation & Electronics, Marine Information Systems

Chairpersons:

Doc. dr. sc. Hrvoje Dodig & Mr. sc. Ivica Kuzmanić

- 1. Ante Barbir, Đorđe Dobrota, Jani Barle & Dušan Vukojević**
Optimal Strategy for Maintenance of Reliquefaction System on LNG Carrier
- 2. Leonid Kovalchuk, Marina Isaeva & Pavel Burakovskiy**
Principles of The Invariant Standards Formation for The Work Processes Functional Diagnosis in The Cylinders of The Main Ship Diesel Engines
- 3. Hrvoje Dodig, Tina Perić, Nikola Račić & Ljubomir Ostović**
Numerical Prediction of Radar Cross Section for Small Maritime Targets
- 4. Marko Rosić, Dean Sumić & Lada Maleš**
Firefighting On-Board Ship Modelling Based on Agents
- 5. Antonija Mišura, Ladislav Stazić, Tatjana Stanivuk & Ivan Komar**
Verification of The Evaluation Methodology for Ship's Planned Maintenance System Database
- 6. Adrijana Agatić, Tanja Poletan Jugović & Edvard Tijan**
Streamlining Logistics Services Via Collaboration Platforms
- 7. Igor Vujović & Ivica Kuzmanić**
Some Problems in Establishing Maritime Zone Surveillance Dataset

POSTER SESSION

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14:30—15:30

Poster Session I

CONFERENCE HALL 2

1. **Igor Vujović, Ivan Radman, Miro Petković & Ivica Kuzmanić**
Automated Ships Security Problems
2. **Andrea Russo, Rino Bošnjak, Goran Belamarić & Danko Kezić**
New Risks in Cruise Industry with Impact on Safety of Navigation
3. **Gheorghe Madescu, Marian Greconici, Martian Mot, Marius Biriescu & Vladimir Mladenović**
Analysis of Stator and Rotor Windings of Induction Motors
4. **Tomasz Praczyk, Stanisław Hożyń, Tadeusz Bodnar, Leszek Pietrukaniec, Marek Błaszczuk & Michał Zabłotny**
Concept and First Results of Optical Navigational System
5. **Mia Jurjević, Čedomir Dundović & Svjetlana Hess**
Assessment of The Port Costs on Zagreb Pier in The Port of Rijeka
6. **Zorica Đurović**
Maritime and Other Discourse Communities -The Example of Charter Parties
7. **Piotr Szymak, Paweł Piskur**
Using Particle Swarm Optimization for Tuning Course Controller of Biomimetic Underwater Vehicle
8. **Tatjana Stanivuk, Zaloa Sanchez Varela, Marina Laušić & Kristijan Markić**
Role of Mathematics in Education of Nautical Engineer
9. **Joško Šoda, Mario Majić, Igor Vujović & Branko Sorić**
An Overview on A Future Trends and Smart Technologies in Maritime
10. **Pero Vidan, Mihaela Bukljaš Skočibušić, Ivan Pavić & Srđan Vukša**
Autonomous Systems & Ships - Training and Education on Maritime Faculties
11. **Miroslav Vukičević, Sead Cvrk, Draško Kovač & Branko Lalić**
Measurement of Torsional Vibrations on Propeller Shafts Using Code Discs and Optical Forks
12. **Miloš Bogdanović & Špiro Ivošević**
The Risk Assessment of The Dynamic Positioning System Based on Historical Data
13. **Miloš Bogdanović**
Reduction of Particulate Matter Emission from Marine Diesel Engines
14. **Željko Pečić & Nađa Pečić**
Determinants of Kinetoses And Techniques of Prevention
15. **Maja Škurić & Nikolina Radulović**
EURAXESS Top IV Project

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13:00—14:00

Poster Session II

CONFERENCE HALL 2

1. **Andrzej Zak**
Control of Unmanned Underwater Vehicle as A Member of Vehicles' Team Performing A Given Task
2. **Tomasz Praczyk, Piotr Szymak & Stanisław Hożyń**
Applying Optical System to Model the Motion of Human Leg Moving In Water According to Swimming Style Crawl
3. **Tina Perić & Nikola Račić**
Cruise Ship Traffic in The Adriatic Sea: Environmental Impact
4. **Bogdan Zak, Jozef Malecki & Stanislaw Hozyn**
Stabilization of Electrical Parameters of The Ship's Electric Power Supply Using Fuzzy Controller
5. **Veljko Plazibat, Marina Brodarić & Maja Krčum**
Impact of The Offshore Market Crisis on The Performance of Croatian Maritime Shipping Companies
6. **Jelena Nikčević**
Creation of Montenegrin Maritime Safety System Through the Prism Of Legal Solutions
7. **Pero Vidan, Srđan Vukša, Luka Bekavac & Vice Mihanović**
Safety Aspect of Navigation Bridge Lighting During Night Watch
8. **Nikola Mandić, Marija Pijaca & Marijan Zujić**
Inspection in Coastal Liner Shipping
9. **Jakša Vujović, Špiro Ivošević & Lazo Vujović**
The Preliminary Risk Analysis of The Subsystems of The Auxiliary Engine
10. **Ranka Petrinović & Vesna Skorupan Wolff**
Yacht Charter Party Agreement According to Croatian Law
11. **Krzysztof Naus & Mariusz Wąż**
Application of AIS Data for Qualitative and Quantitative Analysis of Ship Traffic Flows
12. **Kristina Radnjić**
The Importance of Highlighting Factors That Affect the Psychosomatic Health of Seafarers
13. **Sanela Kovačević Pejaković**
General English Creativity vs. Maritime English Restrictedness
14. **Milena Dževerdanović-Peجویć**
Examples of Miscommunication in Maritime English