Srđan Vujičić

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**Obrazovanje**

Education

Doktor znanosti (dr.sc.)

Doctor of Philosophy PhD, (Ph.D)

Tehničke znanosti, polje tehnologija prometa i transporta , Pomorski fakultet u Rijeci (od 2018.)

Technical sciences, Transport Technology, Maritime and Inland Waterways Transport branch, University of Rijeka, Faculty of Maritime Studies Rijeka (From 2018)

Zapovjednik broda na brodovima od 3000BT-a i većim

Master of a ship of 3000 GT or more – II/2

izdano od: Lučka kapetanija Dubrovnik, Hrvatska (od 2010.g)

Harbour Master Office of Dubrovnik Croatia (From 2010)

Diplomirani inžinjer pomorskog prometa (Magistar injžinjer) Nautički studij, Sveučilište u Dubrovniku (od 2002 g.)

Master of Engineering (MEng)

Nautical Studies and Maritime Transport Technology, University of Dubrovnik (From 2002)

Ostale vještine i stručna osposobljenost

Govori i piše: Engleski jezik, Taijanski jezik (opća komunikacija)

Poznavanje rada u programima GeNIe i Hugin, Visio, Matlab, Microsoft i dr.

Other Skills & Qualifications:

Languages spoken – Croatian, English, Italian (conversational)

GeNIe and Hugin – Bayesian network, Visio. MATLAB. Microsoft Excel, Word, PowerPoint, Outlook, ..

**Članstvo u znančajnim udrugama i organizacijama**

Auxiliary Roles (membership):

* *Član Organizacijskog odbora za SILA, Mljet 2019 g.*

Member of the Organizational Committee for Smart Islands and Regions Labs (SILA)- partnership development conference, Mljet Island- Croatia, Sep. 30 Oct – 2nd Nov 2019;

* *Član Znanstvenog odbora konferencije Naše More, Dubrovnik 2019 g.*

Member of the Scientific Committee for 'International Conference of Maritime Science & Technology' (NAŠE MORE 2019). Dubrovnik, Croatia, 17 – 18 October 2019;

* *Član Organizacijskog odbora, recenzent konferencije Naše More, te voditelj sesije, Dubrovnik 2021 g.*

Member of the Organizational Committee for 'International Conference of Maritime Science & Technology' (NAŠE MORE 2021). Dubrovnik, Croatia, October 2021;

* *Član Organizacijskog odbora za ATINER, recenzent i voditelj sesije , Atena 2019 g.*

Conference Chair - reviewing conference papers and part of organizational scientific committee for 5th Annual International Conference on Transportation 3-6 June 2019, Athens, Greece;

* *Dugogodišni aktivni član Udruge Visokih pomorskih učilišta u Republici Hrvatskoj*

Active member of Maritime education Association and Maritime high schools and Universities in Croatia;

* *Član uredništva časopisa Naše More, te aktivni recenzent znanstvenih i konferencijskih radova*

Member of International Editorial board for International Journal of Maritime Science & Technology «Our Sea»; Croatia 2019., reviewer of journal and conference paper.

* Aktivni recenzent časopisa*: Journal of navigation (JoN), Sustainability (JCR-Q2), Journal of Marine Science and Engineering (JCR-Q2), Polish Maritime Research, Athens Journal of Education, Acta Scientiarum Polonorum - Oeconomia, Scientific Journal of Maritime Research „Pomorstvo“, Journal of Maritime and Transportation Sciences „Pomorski zbornik“, International Journal of Maritime Science & Technology „Naše More“, te konferencijskih radova za ATINER proceedings, Naše More proceedings, 14th Annual Baška GNSS Conference proceedings.*

Active Reviewer for Scientific Journals: Journal of navigation (JoN), Sustainability (JCR-Q2), Journal of Marine Science and Engineering (JCR-Q2), Polish Maritime Research, Athens Journal of Education, Acta Scientiarum Polonorum - Oeconomia, Scientific Journal of Maritime Research „Pomorstvo“, Journal of Maritime and Transportation Sciences „Pomorski zbornik“, International Journal of Maritime Science & Technology „Our Sea“, 14th Annual Baška GNSS Conference proceedings.

* Član tima na znanstveno-istraživačkim projektima*:*
* *TCC-SCV SAPH, 2016. g. (završen projekt);*
* *CUSMAT, 2020. g. (aktivan projekt);*
* *MODUS, 2020. g. (aktivan projekt).*

Member of TCC-SCV SAPH (Trecvet Core Curriculum for skippers of small commercial vessels) project, main researcher: Associate professor Đani Mohović (PhD), Maritime faculty of Rijeka, Croatia, 2016;

Member of Research Project – The New maritime Silk Road: Navigational and Security in the Technological Era implemented within the Uni Center for Maritime studies and transport (CUSMAT) of Macerata Italy, 2020;

Member of Croatian Science foundation (HRZZ) project, Name of the project: Uncertainties environmental modeling and ship response prediction in the Adriatic Sea (MODUS), Croatia, 2020

* *Aktivni član Nautičkog Instituta iz Londona, koji predstavlja savjetodavno tijelo pri Međunarodnoj Pomorskoj Organizaciji*

Member of Nautical Institute, non-governmental organisation (NGO) with consultative status at the International Maritime Organization (IMO).

* *Član unutarnje kontrole sustava kvalitete na Sveučilištu u Dubrovniku*

Member - Internal Quality Management System compliance with relevant specifications along with coordination of the document control and quality record systems.

* *Član radne skupine za izradu Plana razvoja Dubrovačko-neretvanske županije 2027*.,

From 2020. working group member for Dubrovnik-Neretva County (Education, Science, Culture and Sport - Development plan for Dubrovnik-Neretva County 2027.

Radno iskustvo

Professional Experience:

Sveučilište u Dubrovniku 2012 – trajno

University of Dubrovnik 2012 – Current

*Pročelnik Pomorskog odjela, Sveučilišta u Dubrovniku od 2021 g.*

Head of Maritime Department, University of Dubrovnik 2021 - Current

*Docent - Pomorski odjel, Elektro odjel , predavač na dodatnim programima izobrazbe (od 2019)*

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| --- |
| *Assistant Professor (Ph.D.), Nautical Science, Maritime teaching Staff (from 2019)*Assistant Professor within the Maritime studies Nautical Science department. Research interests include the education of seafarers, safety at sea, passenger ship safety and stability, ship handling, passage planning, human relations and environmental analysis. Currently Active:Head professor at Erasmus course Passenger Transport Technology.Head professor at courses Passenger transport technology, Safety at Sea and Voyage Planning, Work organization and on-board management, Terrestrial Navigation, sea Transport Means I&II,Celestial Navigation, Electronic Navigation, Marine Meteorology, Cargo Handling I&II, Container and RO-RO transport Technologies, Bulk and Specialised Cargo Transport Technology.Acting as a senior course lecturer to deliver STCW convention and other global standards. Active lecturer on the following courses: Bridge Resource Management, Use of Leadership and Managerial Skills, Application of Leadership and Team working skills, Marine Environmental Awareness, Ship Security Officer, Passenger ship safety; Crowd and Crisis management, Passenger safety, Cargo safety Hull integrity, Basic Safety Training and others. As part of this role I ensure internal quality management system compliance with relevant specifications along with the coordination of document control and quality record systems.*Asistent, predavač na dodatnim programima izobrazbe na Pomorskom odjelu (2012-2019)* |
| *Assistant Lecturer, Maritime department, Maritime teaching Staff (from 2012 - 2019)* |

Course lecturer as per STCW convention and others. Active lecturer on the following courses: Bridge Resource Management, Use of Leadership and Managerial Skills, Application of Leadership and Team working skills, Marine Environmental Awareness, Ship Security Officer, Passenger ship safety; Crowd and Crisis management, Passenger safety, cargo safety, hull integrity and others. Ensure Internal Quality Management System compliance with relevant specifications along with coordination of the document control and quality record systems.

Prestige Cruise Holdings 2005-2012

Oceania Cruises

1. časnik/časnik za opću sigurnost na brodu (SO), časnik odgovoran za zaštitu okoliša (EO), navigacijski 1. Časnik (NO))

*Chief Officer/Safety officer, Environmental officer, Navigation officer*

Responsible for all safety and safety related concerns on-board, including shipboard accident management and incident prevention. Organization and coordination for all aspects during shipboard emergencies such as acting as the firefighting coordinator, evacuation coordinator, lifeboat management, disaster training and damage control. Responsible for training up to 400 crew members in regards to safety to ensure compliance with the on board safety management system and associated governing bodies. Responsible for maintaining, reporting and repairing any safety, firefighting or lifesaving equipment. Ensuring that all safety drills, safety inspections are carried out as per company safety management system and IMO, ILO, ISM, STCW regulation and maritime law.

*Atlanska plovidba, Dubrovnik,* 2003-2005

*vježbenik palube, 3. Časnik, časnik za sigurnost*

Atlant Shipping, Dubrovnik 2003-2005

*Apprentice Officer, 3rd Officer, Safety officer*

Responsible for all aspects of Bridge organizations such as assigning duties to fellow bridge members. Active part of Bridge team management as a Navigational Officer, Ass. Safety officer and Environmental Officer. Inspection and maintenance of the structural integrity of the vessel. Working with the Captain and First officer regarding environmental procedures, safety drills, muster list. Responsible for vessel stability, ensuring that all navigational equipment and electronic devices are in proper working condition.

*Akademska i znanstvena dostignuća*

Academic Publications

 CROSBI profile: No: 35229

 MZO ID Scientist number: 37190

ORCID iD

<https://orcid.org/0000-0001-5328-9264>

<https://scholar.google.com/citations?user=qjbepogAAAAJ&hl=hr>

**DOKTORSKA DISERTACIJA**

*Vujičić, Srđan; Evaluation Efficiency Assessment Model on Cruise Ships, Dissertation*

*SAŽETAK DISERTACIJE NA ENGLESKOM JEZIKU*

Summary of PHD Dissertation:

Evacuation in the event of maritime accidents is a crucial problem on cruise ships. The issues analysed in the dissertation include general guidelines of organization, organizational structures, main line of communication and current methods to determine the success of evacuation on a cruise ship. The cause-effect model is considered in the context of maritime accident development which can lead to decision making for evacuation and abandonment factors are presented.

Factors affecting the evacuation procedure and determined in the dissertation and their interdependence is shown by using the Bayesian Network. Qualitative passenger readiness and quantitative ship's crew readiness models have been developed.

The influence factors affecting the evacuation process and conditional probability were quantified based on the statistical data, literature analysis, questionnaire and expert opinion. A method is presented to determine correct data for root variables on the ship.

Sensitivity analysis was used to determine the most influential model factors, and recommendations for improving the results were provided. This model of crew readiness can be used on cruise ships and, besides assessing the crew readiness, it can help in driving the decision-making process.

**ZNANSTVENI RADOVI**

A)Vujičić, Srđan; Hasanspahić, Nermin; Car, Maro; Campara, Leo: Distributed Ledger Technology as a Tool for Environmental Sustainability in the Shipping Industry // Journal of Marine Science and Engineering, 8 (2020), 5; 366, 14 doi:10.3390/jmse8050366

CC, SCI, SCI-Expanded, SCOPUS

A)Vujičić, Srđan; Hasanspahić, Nermin; Gundić, Ana; Hrdalo, Niko: Assessment for Ensuring Adequately Qualified Instructors in Maritime Education and Training Institutions // Athens Journal of Sciences, 7 (2020), 115-126 doi:10.30958/ajs.7-2-4 (međunarodna recenzija, članak, znanstveni)

A)Gundić, Ana; Vujičić, Srđan; Maglić, Lovro; Ivanišević, Dalibor: Methods for demonstrating a competence and criteria for evaluating a competence in STCW Convention // Pomorstvo : scientific journal of maritime research, 34 (2020), 2; 245-251 doi:10.31217/p.34.2.5 (međunarodna recenzija, pregledni rad, znanstveni

CC, ESCI, SCOPUS

A) Hasanspahić, Nermin; Frančić, Vlado; Vujičić, Srđan; Maglić, Lovro: Reporting as a Key Element of an Effective Near-Miss Management System in Shipping // Safety, 6 (2020), 4; 1-15 doi:10.3390/safety6040053

CC, SCI, SCI-Expanded, SCOPUS

A) Hasanspahić, Nermin; Frančić, Vlado; Vujičić, Srđan; Mandušić, Mario: Safety Leadership as a Means for Safe and Sustainable Shipping // Sustainability, 13 (2021), 14; 7841, 14 doi:10.3390/su13147841 (međunarodna recenzija, članak, znanstveni)

A) Gundić, Ana; Vujičić, Srđan; Maglić, Lovro; Grbić, Luka: Reducing a Human Factor in Cruise Ships Accidents by Improving Crew Competences // TransNav, 15 (2021), 2; 415-421 doi:10.12716/1001.15.02.20 (međunarodna recenzija, članak, znanstveni)

A) Hasanspahić, Nermin; Frančić, Vlado; Vujičić, Srđan; Maglić, Lovro: Near-Miss Reporting as Seen from Seafarers' Perspective // TransNav (2021) (međunarodna recenzija, prihvaćen)

A) Hasanspahić, Nermin; Vujičić, Srđan; Frančić, Vlado; Čampara, Leo: The Role of the Human Factor in Marine Accidents // Journal of marine science and engineering, 9 (2021), 3; 261, 16 doi:10.3390/jmse9030261 (međunarodna recenzija, članak, znanstveni)

A) Hasanspahić, Nermin; Vujičić, Srđan; Čampara, Leo; Piekarska, Klaudia: Sustainability and Environmental Challenges of Modern Shipping Industry // Journal of applied engineering science, 19 (2021), 2; 369-374 doi:10.5937/jaes0-28681 (međunarodna recenzija, pregledni rad, znanstveni

A)Vujičić, Srđan; Mohović, Robert; Tomaš, Ivica Đurđević: Methodology for Controlling the Ship's Path During the Turn in Confined Waterways, Pomorstvo – Scientific Journal of Maritime Research, Volume 32, Issue 1 (2018), str. 28-35.

Emerging Sources Citation Index (ESCI) (Thomson Reuters), ASFA (CSA), BMT, CSA, EBSCO Publishing, GEOBASE, HRČAK, INSPEC, SCOPUS, TRIS)

A)Koboević, Žarko; Kurtela, Željko; Vujičić, Srđan: The Maritime Silk Road and China's Belt and Road Initiative, Naše More, Volume 65, Issue 2 (2018), str. 113-122.

A)Vujičić, Srđan; Mohović, Đani; Mohović, Robert: A Model of Determining the Closest Point of Approach Between Ships on the Open Sea, Promet-Traffic & Transportation, Volume29, Issue 2 (2017), str. 225-232 .

CC, SCI, SCI-Expanded

Mojaš N., Vujičić S., Hrdalo N., Prepoznavanje sigurnosnih prijetnji na brodu i sigurnosni postupci posade broda. // Naše more” 61(3-4)/2014. - Dopuna, str. 58-63;

Mojaš, Nikša; Vujičić, Srđan: Steamship Company „Napried“ as the Orientation of the people of Dubrovnik to Invest in Steamship Ocean-Going Freighters, Naše More, Volume 60, Issue (1-2) (2013), str. 23-31.

Mojaš N., Vujičić S., Hrdalo N., Sigurnosna zaštita na brodu. // Naše more” 60(3-4)/2013. – Dopuna, str. 39-45;

**STRUČNI RADOVI U ČASOPISIMA CITIRANIM U WOS I SCOPUS BAZI PODATAKA**

Professional paper:

Vujičić, Srđan; Milošević-Pujo, Branka; Gašpar, Veronika: [The Rights of Passengers in the Event of Death and Personal Injury on Board a Cruise Ship Under the 1974 Athens Convention and its 2002 Protocol - the Implementation of the Convention and The 2002 Protocol](https://www.bib.irb.hr/1124069); // Transactions on maritime science, 10 (2021), 1; 22, 20 doi:10.7225/toms.v10.n01.022 (recenziran, članak, stručni)

**ZNANSTVENI RADOVI NA KONFERENCIJAMA**

Industry Conference Contributions

B)Vujičić, Srđan; Kurtela, Željko, Koboević, Žarko: Marine environmental analysis in the area of Great Britain with attention on fishing boat analysis for period from 2003 to 2013, XXIV International Scientific Symposium, Modern Traffic-Transport Systems 2017. Volume 37, No 3-4, p. 101-176, Zagreb/Croatia- April, 2017 - Organisation: *Croatian Scientific Society for Transport, (Croatia)*

Vujičić, Srđan; Hasanspahić, Nermin; Mišković, Dario: Importance of Leadership Qualities on Bord Ships with Emphasis on Crisis Situation, Athens Institute for Education and Research, 4th Annual International Conference on Transportation, ATINER Conference paper Series, No: TRA2018 -2529, p. 3-16., Athens/Greece, June 2018 - Organisation: Athens Institute for Education and Research *(Greece)*

Vujičić, Srđan; Mišković, Dario; Damić, Dražen: Applicability of Novec 1230 system on board, in terms of its environmental friendliness and sustainable development in maritime transport, 18th International Conference on Transport Science, ICTS 2018, p 400-405. Portorož/Slovenia, June 2018.

Organisation: *Slovene Association of Transport Sciences, University of Ljubljana(Slovenia), Faculty Maritime Studies and Transport, University of Split, Faculty of Maritime Studies (Croatia)*

Đurđević, Ivica-Tomaš; Brajović, Miloš; Vujičić, Srđan: Plotting of manually obtained fixes on ECDIS. 9th International Conference on Ports and Waterways–POWA 2014, p. 27-35. Sisak/Croatia, September 2014.

Organisation: *Faculty of transport and traffic sciences (Croatia)*

Hasanspahić, Nermin; Vujičić, Srđan; Mišković, Dario: Effect of multicultural awareness and communication on safety onboard a vessel , ICTTE 2018, International Conference on Traffic and Transport Engineering, str. 319-324. Belgrade/Serbia, September 2018 - Organisation: *Faculty of Transport and Traffic Engineering, University of Belgrade (Serbia)*

Čampara, Leo; Hasanspahić, Nermin; Vujičić, Srđan: Overview of Marpol Annex VI Regulations for prevention of air pollution from Marine Diesel Engines, Global Maritime Conference, GLOBMAR, Sopot/Poland2018. - Organisation: *University of Gdansk, Institute of Maritime transport and Seaborne trade (Poland)*

Vujičić, Srđan; Hasanspahić, Nermin; Čampara, Leo: Causes and Consequences of Maritime Accidents in the Past Decade, NAVSUP 2018, Gdynia/Poland 2018 - Organisation: *Polish Naval Academy (Poljska)*

Vujičić, Srđan; Hasanspahić, Nermin; Gundić, Ana, Hrdalo Niko: Assessment for Adequately Qualified Instructors in Maritime education and training Institutions, Athens Institute for Education and Research, 5th Annual International Conference on Transportation, ATINER Conference paper Series, N Athens/Greece, June 2019 - Organisation: Athens Institute for Education and Research *(Greece)*

Hasanspahić, N.; Vujičić S.; Čampara L.; Hrdalo N.; Analysis of Cargo Ship Accidents in the Past Decade, International Conference of Maritime science & Technology NAŠE MORE 2019, University of Dubrovnik, Maritime department, 17-18 October 2019., Dubrovnik, Croatia.

Car M.; Vujičić S.; Žuškin S.; Brčić D.; Human Machine interface: Interaction of OOWs with the ECDIS System, International Conference of Maritime science & Technology NAŠE MORE 2019, University of Dubrovnik, Maritime department, 17-18 October 2019., Dubrovnik, Croatia.

Vukičević M.; Bogdanović M.; Kovač D.; Vujičić S.; Prospective jobs for Montenegrin Seafarers in the Epicontinental area of Montenegro; International Conference of Maritime science & Technology NAŠE MORE 2019, University of Dubrovnik, Maritime department, 17-18 October 2019., Dubrovnik, Croatia.

Car, M.; Kristić M.; Hasanspahić N.; Vujičić, S. : Surface CurrentT Routing as a part of a Voyage Planning optimisation in shipping; *14th Annual Baška GNSS Conference & 1st Workshop on Smart, Blue and Green Technologies, Baška, Krk, Island, Croatia,10 – 12 May 2021*

Krmek, Ivica; Biočić, Tonći; Vujičić, Srđan; Hasanspahić, Nermin: SWOT analysis of ship energy efficiency management plan (SEEMP) // 2nd International Conference of Maritime Science and Technology NAŠE MORE 2021 Conference Proceedings, str. 99-109 (predavanje, međunarodna recenzija, cjeloviti rad (in extenso), znanstveni

Hasanspahić, Nermin; Vujičić, Srđan; Frančić, Vlado; Car, Maro: Analysis of near-miss events onboard ships // 2nd International Conference of Maritime Science and Technology NAŠE MORE 2021 Conference Proceedings str. 203-214 (predavanje, međunarodna recenzija, cjeloviti rad (in extenso), znanstveni)

Vujičić, S.; Hasanspahić, N.; Gundić, A.; Maglić, L.; The Factors Affecting the MET Instructors’ Efficiency, IAMU-AGA 21; 26 to 28 Oct. 2021 Alexandria, Egypt

Gundić, Ana; Vujičić, Srđan, Maglić Livia, Zec, Damir: Redefined Defined of the STCW Competences, IAMU-AGA 21; 26 to 28 Oct. 2021 Alexandria, Egypt

*Vujičićͥ, Srđan; Hrnić, Martina; Đurđević Tomaš, Ivica; Hasanspahić, Nermin; Vojković, Lea: Instructor, Supervisor, Assessor – Are Their Roles Defined in Met Institutions?, 1st Kotor International Maritime Conference, KIMC 2021*

**RADOVI KOJI SU PRIHVAĆENI NA SKUPOVIMA**

*The following abstracts/papers have been accepted for presentation at the upcoming conferences:*

*Vujičić Srđan.; Hasanspahić Nermin.; Gundić Ana.; Čampara Leo.: Distributed ledger technology in shipping as a means of environmental sustainability, 6th Annual International Conference on Transportation, 1-4 June 2020, Athens, Greece - Organisation: Athens Institute for Education and Research (Greece) – COVID19 - postponed*

*Vujičić, Srđan; Hrnić, Martina; Hasanspahić, Nermin: FROM COMFORT ZONE TO GROWTH ZONE IN THE CONTEXT OF MARITIME EDUCATION AND TRAINING, 8th Annual International Conference on Transportation, 30-31 May & 1-2 June 2022, Athens, Greece*

**RADOVI KOJI SU PRIHVAĆENI ZA PUBLICIRANJE U ČASOPISIMA , ALI ČEKAJU NA OBJAVU:**

Manuscript ID: sustainability-1525159

Type of manuscript: Article

Title: Improving Safety Management through Analysis of Near-Miss Reports - a Tanker Ship Case Study

Authors: Nermin Hasanspahić \*, Srđan Vujičić, Miho Kristić, Mario Mandušić

Received: 9 December 2021

**RADOVI NA RECENZIJI:**

JOMA-D-21-00113

Re: ANALYSIS OF FACTORS INFLUENCING THE EFFECTIVENESS OF MET INSTRUCTORS

Authors: Srđan Vujičić\* , Nermin Hasanspahić, Ana Gundić, Lovro Maglić

**RADOVI U PRIPREMI**

*The following papers are to be submitted for publication, research is in progress:*

Vojković L.; Vujičić S.; Vujević J.; Lovrinčević D.; Inaccurate depth data represented on nautical charts