

Extended Reference List

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58. Ante Šestan, Mladen Gomerčić, Boris Ljubenkov, Nikola Vladimir.
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- International Conference on Innovative Technologies IN-TECH 2010*, ISBN: 978-80-904502-2-6, J. Kudlaček, B. Barišić, X. Velay, K. Ohkura (eds.), Prague, Czech Republic, September 2010. pp. 80–83.
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60. Ante Šestan, Boris Ljubenkov, Nikola Vladimir.
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61. Nastia Degiuli, Andreja Werner, Nikola Vladimir, Mate Grgić.
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13th Congress of International Maritime Association of Mediterranean – IMAM 2009, ISBN: 978-975-561-356-7, O. Goren, B. Okan, S.C. Karakas (eds.), Istanbul, Turkey, October 2009. pp. 299–305.
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65. Ante Šestan & Nikola Vladimir.
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66. Ivo Senjanović, Stipe Tomašević, Smiljko Rudan, Marko Tomić, Nikola Vladimir, Šime Malenica.
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2. Nikola Vladimir, Marija Koričan, Dario Omanović, Vladimir Soldo, Neven Hadžić.
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- Abstract Book of the Aquaculture Europe 2021 Conference*, Funchal, Madeira, Portugal, October 2021. pp. 1357–1358.
3. Nikola Vladimir, Maja Perčić, Ivana Jovanović, Marija Koričan.
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Proceedings of the 3rd International Scientific Conference “Sustainable and Efficient Use of Energy, Water and Natural Resources”, ISBN: 978-5-7577-0647-4, St. Petersburg, Russia, April 2021. pp. 208–209. (Participation in online mode).
 4. Ivo Senjanović & Nikola Vladimir.
Seismic Design of Emergency Machinery Foundation for Nuclear Power Plants.
Proceedings of 1st Croatian Conference on Earthquake Engineering - 1CroCEE, ISBN: 978-953-8168-47-5, S. Lakušić, J. Atalić (eds.), Zagreb, Croatia, March 2021. pp. 1427–1430. (Participation in online mode).
 5. Nikola Vladimir, Maja Perčić, Marija Koričan.
Environmental Trends in Shipping - Opportunities for Next Generation Energy Storage and Conversion Technologies. (invited by: Prof. Oi Lun Helena Li)
International Symposium on Hybrid Materials and Processing (HyMaP 2020), Busan, Korea, November 2020. pp. 43. (Participation in online mode).
 6. Marija Koričan, Nikola Vladimir, Maja Perčić, Vladimir Soldo, Neven Hadžić.
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 7. Nikola Vladimir, Ivica Ančić, Marina Tošić, Dae-Seung Cho.
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11th Europe-Korea Conference on Science and Technology, Glasgow, Scotland, August 2018., Abstract No. 97.
 8. Ivo Senjanović, Nikola Vladimir, Marko Tomić, Neven Hadžić.
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 9. Ivo Senjanović & Nikola Vladimir.
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 10. Ivo Senjanović, Šime Malenica, Nikola Vladimir.
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 11. Ivo Senjanović, Nikola Vladimir, Neven Hadžić, Marko Tomić, Šime Malenica.
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2. Ivo Senjanović, Nikola Vladimir, Marko Tomić, Šime Malenica.
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3. Ivo Senjanović, Nikola Vladimir, Neven Hadžić, Marko Tomić.
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2. Ivo Senjanović, Nikola Vladimir, Marko Tomić, Neven Hadžić, Stipan Šoda-Cotić.
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Proceedings of the 22nd SORTA Symposium, ISSN: 2459-6566, N. Degiuli et al. (eds.), Trogir, Seget Donji, Croatia, October 2016. pp. 257–269.
3. Ivica Ančić, Ante Šestan, Nikola Vladimir.
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5. Neven Hadžić, Marko Tomić, Ivo Senjanović, Nikola Vladimir.
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6. Ivo Senjanović, Nikola Vladimir, Šime Malenica, Dae-Seung Cho, Sun Hong Kwon, Young Myung Choi.
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7. Željko Čosić, Nikola Vladimir, Ivan Čatipović.
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8. Ivan Burazer, Ante Šestan, Ivica Ančić, Nikola Vladimir.
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9. Ivo Senjanović, Nikola Vladimir, Neven Hadžić.
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10. Ivica Ančić, Ante Šestan, Nikola Vladimir.
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11. Ivo Senjanović, Većeslav Čorić, Nikola Vladimir.
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12. Ivo Senjanović, Neven Hadžić, Marko Tomić, Nikola Vladimir.
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- Fourth Conference on Marine Technology in memoriam of the academician Zlatko Winkler*, ISSN: 1848-3976, I. Rožanić (ed.), Rijeka, Croatia, November 2011. pp. 94–107.
13. Ivo Senjanović, Nikola Vladimir, Marko Tomić, Neven Hadžić.
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Proceedings of the 19th SORTA Symposium, R. Markovina, K. Žiha, B. Blagojević (eds.), Lumbarda, Korčula, Croatia, October 2010. pp. 429–439.
 14. Nikola Vladimir, Ivan Čatipović, Većeslav Čorić, Ivo Senjanović.
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Third Conference on Marine Technology in memoriam of the academician Zlatko Winkler, ISBN: 978-953-6326-17-4, I. Rožanić (ed.), Rijeka, Croatia, November/December 2009. pp. 270–283.
 15. Ivo Senjanović, Marijana Šošić, Duje Brajević, Nikola Vladimir, Kalman Žiha.
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Proceedings of the 18th SORTA Symposium, ISBN: 978-953-6313-95-2, Ž. Sladoljev, D. Jambrošić (eds.), Pula, Croatia, October 2008. pp. 279–288.
 16. Nikola Vladimir & Ivo Senjanović.
Analysis of Sloshing in a New Generation Oil Tanker. (in Croatian)
Proceedings of the 18th SORTA Symposium, ISBN: 978-953-6313-95-2, Ž. Sladoljev, D. Jambrošić (eds.), Pula, Croatia, October 2008. pp. 505–512.

Edited Proceedings & Books

1. **Ivo Senjanović – Scientific Contribution to the Development of Ship and Offshore Structures.**
Editors: Neven Hadžić, Nikola Vladimir, Šime Malenica, Published by: University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, June 2020, ISBN: 978-953-7738-70-9, 810 pages.
2. **Proceedings of the 7th International Conference on Hydroelasticity in Marine Technology.**
Held in Split, Croatia, September 2015, Editors: Šime Malenica, Nikola Vladimir, Ivo Senjanović, Published by: Vidici d.o.o., ISBN: 978-953-95746-2-6, 788 pages.
3. **Proceedings of the 2nd International Workshop on Springing & Whipping of Ships.**
Held in Split, Croatia, November 2012, Editors: Šime Malenica, Nikola Vladimir, Ivo Senjanović, Published by: Vidici d.o.o., ISBN: 978-953-95746-1-8, 195 pages.

Selected Technical Consultancy, JRP/JDP and Industry Collaboration Reports

1. Nikola Vladimir & Ivo Senjanović.
Local Strength Assessment of the Tanker Forecastle Deck Structure Subjected to Towing Loads.
June 2021., Client/Sponsor: Adriatic Tank Terminals d.o.o., Ploče, Croatia.
2. Nikola Vladimir & Ivo Senjanović.
Strength Assessment of a Single-Bottom Tanker in Towing Condition on Ploče (Croatia) - Izmir (Turkey) Route.
May 2021., Client/Sponsor: Adriatic Tank Terminals d.o.o., Ploče, Croatia.
3. Ivo Senjanović & Nikola Vladimir.
Evaluation of Structural Integrity of Diesel Generator Base Frame and its Elastic Supports Subjected to Static and Dynamic Loads.
February 2020., Client/Sponsor: Adriadiesel d.d., Karlovac, Croatia.
4. Ivica Ančić, Maja Perčić, Nikola Vladimir.
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July 2019., Client/Sponsor: Republic of Croatia, Ministry of the Sea, Transport and Infrastructure, Zagreb, Croatia.
5. Ivan Čatipović & Nikola Vladimir.
Assessment of Stern Slamming Occurrence Probability for a Motor Yacht.
November 2017., Client/Sponsor: CADCON d.o.o., Pula, Croatia.
6. Nikola Vladimir & Ivo Senjanović.
Vibration Analysis of Ro-Ro Ship, Yard No. 531.
October 2017., Client/Sponsor: Uljanik d.d., Pula, Croatia.

7. Neven Hadžić, Ivo Senjanović, Nikola Vladimir.
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October 2017., Client/Sponsor: Uljanik d.d., Pula, Croatia.
8. Nikola Vladimir & Ivo Senjanović.
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July 2017., Client/Sponsor: Adriatic Tank Terminals d.o.o., Ploče, Croatia.
9. Ivo Senjanović & Nikola Vladimir.
Excessive Vibration Analysis of Car Carrier, Yard No. 513.
May 2017., Client/Sponsor: Uljanik d.d., Pula, Croatia.
10. Nikola Vladimir & Ivo Senjanović.
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April 2017., Client/Sponsor: Adriatic Tank Terminals d.o.o., Ploče, Croatia.
11. Nikola Vladimir & Neven Hadžić.
Noise Prediction on Board Cutter Suction Dredger, Yard No. 500.
March 2017., Client/Sponsor: Uljanik Shipyard, Pula, Croatia.
12. Nikola Vladimir.
Springing and Whipping Analysis of HHI SkyBench™ Container Carrier.
October 2015., Client/Sponsor: Hyundai Heavy Industries Co., Ltd., Ulsan, South Korea.
13. Nikola Vladimir & Ivo Senjanović.
Vibration Analysis of a 49500 dwt Chemicals and Oil Products Carrier, Yard No. 325/326.
September 2014., Client/Sponsor: Brodotrogir Shipyard, Trogir, Croatia.
14. Nikola Vladimir & Ivo Senjanović.
Study into Discrepancy of Estimated and Built-in Weights for a Ro-Ro Passenger Ship, Yard No. 503. (in Croatian)
July 2014., Client/Sponsor: Uljanik Shipyard, Pula, Croatia.

Conferences, Meetings etc.

1. Member of the International Organizing Committee – **Global Conference on Naval Architecture and Ocean Engineering – G-NAOE 2022**, Organized by: The Society of Naval Architects of Korea (SNAK), November 2022, Changwon, South Korea.
2. Member of the Programme Committee – **1st Kotor International Maritime Conference – KIMC 2021**, Organized by: Faculty of Maritime Studies in Kotor, November 2021, Kotor, Montenegro.
3. Member of the Technical Advisory Panel – **2nd International Conference on Smart & Green Technology for Shipping and Maritime Industries – SMATECH 2019**, Organized by: ASRANet, July 2019, Glasgow, UK.
4. Member of the Organizing Committee and Programme Committee– **8th International Maritime Science Conference – IMSC 2019**, Organized by: Faculty of Maritime Studies in Kotor & Faculty of Maritime Studies in Split, April 2019, Budva, Montenegro.
5. Co-organizer – **Naval Hydro Workshop**, Organized by: University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture (H. Jasak & N. Vladimir), January 2019, Zagreb, Croatia.
6. Committee Member at **20th International Ship and Offshore Structures Congress (ISSC)**, September 2018, Liege, Belgium & Amsterdam, The Netherlands.
7. Organizer of **2nd meeting of the Dynamic Response Committee, International Ship and Offshore Structures Congress (ISSC)**, November 2016, Centre for Advanced Academic Studies (CAAS), Dubrovnik, Croatia.
8. Observer at **19th International Ship and Offshore Structures Congress (ISSC)**, September 2015, Cascais, Portugal.
9. Member of the Organizing Committee – **7th International Conference on Hydroelasticity in Marine Technology**, Organized by: Bureau Veritas, Paris and University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, September 2015, Split, Croatia.
10. Member of the International Scientific Committee – **18th International Conference on Ships and Shipping Research – NAV 2015**, Organized by: Italian Association of Marine Engineering (ATENA), June 2015, Lecco, Italy.
11. Member of the Organizing Committee – **2nd International Conference on Springing & Whipping of Ships**, Organized by: Bureau Veritas, Paris and University of Zagreb,

November 2012, Split, Croatia.

Lectures, Seminars, Presentations, Talks etc.

1. Nikola Vladimir, Marija Koričan, Dario Omanović, Loukia Prentza, Eirini-Asimina Stamatopoulou, Nikolaos Ventikos.
Water Quality Monitoring and Marine Pollution Control: A Case Study of Fish Farm in Krka River, Croatia.
Presentation – 1st Kotor International Maritime Conference (KIMC 2021), Kotor, Montenegro, November 26-27, 2021.
2. Nikola Vladimir, Andro Bakica, Maja Perčić, Ivana Jovanović.
Analysis of Technical Properties of Small Passenger Vessels in the Mediterranean Sea with Overview of Future Market Needs.
Presentation – 1st Kotor International Maritime Conference (KIMC 2021), Kotor, Montenegro, November 26-27, 2021.
3. Nikola Vladimir.
Development and Implementation of Innovative Early Warning Systems for Marine Pollution for the Croatian Aquaculture Sector.
Invited Talk – 6th Forum of the EU Strategy for the Adriatic and Ionian Region (EUSAIR): Along the Coasts of the Shared Sea, Izola, Slovenia, May 11-12, 2021. (Participation in online mode).
4. Ivo Senjanović, Nikola Vladimir, Šime Malenica.
An Overview of Ship Hydroelasticity.
Invited Plenary Lecture – 7th International Conference on Marine Structures – MARSTRUCT 2019, Dubrovnik, Croatia, May 2019.
5. Nikola Vladimir.
Application of Finite Element Analysis to Ship Structural Design.
Seminar – Department of Mechanical Engineering, University of Ulsan, Ulsan, Korea, October 15, 2018. (invited by: S.J. Chu)
6. Nikola Vladimir.
Energy Efficiency and Environmental Effects of Ships with Respect to new IMO Regulations.
Seminar – Division of Naval Architecture and Ocean Systems Engineering, Korea Maritime and Ocean University, Busan, Korea, October 12, 2018. (invited by: S.J. Lee)
7. Nikola Vladimir, Ivo Senjanović, Neven Alujević.
Use of Aged Tankers as Offshore and Port Oil Storages.
Invited Talk – Offshore Korea Technical Conference “New Normal: Challenge and Response”, Busan, Korea, October 10, 2018.
8. Nikola Vladimir.
Use of Aged Tankers to Increase Offshore and Port Oil Storage Capacities – Practical Example.
Seminar – Subsea cable Umbilical Riser Flowline Research and Development Center (SURF), Mokpo National University, Mokpo, Korea, October 08, 2018. (invited by: C.S. Shim)
9. Nikola Vladimir.
CSF Installation Research Project Green Modular Passenger Vessel for Mediterranean (GRiMM). (in Croatian)
Invited Talk – Annual General Meeting of the Scientific Council for Maritime Affairs, Croatian Academy of Sciences and Arts, Zagreb, Croatia, March 16, 2018.
10. Nikola Vladimir.
Strength Evaluation of Ships & Offshore Floating Units within Direct Calculation Approach.
Seminar – Subsea cable Umbilical Riser Flowline Research and Development Center (SURF), Mokpo National University, Mokpo, Korea, October 20, 2017. (invited by: C.S. Shim)
11. Nikola Vladimir.
Strength Evaluation of Large Ships within Direct Calculation Approach.
Seminar – Division of Naval Architecture and Ocean Systems Engineering, Korea Maritime and Ocean University, Busan, Korea, October 17, 2017. (invited by: S.J. Lee)
12. Nikola Vladimir.
Strength Evaluation of Large Ships within Direct Calculation Approach.
Seminar – Department of Naval Architecture and Ocean Engineering, Pusan National

- University, Busan, Korea, October 16, 2017. (invited by: K.H. Jung)
13. Šime Malenica, Nikola Vladimir.
Hydro-Structure Interactions for Off-Shore and Naval Applications, Tools and Methodologies.
Seminar – University of Naples Federico II (Dipartimento di Ingegneria industriale), Naples, Italy, February 16 & 17, 2017. (invited by: E. Begović)
 14. Nikola Vladimir.
Evaluation of Structural Design of Large Ships by Direct Calculations.
Seminar – Department of Naval Architecture and Ocean Engineering, Pusan National University, Busan, Korea, February 01, 2017. (invited by: D.S. Cho)
 15. Nikola Vladimir.
Overview of Recent Developments in the Field of Naval Architecture at UNIZAG FSB with Emphasis to Advanced Vibration Analyses of Ships.
Lecture – University of Montenegro, Maritime Faculty of Kotor, Kotor, Montenegro, November 15, 2016. (supported by ERASMUS+ mobility programme).
 16. Nikola Vladimir.
Design of Ultra Large Ships Based on Direct Calculation Methodologies.
Seminar – Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea, January 22, 2016. (invited by: K.H. Lee)
 17. Nikola Vladimir.
Studies on the Advanced Hydroelastic Analysis for Marine Structures.
Seminar – Hyundai Heavy Industries Co., Ltd., Ulsan, Korea, January 18, 2016. (invited by: H.I. Im)
 18. Young Myung Choi, Šime Malenica, Nikola Vladimir, Charaf Ouled Housseine, Sun Hong Kwon.
Hydroelasticity Analysis for Bottom-Mounted Vertical Circular Cylinder by Considering Sloshing Effect.
Talk – 2015 Summer Workshop of Ship & Offshore Fluid Research Committee – SNAK Korea, Jeju-do, Korea, September 17, 2015.
 19. Nikola Vladimir, Marko Tomić, Ivo Senjanović.
Mathematical Model of Ship Structure with its Application in the Hydroelastic Analysis. (in Croatian)
Lecture – Scientific Meeting “Advanced Methods in Design of Ultra Large Ships – Overview of EU FP7 Project TULCS (Tools for Ultra Large Container Ships) Outcomes”, Croatian Academy of Sciences and Arts, Zagreb, Croatia, May 30, 2014.
 20. Nikola Vladimir, Ivo Senjanović, Šime Malenica.
Science and Industry in the Field of Naval Architecture in South Korea. (in Croatian)
Invited Talk – Annual General Meeting of Scientific Council for Maritime Affairs, Croatian Academy of Sciences and Arts, Zagreb, Croatia, March 28, 2014.
 21. Nikola Vladimir.
Hydroelasticity of Ship Structures – Development and Application of Beam and 3D Hydroelastic Models.
Lecture - University of Ulsan, School of Naval Architecture and Ocean Engineering, Ulsan, Korea, January 22, 2014. (invited by: W.C. Koo)
 22. Ante Šestan, Nikola Vladimir, Ivica Ančić.
Energy Efficiency Design Index (EEDI) and Ship Energy Efficiency Management Plan (SEEMP). (in Croatian)
One-day Seminar – University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, February 08, 2013.
 23. Nikola Vladimir.
Hydroelastic Analysis of Ship Structures.
Seminar - Department of Naval Architecture and Ocean Engineering, Pusan National University, Busan, Korea, January, 2013. (invited by: S.H. Kwon & D.S. Cho)
 24. Nikola Vladimir.
Hydroelasticity of Ships and Offshore Structures – Selected Issues. (in Croatian)
Lecture - Croatian Society of Mechanics, Zagreb, Croatia, April 19, 2012. (invited by: H. Kozmar)

Other Public Events/Activities

1. Participation at Panel Discussion on:
Green Transition of Islands through Environmentally Sustainable Maritime

Transportation.

Organized by the Public Institution Development Agency of Šibenik- Knin County within the Conference on Sustainable Innovations in Blue Sector, Šibenik, Croatia, May 20, 2022.

Supervision of theses

1. Lovro Ante Rebić.
Analysis of Energy Efficiency of Fishing Vessels. (in Croatian)
M.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, December 17, 2021.
2. Antonio Perašin.
Experimental Determination of Working Characteristics of a Centrifugal Pump. (in Croatian)
M.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, July 16, 2021.
3. Davor Piljić.
Hydrogen as an Alternative Fuel in Ship Power Systems. (in Croatian)
M.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, December 04, 2020.
4. Tomislav Brajko.
Response of a Vertical Cylinder Subjected to Hydrodynamic Loading. (in Croatian)
B.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, September 24, 2020.
5. Ivan Vujnović.
Usage of Alternative Fuels in Marine Power Systems. (in Croatian)
B.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, September 24, 2020.
6. Ita Kajfeš.
Comparative Analysis of Energy Efficiency Design and Operational Indexes of a Ro-Ro Passenger Ship. (in Croatian)
B.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, September 23, 2020.
7. Vinko Fabris.
Carbon Footprint Assessment of a Ferry. (in Croatian)
B.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, September 23, 2020.
8. Peevesh Sharma Gungadin.
Analysis of Carbon Footprint of an Inland Waterway Passenger Ship. (in Croatian)
M.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, July 14, 2020.
9. Hrvoje Brečić.
Free Vibration Analysis of Ship Energy Saving Devices. (in Croatian)
M.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, July 14, 2020.
10. Juraj Trogrlić.
Life Cycle and Cost Assessment of Different Power System Configurations of a Passenger Ship. (in Croatian)
M.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, July 13, 2020.
11. Mateo Jelić.
Carbon Footprint Assessment of a Purse Seiner. (in Croatian)
B.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, February 27, 2020.
12. Davor Piljić.
Energy Efficiency Design Index of a Bulk Carrier. (in Croatian)
B.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, March 01, 2019.
13. Ante Rosandić.
Hydroelastic Response of 19000 TEU Ultra Large Container Ship According to the WhiSp Methodology. (in Croatian)
M.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, December 07, 2018.

14. Marko Mikulec.
Application of the Hybrid Statistical Energy Analysis in the Noise Level Assessment on Board Ships. (in Croatian)
M.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, July 12, 2018.
15. Hana Tudor.
Techno-Economic Assessment of New Marine Engine Development with High Noise and Vibration Performance.
M.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, July 21, 2017.
16. Ivan Lončar.
Noise Prediction on Board Ro-Ro Passenger Ship. (in Croatian)
M.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, July 21, 2017.
17. Hrvoje Brečić.
Energy Efficiency Design Index of HHI SkyBench™ 19000 TEU Ultra Large Container Ship. (in Croatian)
B.Sc. thesis, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia, March 02, 2016.

Research & Development Projects

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|-------------------|---|
| 01/2022 – 02/2023 | Research Center for Intelligent, Innovative, Environmentally Friendly and Sustainable Mariculture (INTEL-MARIC) , granted by the Ministry of Agriculture, Directorate of Fisheries, Republic of Croatia and co-funded by the European Maritime and Fisheries Fund of the European Union (Award No. UP/I-324-01/21-01/385), Principal Investigator: N. Vladimir (UNIZAG FSB). |
| 2022 | Dynamics of Active and Rotating Structures , Short-term research grant for year 2022 approved by University of Zagreb (No. 0230-10-2), Principal Investigator: N. Alujević (UNIZAG FSB). |
| 2021 | Dynamics of Active and Rotating Structures , Short-term research grant for year 2021 approved by University of Zagreb (No. 0230-10-2), Principal Investigator: N. Alujević (UNIZAG FSB). |
| 2021 | Dynamics of Active and Rotating Structures , Short-term research grant for year 2021 approved by University of Zagreb (No. 0230-10-2), Principal Investigator: N. Alujević (UNIZAG FSB). |
| 12/2020 – 12/2023 | Improvement of High-Efficiency Welding Technology (ImproWE) , granted by the European Regional Development Fund (ERDF), Operational programme Competitiveness and Cohesion 2014-2020, Priority axis: Strengthening the Economy through Research and Innovation (No. KK.01.1.1.1.07.0076), Principal Investigator: Z. Tonković (UNIZAG FSB). |
| 11/2020 – 10/2024 | Young Researchers' Career Development Project – Training New Doctoral Students , Croatian Science Foundation (Call No. DOK-2020-01), Principal Investigator: N. Vladimir (UNIZAG FSB). |
| 09/2020 – 09/2023 | Development of LNG System for the Ships Powered by Dual Fuel Engines (FO/LNG) , granted by the European Regional Development Fund (ERDF), Operational programme Competitiveness and Cohesion 2014-2020, Priority axis: Strengthening the Economy through Research and Innovation (No. KK.01.2.2.03.0022), Principal Investigator: V. Slapničar (UNIZAG FSB). |
| 04/2020 – 09/2022 | Sector Adaptive Virtual Early Warning System for Marine Pollution (SEAVIEWS) , INTERREG ADRION Project, Coordinator: N. Ventikos NTUA, Greece, Principal Investigator at UNIZAG FSB: N. Vladimir. |
| 01/2020 – 12/2022 | Energy Efficient and Environmentally Friendly Power System Options for Inland Green Ships , Croatian-Chinese Bilateral Project with Wuhan University of Technology (WUT), funded by Ministry of Science and Education of Croatia, Principal Investigators: N. Vladimir (UNIZAG FSB) & A. Fan (WUT). |
| 01/2020 – 04/2022 | Autonomous Auxiliary Fishing Vessel (APROPO) , granted by the Ministry of Agriculture, Directorate of Fisheries, Republic of Croatia and co-funded by the European Maritime and Fisheries Fund of the European Union (Award No. 324-01/19-01/968), Principal Investigator: N. Vladimir (UNIZAG FSB). |
| 01/2020 – 12/2021 | Integration of High Share of Renewables into the Aquaculture Systems (IN AQUA) , granted by the Ministry of Agriculture, Directorate of Fisheries, Republic |

- of Croatia and co-funded by the European Maritime and Fisheries Fund of the European Union (Award No. 324-01/19-01/1178), Principal Investigator: N. Vladimir (UNIZAG FSB).
- 2020 **Dynamics of Active and Rotating Structures**, Short-term research grant for year 2020 approved by University of Zagreb (No. 0230-10-1), Principal Investigator: N. Alujević (UNIZAG FSB).
- 02/2019 – 12/2019 **Structural Integrity of the Energy Saving Devices (ESD) of the type Pre-Swirl Stator (PSS) and Flow Control Fin (FCF)**, Joint Research Project with Hyundai Heavy Industries Co., Ltd., Ulsan, Republic of Korea, Principal Investigator: N. Vladimir (UNIZAG FSB).
- 2019 **Aquaculture Systems with high Share of Renewably Energy Sources**, Short-term research grant for year 2019 approved by University of Zagreb (No. 0650-10-4), Principal Investigator: N. Vladimir (UNIZAG FSB).
- 10/2018 – 09/2022 **Young Researchers' Career Development Project – Training New Doctoral Students**, Croatian Science Foundation (Call No. DOK-01-2018), Principal Investigator: N. Vladimir (UNIZAG FSB).
- 03/2018 – 02/2023 **Green Modular Passenger Vessel for Mediterranean (GRiMM)**, Croatian Science Foundation (No. UIP-2017-05-1253), Principal Investigator: N. Vladimir (UNIZAG FSB).
- 2018 **Design of LNG Ships – Development of Design Tools and Methodologies for Direct Calculations**, Short-term research grant for year 2018 approved by University of Zagreb (No. 0650-10-3), Principal Investigator: N. Vladimir (UNIZAG FSB).
- 04/2017 – 03/2021 **Wind and Sea Loads on Energy Structures (WESLO)**, Croatian Science Foundation (No. 2016-06-2017), Principal Investigator: H. Kozmar (UNIZAG FSB).
- 2017 **Advanced Design Models for the Liquefied Natural Gas Carriers with High Level of Safety and Energy Efficiency**, Short-term research grant for year 2017 approved by University of Zagreb (No. 0650-10-2), Principal Investigator: N. Vladimir (UNIZAG FSB).
- 2016 **Safety, Energy Efficiency and Environmental Eligibility of Liquefied Natural Gas Carriers**, Short-term research grant for year 2016 approved by University of Zagreb, Principal Investigator: N. Vladimir (UNIZAG FSB).
- 03/2015 – 09/2015 **Springing and Whipping Analysis of HHI SkyBench™ Container Carrier**, Joint Research Project with Hyundai Heavy Industries Co., Ltd., Ulsan, Republic of Korea, Principal Investigator: N. Vladimir (UNIZAG FSB).
- 2015 **Wind Effects on Structures and Vehicles**, Short-term research grant for year 2015 approved by University of Zagreb (Application No. TP067), Principal Investigator: H. Kozmar (UNIZAG FSB).
- 09/2011 – 02/2021 **Technology for Onboard Equipment-Induced Underwater Radiated Noise Analysis and Evaluation**, funded by Global Core Research Center for Ships and Offshore Plants (GCRC-SOP) – Republic of Korea (No. 2011-0030669), Principal Investigator: D.S. Cho, Pusan National University, Principal Investigator at UNIZAG FSB: N. Vladimir.
- 06/2009 – 11/2012 **Tools for Ultra Large Container Ships (TULCS)**, EU FP7 Project (No. 234146), Coordinator: Š. Malenica, Bureau Veritas, Paris, France, Principal Investigator at UNIZAG FSB: I. Senjanović.
- 06/2008 – 10/2013 **Load and Response of Ship Structures**, funded by the Croatian Ministry of Science, Education and Sports (No. 120-1201703-1704), Project Leader: I. Senjanović (UNIZAG FSB).

Other Projects

- 06/2020 – 12/2022 **Network of Fishermen Organizations and Research Institutions (MORZ)**, granted by the Ministry of Agriculture, Directorate of Fisheries, Republic of Croatia and co-funded by the European Maritime and Fisheries Fund of the European Union (Award No. 324-01/20-01/1249), Project Leader: N. Vladimir (UNIZAG FSB).
- 03/2019 – 09/2021 **Innovations in Entrepreneurship through Education about European Structural and Investment Funds (ESIFIP)**, Project funded by the European Social Fund, (No. UP.01.3.1.01.0046), Project Leader: I. Ančić / N. Vladimir (UNIZAG FSB).

03/2013 – 06/2014 **Inclusion for Employment** (Engagement of Experts to design Syllabi, Teaching and Learning Resources of Malta College of Arts, Science and Technology and to produce course packs), EU ESF Project (funded by the European Social Fund), (No. ESF 3.102), Key Expert for Maritime Industry: N. Vladimir (UNIZAG FSB).