

ICTS 2026

8 th of June 2026			
9 ⁰⁰ - 10 ⁰⁰ Registration			
10 ⁰⁰ - 10 ²⁰ Conference opening			
10 ²⁰ - 12 ⁰⁰ Plenary session			
12 ⁰⁰ - 13 ³⁰ Lunch break			
13 ³⁰ - 16 ⁰⁰ Sessions			
1.1	1.2	1.3	1.4
16 ⁰⁰ - 16 ³⁰ Coffee break			
16 ³⁰ - 19 ⁰⁰ Sessions			
2.1	2.2	2.3	2.4
~ 19 ³⁰ Conference dinner at "Veduta" restaurant (Bernardin)			
9 th of June 2024			
9 ⁰⁰ - 9 ³⁰ Registration			
9 ³⁰ - 12 ⁰⁰ Sessions			
3.1	3.2	3.3	3.4
12 ⁰⁰ - 13 ³⁰ Lunch break			
13 ³⁰ - 18 ⁰⁰ Sessions			
4.1	4.2	4.3	4.4
5.1	5.2	5.3	5.4
18 ⁰⁰ - 18 ¹⁵ Goodbye coffee			
Conference closure 18 ¹⁵ -18 ²⁵			

Legend

Mediterranea I	Mediterranea II	Adria I	Adria II
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SPONSORS



FPP

UNIVERSITY OF LJUBLJANA
Faculty of Maritime Studies and Transport





8th of June 2026



10⁰⁰ - 10²⁰

CONFERENCE OPENING, Emerald I

Marina Zanne, chair of the organizing committee of ICTS

Peter Vidmar, dean of the Faculty of Maritime Studies and Transport, University of Ljubljana

10²⁰ - 12⁰⁰

PLENARY SESSION - THE GREENING OF TRANSPORT, Emerald I

Peter Vidmar: MARITIME AUTONOMOUS SURFACE SHIP (MASS) OPERATIONS WITHIN THE CONTEMPORARY NAVIGATION FRAMEWORK

Peter Verlič

Tiziana Campisi: BEYOND ONE-SIZE-FITS-ALL: STRATEGIC PATHWAYS TO INCLUSIVE TRANSPORT FOR ALL

Domokos Esztergár-Kiss: MOBILITY AS A SERVICE – EXPERIENCE THROUGH PROJECTS AND PILOTS

13³⁰ - 16⁰⁰

1.1 DECARBONISATION OF MARITIME TRANSPORT I (7): Moderator: Peter Vidmar

(86) Pero Vidan, Nikola Vladimir, Danilo Nikolić, Nikolaos P. Ventikos, Srđan Vukša, Aleksandra Banić and Merica Slišković
ASSESSMENT OF SELECTING GREEN FUELS IN CROATIAN SEAPORTS

(15) Riina Otsason, Touko Herranen and Ulla Tapaninen

DECARBONIZING MARITIME PILOTAGE: LOW-EMISSION TECHNOLOGIES FOR PILOT BOATS IN THE BALTIC SEA

(19) Deniece Aiken and Ulla Pirita Tapaninen

MARITIME GOVERNANCE IN TRANSITION: RE-EXAMINING THE IMO'S ROLE THROUGH THE LENS OF MARITIME DECARBONIZATION

(119) Gea Miščević, Biserka Rukavina and Edvard Tijan

HYDROGEN AS A MARITIME TRANSPORT FUEL: AN ANALYSIS OF THE INTERNATIONAL AND EU LEGAL FRAMEWORK

(150) Marin Hero, Józef Jordan and Peter Vidmar

RENEWABLE ENERGY REQUIREMENTS FOR GREEN FUEL BUNKERING

(48) Veranika Khlud

COMPARATIVE ASSESSMENT OF DIGITAL SYSTEMS FOR CO₂ MONITORING IN MARITIME LOGISTICS

(126) Elvis Čapalija, Marko Perkovič, Rafał Parczewski and Peter Vidmar

SENSITIVITY OF SOCIETAL RISK TO SHIP SIZE AND ACCIDENT TYPE IN LNG-FUELLED CRUISE SHIPS

1.2 ROAD TRAFFIC SAFETY AND VULNERABLE ROAD USERS (8): Moderator: Peter Ficzer

(18) Boris Antić, David Rilak, Dalibor Pešić and Emir Smailović

INFLUENCE OF THE ROAD SURFACE CONDITIONS ON THE CHANGE IN THE COLLECTIVE RISK OF SECTIONS OF THE ROAD NETWORK OF THE REPUBLIC OF SERBIA

(133) Ivona Bajor, Luka Novačko and Adam Torok

DEVELOPMENT OF ROAD SAFETY IN EUROPE (2000–2020): DESCRIPTIVE TRENDS AND STATISTICAL ASSOCIATIONS WITH ECONOMIC ACTIVITY

(110) Alex Coiret

WETTING STATES OF ROADS: MEASUREMENT MEANS AND INFLUENCE ON TIRE TO ROAD GRIP

(122) Tevoh Lordswill Ndingwan, Isaac Ndumbe Jackai II, Brayan Gonzalez Hernandez, Davide Shingo Usami and Luca Persia

PROPOSED SEGMENTATION FOR IMPLEMENTING THE REACTIVE NETWORK WIDE ROAD SAFETY METHODOLOGY ON REGIONAL ROADS IN ITALY

(44) Nicole Bonnici, Adrian Muscat and Kenneth Scerri

DETECTING ANOMALIES FROM ROADSIDE VIDEO STREAMS

(16) Filip Živković, Boris Antić, Danislav Drašković, Tomislav Petrović and Radovan Višković

ASSESSING THE EQUALITY OF CHILD URBAN ROAD SAFETY IN SCHOOL ZONES: A CASE STUDY FROM SERBIA

(142) Jovana Zlajic, Boris Antic, Dalibor Pesic, Emir Smailovic and Nenad Marković

TYPICAL PROFILES OF PARTICIPANTS IN PEDESTRIAN-INVOLVED TRAFFIC ACCIDENTS IN SERBIA: A SYNTHESIS OF EXPERT FINDINGS AND OPINIONS

(167) Ivo Kenda

THE INFLUENCE OF WINDS ON THE CRITICAL AIR VELOCITY IN A FIRE IN ROAD TUNNELS



1.3 TRANSPORT POLICY (7): Moderator: David Nagy

(37) Dávid Nagy and Gábor Lados

TRANSPORT POLICY CHALLENGES IN THE WESTERN BALKANS, WITH A FOCUS ON SUSTAINABLE TRANSPORT

(55) Israel Dunmade

PERSPECTIVES ON MODAL TRANSPORT CHANGE TO MORE SUSTAINABLE METHODS

(29) Olutola Akinsolu and Evelin Krmac

ASSESSING THE ENVIRONMENTAL FRIENDLINESS OF FREIGHT TRANSPORT MODES IN THE EUROPEAN UNION: AN ECONOMETRIC AND DECOMPOSITION ANALYSIS

(114) Dita Zemīte, Nadezda Spiridovska and Evelīna Budiloviča

SUSTAINABLE TRANSPORT LITERACY IN LATVIA: A NATIONAL ASSESSMENT VIA PILOT FEASIBILITY STUDY

(62) Nataša Tomić-Petrović

CLIMATE CHANGE AND SUSTAINABLE FUTURE OF TRANSPORT IN THE WORLD CONTEXT AND EXPERIENCE OF SERBIA

(12) Marina Zanne, Patricija Bajec, Elen Twrdy, Sergej Težak and Tomaž Tollazzi

APPRAISAL METHODS FOR TRANSPORT INFRASTRUCTURE PROJECTS: A REVIEW OF APPROACHES AND APPLICABILITY CONDITIONS

(141) Nina Ponikvar, Mojca Marc and Sara Ražman

MONETIZATION AND THE TREATMENT OF EXTERNAL AND WIDER ECONOMIC EFFECTS IN THE COST-BENEFIT ANALYSIS OF ROAD INFRASTRUCTURE PROJECTS

1.4 MOBILITY I (7): Moderator: Tiziana Campisi

(60) Tiziana Campisi, Chiara Spadaro, Antonio Russo and Nurten Akgün

AI-ENHANCED OPTIMIZATION OF PUBLIC TRANSPORT SERVICE SCHEDULING AND STOP LOCATIONS: A LITERATURE REVIEW

(78) Irene Sudy, Elmar Fürst and Alexandra Onea

ACCESSIBLE BARRIER-FREE INCLUSIVE CROSS-BORDER PUBLIC TRANSPORT SUMMER SCHOOL

(81) Tiziana Campisi, Chiara Spadaro, Aicha Tijany, Giovanni Tesoriere, Antonio Russo and Maksymilian Mądział

A COMPOSITE INTEGRATION SCORE APPROACH FOR EVALUATING DEMAND RESPONSIVE TRANSPORT IN ENNA: SENSITIVITY ANALYSIS AND AHP PERSPECTIVES

(144) János Zsolt Temesváry and Bálint Csonka

LINEAR PROGRAMMING MODEL FOR DEMAND RESPONSIVE BUS SERVICE ROUTE OPTIMIZATION

(147) Péter Faragó and Bálint Csonka

NIGHT-TIME SHARED USE OF TRAMWAY INFRASTRUCTURE BY AUTONOMOUS BATTERY-POWERED PASSENGER PODS: A CONCEPTUAL FEASIBILITY ASSESSMENT OF ENERGY AND OPERATIONS

(41) Jung Yeh, Hsing-Yu Lin, Xing-Wei Liu and Hsiang-Chuan Chang

ASSESSMENT OF LIGHT RAIL TRANSIT SYSTEMS BY ESTABLISHING SUSTAINABLE INDICATORS: A COMPARATIVE STUDY OF ANKENG AND DANHAI LRT IN TAIWAN

(97) Csongor Horváth and Attila Borsos

ASSESSING THE SAFETY OF TRAM-TRAINS IN SZEGED: INSIGHTS FROM EYE-TRACKING AND PUBLIC PERCEPTION

16³⁰ - 19⁰⁰

2.1 DECARBONISATION OF MARITIME TRANSPORT II (8): Moderator: Elena Cocuzza

(52) Cristiano Marinacci and Stefano Ricci

UNCERTAINTIES IN FORECASTING GLOBAL AND LOCAL EMISSION IN PORTS: RELEVANT PARAMETERS AND VALIDATION APPROACHES

(148) Elena Cocuzza, Elen Twrdy, Marina Zanne and Matteo Ignaccolo

TOWARDS CLIMATE-RESILIENT PORTS: INTEGRATED RISK, MITIGATION, AND ADAPTATION STRATEGIES

(64) Vivien Lorenčič and Elen Twrdy

INTEGRATED SUSTAINABILITY ASSESSMENT FRAMEWORK FOR CRUISE PORTS

(130) Gea Mišćević, Frano Barbir, Saša Aksentijević and Edvard Tijan

SWOT ANALYSIS OF HYDROGEN FUEL IN MARITIME TRANSPORT

(121) Vincenza Torrisi, Pierfrancesco Leonardi, Matteo Ignaccolo, Cristiano Marinacci and Stefano Ricci

CROSS-VALIDATION OF PORT-RELATED SHIP EMISSIONS IN ADRIATIC PORTS: INSIGHTS FROM PER-CALL AND DOCKING-TIME METRICS

(163) Gorana Jelic Mrcelić, Tina Perić, Filip Bojić and Petra Mešan

ADVERSE ENVIRONMENTAL IMPACT OF CRUISE SHIPS ON COASTAL AND MARINE AREAS

(96) Antonio Barbagallo, Bor Petrovčić, Elen Twrdy and Matteo Ignaccolo



CRUISE SHIP EMISSIONS: A COMPARATIVE ASSESSMENT OF ADRIATIC PORTS

(140) Farzana Yasmin and Inga Bartusevičienė

E-COUNSELING PLATFORM FOR SEAFARERS' SOUND MENTAL HEALTH: PROSPECT AND CHALLENGES TO IMPLEMENT GLOBALLY ON-BOARD SHIPS

2.2 LOGISTICS (3): Moderator: Kristijan Rogić

(111) Marko Filipović and Kristijan Rogić

IMPLEMENTING SELECTED ADVANCED WAREHOUSE SOLUTIONS: A STUDY OF STRATEGIC DRIVERS, CRITERIA, AND PERFORMANCE IMPACT

(113) Dean Hrastić, Edouard Ivanjko, Mario Šafran and Ivica Pivar

POSSIBILITIES FOR THE APPLICATION OF ARTIFICIAL INTELLIGENCE IN SMART INVENTORY MANAGEMENT

(11) Patricija Bajec, Marina Zanne and Hajah Rohana Sham

DESIGNING A LOW-EMISSION LOGISTICS MARKETPLACE ECOSYSTEM: BUSINESS MODEL CHANGES AND STAKEHOLDER TAKEAWAYS

2.3 ELECTRIC VEHICLES AND LOW EMISSIONS MOBILITY (6): Moderator: Marten Sprehn

(125) Marko Šoštarić, Marijan Jakovljević, Marko Švajda, David Gruhonjić and Lovro Ostroški

THE IMPACT OF VEHICLE FLEET AGE AND TRAFFIC VOLUME ON ROAD TRANSPORT EMISSIONS IN CROATIA

(25) Luca Husemann, David Meyer and Heike Proff

BUSINESS MODEL DIVERSIFICATION OF EV-MANUFACTURERS WITHIN THE BIDIRECTIONAL CHARGING ECOSYSTEM

(39) Marten Sprehn and Heike Proff

INVESTIGATION OF WILLINGNESS TO PAY FOR DEMAND-BASED CHARGING OF ELECTRIC VEHICLES IN URBAN AREAS

(47) Nenad Mrdjenović, Siniša Sremac, Gordan Stojić and Ilija Tanackov

ANALYSIS OF THE USE OF ELECTRIC VEHICLES IN THE EUROPEAN UNION

(143) Szilárd Szigeti, Gábor Pauer and Dávid Földes

ENERGY IMPACTS OF AUTONOMOUS ELECTRIC VEHICLE BEHAVIOR AT PEDESTRIAN CROSSINGS UNDER MIXED TRAFFIC CONDITIONS

(106) Fabio Sartori Vieira, Fayçal Touzout, Angelo Furno and Nour-Eddin El Faouzi

DEMAND-RESPONSIVE FLEET SIZING AND SCHEDULING FOR BATTERY-ELECTRIC AUTOMATED SHUTTLES USING A BENDERS DECOMPOSITION APPROACH

2.4 MOBILITY II (6): Moderator: Israel Dunmade

(56) Israel Dunmade

MULTIMODAL COMMUTING CHOICES BY MEMBERS OF A CANADIAN UNIVERSITY COMMUNITY: OBSERVATIONS, ANALYSIS AND IMPLICATIONS

(82) Tiziana Campisi, Chiara Spadaro, Antonio Russo and Giovanni Tesoriere

BRIDGING OPERATIONAL PERFORMANCE AND POLICY OBJECTIVES IN PT-DRT SYSTEMS: A MULTI-LEVEL KPI FRAMEWORK FOR INTEGRATED MOBILITY EVALUATION

(36) Tomaž Kofalt, Marina Zanne and Aleš Groznik

UNDERSTANDING PASSENGER BEHAVIOUR AND WILLINGNESS TO SHIFT BETWEEN ROAD PASSENGER TRANSPORT MODES IN THE EUROPEAN UNION: A REVIEW OF POSITIVIST AND INTERPRETIVIST PERSPECTIVES

(45) Arne Jeppe, Tim Bree, Erik Karger and Heike Proff

THE SMART CITY DATA PARADOX: A NEW GOVERNANCE MODEL FOR VALUING SMART MOBILITY ECOSYSTEMS

(63) Vlasta Rodošek, Tinka Valtl and Marjan Lep

MODAL SHIFT FEASIBILITY FOR USING E-BIKES FOR HOME-TO-WORK COMMUTING IN THE MARIBOR FUNCTIONAL URBAN AREA

(138) Ramón Kovács and Bálint Csonka

INFORMATION SYSTEM CONCEPT DEVELOPMENT SUPPORTING BIKE TO SCHOOL PROGRAMS

9³⁰ – 12⁰⁰**3.1 MARINE ENGINEERING (7): Moderator: Ladislav Stazić**

(87) Ladislav Stazić, Karlo Grabovac and Zdeslav Jurić

ANALYSIS OF THE VENTILATION AND AIR CONDITIONING SYSTEM OF A CARGO SHIP, CASE STUDY

(88) Zdeslav Jurić, Ladislav Stazić and Stipe Šola

INFLUENCE OF INPUT PARAMETERS ON THE EFFICIENCY OF A REFRIGERATION PLANT

(22) Luka Čulić, Nediljko Kaštelan, Marko Zubčić and Ivan Pavić

BRIDGING DIAGNOSTIC LIMITATIONS: A STRAY FLUX METHOD FOR COMBINED FAULTS IN MARINE INDUCTION MOTORS

(77) Jelena Žanić Mikuličić, Nives Vidak, Mate Jurjević and Ladislav Stazić

ANALYSIS OF INFLUENCES ON COMMUNICATION IN THE ENGINE ROOM

(92) Siniša Martinić-Cezar, Peter Vidmar, Tina Perić and Nikola Račić

CORRELATION BETWEEN NOX AND CO2 EMISSIONS UNDER VARIABLE LOAD CONDITIONS AT CONSTANT SPEED IN FOUR-STROKE DUAL FUEL ENGINES

(109) Karlo Bratić, Nenad Vulić, Đorđe Dobrota and Francisko Lukša

MODELLING AND ANALYSIS OF TORSIONAL VIBRATIONS IN MARINE DIESEL ENGINE PROPULSION SYSTEMS USING SIMULATIONX SOFTWARE

(129) Kristina Vragović, Lucija Tadić, Igor Pavlović and Ivana Golub Medvešek

APPLICATION OF DIGITAL TWINS FOR FAULT DIAGNOSTICS IN MARINE ENGINE SYSTEMS

3.2 RAIL TRANSPORT (8): Moderator: Stefano Ricci

(50) Peyman Asmari and Stefano Ricci

BALANCING HEADWAYS AND PERFORMANCE REGIME COSTS: BUFFER SCHEDULING FOR SECONDARY-DELAY REDUCTION

(57) Dejan Žagar, Dario Kocjančič and Franc Dimc

EXPERIMENTAL METHOD PROPOSAL FOR ASSESSING THE IMPACT OF OPERATIONAL STRESSORS ON TRAIN DRIVER

(115) Giuseppe Borruso, Caterina Caramuta, Giovanni Longo, Chiara Ricchetti and Francesca Sinatra

INTEROPERABILITY AS A DRIVER TO BOOST EMPLOYMENT IN THE RAILWAY TRANSPORT SECTOR: EVIDENCE FROM ITALY

(58) Marko Golnar, Bojan Bešković, Sebastijan Škerlić, Tomaž Kofalt, Veronika Randl and Maja Stojaković

EMPLOYMENT POTENTIAL OF YOUNG PEOPLE IN THE RAILWAY SECTOR: INSIGHTS FROM BORDER REGIONS

(153) Lucky Adoh, Daniil Yurchenko, David Thompson and Giacomo Squicciarini

POWER HARVESTING FROM TRAIN-INDUCED VIBRATIONS AT RAILWAY SWITCHES AND CROSSINGS

(156) Ján Dižo, Alyona Lovska, Miroslav Blatnický and Martin Bučko

OVERVIEW OF METHODS FOR ASSESSING PASSENGERS RIDE COMFORT IN RAILWAY VEHICLES FROM MECHANICAL VIBRATION POINT OF VIEW

(157) Alyona Lovska, Juraj Gerlici, Miroslav Blatnický and Ján Dižo

SELECTED METHODS FOR ASSESSING THE RUNNING PROPERTIES OF FREIGHT WAGONS

(61) Bilel Jebali, Mnuela Genesseeux, Bogdan Muresan-Paslaru and Malal Kane

ENVIRONMENTAL CONTAMINATION AND SURFACE TEXTURE EFFECTS ON RUBBER-STEEL FRICTION: EXPERIMENTAL INSIGHTS FROM LEAF-POLLUTED INTERFACES

3.3 AIR TRANSPORT (7): Moderator: Olja Čokorilo

(2) Olja Čokorilo

URBAN DESIGN CHALLENGES IN IMPLEMENTING ELECTRIC VERTICAL TAKE-OFF AND LANDING (eVTOL) AIRCRAFT & INFRASTRUCTURE (VERTIPOINTS) FOR EXPO 2027 BELGRADE

(123) Dariusz Tloczynski

ENVIRONMENTAL, SOCIAL AND GOVERNANCE PRACTICES AT EUROPEAN AIRPORTS: INSTITUTIONAL BENCHMARKING AND IMPLICATIONS FOR POLISH AIRPORT GOVERNANCE MODELS

(116) Przemyslaw Olczyk

MAPPING AIRPORT COMPETITIVENESS RESEARCH: A STRUCTURAL TOPIC MODELING

(34) Zvonimir Rezo, Sanja Steiner and Vlaho Brailo

DECISION-MAKING IN THE AERODROME AIR TRAFFIC CONTROL BASED ON METEOROLOGICAL DATA: A CASE STUDY REVIEW

(28) Matej Soldo Jocić, Biljana Juričić, Zvonimir Rezo and Sanja Steiner

A GENERIC MODEL FOR EVALUATING VERTICAL FLIGHT (IN)EFFICIENCY IN CLIMB AND DESCENT: A CONDITIONAL COUNTERFACTUAL ACTUAL-OPTIMAL ASSESSMENT



(33) Zvonimir Rezo, Tomo Bagarić and Sanja Steiner

AIRCRAK.IO: A WEB-BASED PLATFORM FOR HAPS OPERATIONS AND PERFORMANCE MONITORING

(108) Diana Božić, Josipa Mustapić and Anita Domitrović

DATA-DRIVEN ALIGNMENT OF SAFETY AND QUALITY INDICATORS IN TRANSPORT MANAGEMENT SYSTEMS

3.4 LAST-MILE (6): Moderator: Patricija Bajec

(43) Domokos Esztergár-Kiss and Balázs Varga

DEVELOPMENT OF A STRATEGY FOR GREENING THE LAST MILE OF HOME DELIVERY SERVICES

(131) Patricija Bajec, Danijela Tuljak-Suban and Blaž Luin

ACCURATE MEASUREMENT OF TRANSPORT EMISSIONS USING REAL-WORLD VEHICLE DATA: A CROSS-BORDER POSTAL LOGISTICS CASE STUDY

(13) Daniyar Satarov and Evelin Krmac

AI-ENABLED DYNAMIC ROUTE OPTIMIZATION FOR LAST-MILE DELIVERY: A LITERATURE REVIEW

(20) Veronika Randl and Bojan Beškovnik

GUIDELINES FOR THE POTENTIAL INTRODUCTION OF CROWDSHIPING INTO THE DELIVERY CONCEPT OF LCL SERVICES

(30) Mozhgan Mansouri Kaleibar and Evelin Krmac

DYNAMIC DEA FOR REAL-TIME URBAN FREIGHT EFFICIENCY UNDER TRAFFIC UNCERTAINTY

(94) Tomislav Peregrin, Diana Hunjak and Ratko Stanković

EVALUATION OF THE IMPACT FACTORS ON THE TEMPERATURE OF GOODS IN THE COLD CHAIN LAST MILE DELIVERY

13³⁰ - 18⁰⁰

4.1 NAVIGATION AND PILOTAGE (7): Moderator: Marko Perkovič

(10) Luka Vukić, Jelena Žanić Mikuličić and Ivana Radica

AN ANALYSIS OF THE RECEPTION CAPACITIES FROM THE PERSPECTIVE OF MARITIME SAFETY IN THE PORT OF KORČULA (POLAČIŠTE)

(158) Vinka Kolić Bubić and Rino Bošnjak

FROM CHARTS TO DATA: SAFETY AND CYBERSECURITY CHALLENGES IN THE IMPLEMENTATION OF THE S-100 FRAMEWORK

(35) Mislav Maljković, Srđan Vukša, Ivica Pavić and Marko Perkovič

MANEUVERING MARGINS IN CONFINED WATERWAYS: INTERPRETATION AND SIMULATION-BASED COMPARISON OF THE EVER GIVEN CASE

(51) Vice Milin, Ivica Skoko, Hrvoje Musulin and Zaloa Sanchez Varela

DEFINING MARITIME TRAFFIC COMPLEXITY – CONCEPT DEVELOPMENT REVIEW

(68) Gojko Nizić, Ivana Golub Medvešek, Lucija Tadić and Oleksiy Melnyk

TECHNICAL AND ORGANIZATIONAL CONSTRAINTS IN INTEGRATING S-102 AND S-101 WITHIN THE S-100 FRAMEWORK

(136) Alen Gospic, Rino Bosnjak, Joško Šoda and Ivana Golub Medvešek

CATEGORY ZONES OF CONFIDENCE (CATZOC) AS A SOCIO-TECHNICAL RISK INDICATOR IN MARITIME NAVIGATION

(104) Matej Glišović and Evelin Krmac

REMOTE MARITIME PILOTAGE: A PRISMA-BASED SYSTEMATIC LITERATURE REVIEW OF ACADEMIC RESEARCH

5.1 MARITIME SAFETY (5): Moderator: Lucjan Gućma

(66) Dario Medić, Mario Bakota, Igor Jelaska and Vice Milin

MARITIME SEARCH AND RESCUE IN THE REPUBLIC OF CROATIA: AN ANALYSIS OF INCIDENT PATTERNS AND OPERATIONAL TRENDS

(70) Zvonimir Lušić, Fernando Filipović, Mirko Čorić and Stipe Galić

MARITIME ACCIDENTS ALONG THE EASTERN ADRIATIC COAST: CORRELATIONS WITH TRAFFIC INTENSITY AND SEA AREA SIZE

(159) Lucjan Gućma and Maciej Gućma

RISK ACCEPTABILITY CRITERIA IN THE SAFETY ANALYSIS OF OFFSHORE WIND FARMS

(31) Nermin Hasanspahić, Tonči Biočić, Miho Kristić and Ivica Đurđević-Tomaš

SYSTEMIC FAILURES BEHIND CARGO LIQUEFACTION ACCIDENTS: A HFACS-MA BASED ANALYSIS

(14) Olivier Joly and Ronan Kerbirou

THE RED SEA CRISIS AND ITS IMPACTS ON THE MEDITERRANEAN CONTAINER PORT SYSTEM?

4.2 DECISION MODELS IN TRANSPORT (7): Moderator: Vincenza Torrisi

(135) Željko Stević, Dragan Smiljanić, Siniša Sremac and Boris Gitolendia

APPLICATION OF LOGSTA-MARCOS MODEL IN TRANSPORT OF DANGEROUS GOODS

(132) Patricija Bajec, Timotej Hrga, Marko Jakšić, Miha Janež, Miha Mraz, Aljoša Peperko, Matija Pretnar, Lidija Stanovnik, Tina Šfiligoj and Peter Vidmar



QUANTUM OPTIMISATION FOR CONTAINER TERMINALS: A LITERATURE REVIEW

(74) Robbe Bruggeman, Brecht de Wolf, Valentin Carlan and Joost Hintjens

DEVELOPING AN AI MATURITY MODEL: INSIGHTS FROM FREIGHT FORWARDERS

(120) Vincenza Torrisi, Sheila Bellia, Pierfrancesco Leonardi and Matteo Ignaccolo

ASSESSMENT OF TRAFFIC IMPACTS IN PORT AREAS THROUGH DYNAMIC ASSIGNMENT: THE CASE OF CATANIA (ITALY)

(7) Mateja Držečnik and Uroš Klanšek

SOLUTION OF NONLINEAR TRANSPORTATION PROBLEM: INFLUENCE OF STARTING POINT IN GLOBAL OPTIMIZATION BY BRANCH-AND-CUT METHOD

(8) Mateja Držečnik and Uroš Klanšek

SOLUTION OF NONLINEAR TRANSPORTATION PROBLEM: OVERVIEW OF METHODS AND REAL-WORLD APPLICATIONS

(161) Tsung-Sheng Chang and Tzu-Hsien Chao

LINER SHIPPING ALLIANCE PARTNER SELECTION VIA DEA AND GAME THEORY

5.2 MARITIME LAW (6): Moderator: Ines Medić

(105) Tina Perić, Ivana Golub Medvešek, Igor Pavlović and Karlo Bratić

INTEGRATED ANALYSIS OF NAUTICAL TOURISM INFRASTRUCTURE AND REGULATORY FRAMEWORKS IN CROATIA

(26) Jasenko Marin

LIABILITY OF MULTIMODAL TRANSPORT OPERATORS – CONTRACTUAL CLAUSES VS. (INTER)NATIONAL LAW

(71) Paula Braovac and Marija Pijaca

THE ROLE OF PASSENGER SHIP CREWS IN THE PERFORMANCE OF MARITIME PASSENGER TRANSPORT CONTRACTS

(53) Tomislav Sunko, Mario Musulin, Gojko Nizić, Mihael Dedo and Luka Matijašević

COMPARATIVE ANALYSIS OF SELECTED OUTCOMES OF THE CENTRAL COORDINATING COMMITTEE'S ACTIVITIES FOR THE SURVEILLANCE AND PROTECTION OF CROATIA'S MARITIME RIGHTS AND INTERESTS

(166) Ines Medić

CHOICE-OF-COURT AGREEMENTS IN BILL OF LADING – WHICH EFFECTS FOR THE THIRD PARTIES?

(91) Georgi Dimitrov and Mihail Gachevski

MASTER'S LIABILITY IN CONTEMPORARY MARITIME CASUALTIES

4.3 PORTS AND SMART SOLUTIONS IN MARITIME TRANSPORT (5): Moderator: Tanja Brcko Satler

(80) Tanja Brcko Satler, Đurđica Kostadinović Đedović and Dejan Žagar

ASSESSING HUMAN AND SYSTEM RISKS IN REMOTE OPERATIONS CENTRES FOR MARITIME AUTONOMOUS SURFACE SHIPS

(46) Deniss Bickovs, Veranika Khlud, Mihails Gorobecs and Kristine Carjova

DIGITAL READINESS AND SMART PORT INTEGRATION OF SMALL PORTS IN THE BALTIC SEA REGION

(38) Miro Petković, Mario Miličević, Nediljko Bugarin and Arkadiusz Adamczyk

SHORE-BASED CAMERA VESSEL DETECTION AND TRACKING FOR TRAJECTORY ESTIMATION IN COASTAL WATERS

(65) Paško Esko Krančević, Ivica Skoko, Zlatko Boko and Vice Milin

REVIEW OF NEW TECHNOLOGIES AND AUTONOMOUS SYSTEMS ON MODERN OFFSHORE VESSELS

(54) Chackrit Duangphastra

THE ENHANCEMENT OF MARITIME CONNECTIVITY OF SELECTED COUNTRIES IN ASEAN: CASE STUDY OF CAMBODIA, VIETNAM, AND THAILAND

5.3 PRACTICES IN EDUCATION AND COMMUNICATION (6): Moderator: Tatijana Dlačić

(160) Agnieszka Nowy and Rafał Gralak

GENERATION Z AND MARITIME HIGHER EDUCATION: ENROLMENT TRENDS, RECRUITMENT CHALLENGES AND PROMOTIONAL STRATEGIES

(40) Simona Garbuglia, Stefano Ricci, Luca Rizzetto and Katherine Pilar Sulca Laurente

RISK ANALYSIS OF A PROTOTYPE LANGUAGE TRANSLATION TOOL FOR RAIL CROSS-BORDER COMMUNICATION

(85) Zorica Đurović

CORPUS LINGUISTICS METHODS FOR BUILDING TECHNICAL GLOSSARIES: THE EXAMPLE OF A TEXTBOOK ON LOGISTICS

(145) Elena Cvetkov, Zorica Đurović and Milena Dževerdanović-Pejović

RECONSIDERING ENGLISH FOR MARITIME LOGISTICS PURPOSES: IS GENERAL ENGLISH ENOUGH?

(154) Jelena Nikčević, Tatijana Dlačić and Vera Kapetanović

REGULATORY MECHANISMS OF QUALITY CONTROL OF SEAFARERS' EDUCATION IN MONTENEGRO

(155) Vera Kapetanovic, Maja Krčum, Tatijana Dlačić and Igor Petrović

**4.4 POLLUTION PREVENTION IN MARITIME TRANSPORT (7): Moderator: Anita Gudelj**

(93) Anita Gudelj, Merica Slišković, Helena Ukić Boljat and Jelena Čulić Gambiroža

SEASONAL AND SPATIAL DYNAMICS OF CHLOROPHYLL-A IN THE CENTRAL ADRIATIC: MULTI-INDEX ANALYSIS USING SENTINEL-3 OLCI DATA

(21) Urban Pegan and Danijela Tuljak-Suban

MULTI-CRITERIA ASSESSMENT OF COASTAL SENSITIVITY TO MAJOR OIL SPILLS IN THE NORTH ADRIATIC SEA

(24) Nediljko Kaštelan, Ivan Pavić, Marina Laušić and Mile Ivanda

ADVANTAGES OF IN-SITU RAMAN SPECTROSCOPY IN MARITIME AFFAIRS, WHY MAKE IT PORTABLE?

(73) Matea Horvat, Biserka Rukavina and Mirjana Kovačić

ANALYSIS OF LEGAL SOURCES IN THE FUNCTION OF PREVENTING POLLUTION OF THE MARINE ENVIRONMENT FROM VESSELS

(137) Ivana Bačović, Dragana Milošević, Elena Cvetkov and Senka Šekularac-Ivošević

TECHNICAL AND ECONOMIC ANALYSIS OF ZINC RECYCLING POTENTIAL IN THE MARITIME SECTOR OF MONTENEGRO

(146) Aleksandar Mandić, Dragana Milošević, Srđan Vujičić, Zvonko Kavran, Ana Krmek, Marija Parać, Neven Cukrov and Špiro Ivošević

SPATIAL DISTRIBUTION OF MICROPLASTICS IN BOKA KOTORSKA BAY BASED ON ROV – ASSISTED MONITORING - PRELIMINARY RESULTS

(152) Nataša Kovač, Filip Radunović, Aleksandar Mandić, Senka Šekularac-Ivošević and Špiro Ivošević

HEAVY METAL ANALYSIS BY ROV – ASSISTED MONITORING IN THE ADRIATIC SEA - PRELIMINARY RESULTS

5.4 ONLINE MIX (7): Moderator: Marina Zanne (link: <https://uni-lj-si.zoom.us/j/98502314122>)

(83)* Daniela Koltovska Nechoska, Stevcho Jolakoski and Daniel Pavleski

PROACTIVE METHOD OF ROAD NETWORK SAFETY ASSESSMENT: A COMPREHENSIVE ANALYSIS

(89)* Antonija Mišura, Maja Račić and Mira Pavlinović

INTELLIGENT TRANSPORT SYSTEMS AS A DRIVER OF SUSTAINABLE AND ECONOMICALLY EFFICIENT MOBILITY: A CASE STUDY OF THE CITY OF SPLIT

(42)* Snežana Tadić, Aleksa Maravić, Mladen Krstić, Miloš Veljović and Slobodan Zečević

TRACES OF AID: MCDM MODEL FOR SELECTING THE OPTIMAL TRACKING TECHNOLOGY IN HUMANITARIAN LOGISTICS

(76)* Miloš Veljović, Teodora Jorgačević, Mladen Krstić, Snežana Tadić and Vasilije Perović

MULTI-CRITERIA EVALUATION OF WAYS TO OVERCOME CHALLENGES IN PHARMACEUTICAL SUPPLY CHAINS

(5)* Tamar Gugushvili, Medea Gugushvili and Nino Pailodze

TECHNOLOGY-ENHANCED INVENTORY RISK MONITORING AT DRY PORTS – A CONCEPTUAL FRAMEWORK FOR GEORGIAN BANKS

(75)* Lea Vojković, Toni Meštrovic, Mario Bakota and Jakša Mišković

EDUCATIONAL CHALLENGES IN TRAINING AUTONOMOUS SHIP OPERATORS

(99)* Naomi Louhenapessy, Vidya Selasini, Nafi Almuzani and Mreza Syahfalepi

STRATEGIES FOR PREVENTING PIRACY IN HIGH-RISK AREAS