

*Univerza v Ljubljani*



**Hochschule  
Flensburg**  
University of  
Applied Sciences



**Sveučilište u Zadru**  
Universitas Studiorum  
Jadertina | 1396 | 2002 |

**University of Ljubljana, Kongresni trg 12, 1000 Ljubljana,  
Slovenia**

**Flensburg University of Applied Sciences, Kanzleistr. 91-93,  
24943 Flensburg, Germany**

**University of Zadar, Mihovila Pavlinovića 1, 23000 Zadar,  
Croatia**

**Joint International Master Programme in Maritime  
Management**

**Teachers**

<b>Flensburg University of Applied science</b>	<b>University of Ljubljana Faculty of Maritime studies and Transport</b>	<b>University of Zadar</b>
Marcus Brandenburg	Milan Batista	Mate Barić
Alexander Deseniss	Aleksander Sandro Grm	Toni Bielić
Martin Klem	Blaž Luin	Božena Bulum
Thorsten Kümper	Marko Perković	Luka Grbić
Sander Limant	Maja Stojaković	Josip Orović
Volker Looks	Elen Twrdy	Marija Pijaca
Nelly Oelze	Peter Vidmar	Marko Valčić
Rom Rabe	Marina Zanne	Dino Županović
Wiktorija Vieth		

## Lecturer - CV

Lecturer	Status at University	Main profession (Indication only for invited lecturers)	Teaching areas
Prof. Dr. habil. Marcus Brandenburg	Professor	n.a.	Logistics, Operations Management / Research, Supply Chain Management, Product management, Purchasing & Procurement
<b>Academic career</b>			
Nr.	Academic degree , appointed position in research or academic career	Institution/ Place	Year
1	Professor	University Flensburg	Since 2017
2	Associate Professor	University Kassel, Department of Economics	2016 (Degree)
3	Habilitation	University Kassel, Department of Economics	2016 (Degree)
4	Promotion	University Kassel, Department of Economics	2011 (Degree)
5	Diploma	Christian-Albrechts-University of Kiel, Faculty of Mathematics and Natural Sciences, Department of Mathematics	1999 (Degree)
<b>Professional qualifications: none other than the academic degree</b>			
None other than the academic degree			
<b>Employment</b>			
Nr.	Description	Institution / Place	Year
1	Logistics and SCM Professor	University Flensburg, Department of Economy 4	Since 2017
2	Temporary academic council	University Kassel, Department of Economics	2012-2017
3	Visiting professorship with chair representation	TU Berlin, Field : Productsmanagement (Faculty of Economy & Management)	2013-2015
4	Various positions in Finance und Supply Chain fields	Beiersdorf AG, Hamburg	2004-2011
5	Management Consultant	Roland Berger Strategy Consultants GmbH, CC „Operat. Strategy“	2003-2004
6	Head of Department for “Supply Chain Optimization”	Bayer AG, Bayer Technology Services GmbH	1999-2003
7	Military Service	German Navy , Eckernförde, Flensburg, Olpenitz	1992-1993
<b>Research and development projects of the last 5 years (selection, max. 5 specifying)</b>			
none			
<b>Further education of the last 5 years (selection, max. 5 specifying)</b>			
none			
<b>Publications, speeches of the last 5 years (selection, max. 5 specifying)</b>			
Nr.	Description	Type and place of publications	Year
35 scientific publications (thereof 19 in magazines with assessment procedure) as well as 17 articles in conference transcripts and 43 lectures at scientific conferences. (comp. publications list)			
<b>Date from the last actualization</b>			
02. Mai 2020			

## List of Publications

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Marcus Brandenburg  
ORCID: 0000-0001-8997-3949  
Scopus Author ID: 6701364108

Apr 2018

### Monographs

Brandenburg, M. (2013): *Quantitative Models for Value-Based Supply Chain Management*. Series: *Lecture Notes in Economics and Mathematical Systems*, Vol. 660, Springer, Berlin

### Edited books

Brandenburg, M.; Hahn, G. J.; Rebs, T.<sup>(s)</sup> (2018): *Social and Environmental Dimensions of Organizations and Supply Chains: Tradeoffs and Synergies*. Series: *Greening of Industry Network Studies*, Vol. 5; Springer, Berlin

Azevedo, S.; Brandenburg, M.; Carvalho, H.; Cruz-Machado, V. (2014): *Eco-Innovation and the Development of Business Models: Lessons from Experience and New Frontiers in Theory and Practice*. Series: *Greening of Industry Network Studies*, Vol. 2.; Springer, Berlin

### Papers in journals

Gruchmann, T.; Brandenburg, M. (forthcoming): Managing unreliability in automotive supply networks - An extension of the joint economic lot size model. *International Journal of Operational Research* \*

Brandenburg, M.; Hahn, G. (2018): Sustainable aggregate production planning in the chemical process industry – A benchmark problem and dataset. *Data in Brief*, DOI 10.1016/j.dib.2018.03.064 \*

Brandenburg, M. (2018): Supply network configuration – A benchmarking problem. *Chaos: An Interdisciplinary Journal of Nonlinear Science* 28, 033121, DOI 10.1063/1.5012085 \*

Hahn, G.; Brandenburg, M. (2018): A sustainable aggregate production planning model for the chemical process industry. *Computers & Operations Research* 94: 154-168 \*

Rebs, T.<sup>(s)</sup>; Brandenburg, M.; Seuring, S.; Stohler, M.<sup>(s)</sup> (2017): Stakeholder influences and risks in sustainable supply chain management: A comparison of qualitative and quantitative studies. *Business Research* DOI 10.1007/s40685-017-0056-9 \*

Brandenburg, M. (2017): A hybrid approach to configure eco-efficient supply chains under consideration of performance and risk aspects. *Omega – The International Journal of Management Science* 70: 58-76 \*

Seuring, S.; Yawar, S.; Brandenburg, M. (2016): Supply Chain Controlling für soziale Aspekte in globalen Wertschöpfungsketten. (Supply chain controlling for social aspects in global value chains.) *Controlling* 28(7): 397-402 \*\*

Brandenburg, M. (2016): Supply chain efficiency, value creation and the economic crisis – An empirical assessment of the European automotive industry 2002-2010. *International Journal of Production Economics* 171: 321-335 \*

Brandenburg, M.; Rebs, T.<sup>(s)</sup> (2015): Sustainable supply chain management: a modeling perspective. *Annals of Operations Research*, Vol. 229(1): 213-252\*

Brandenburg, M. (2015): Low carbon supply chain configuration for a new product – A goal programming approach. *International Journal of Production Research* 53(21): 6588-6610\*

\* full paper peer-reviewed

# abstract peer-reviewed

+ in German

<sup>(s)</sup> student under my supervision

- Brandenburg, M.; Kuhn, H.; Schilling, R.; Seuring, S. (2014): Performance- and value-oriented decision support for supply chain configuration – A discrete-event simulation model and a case study of an FMCG manufacturer. *Logistics Research* 7(1): 1-16\*
- Brandenburg, M.; Govindan, K.; Sarkis, J.; Seuring, S. (2014): Quantitative models for sustainable supply chain management: developments and directions. *European Journal of Operational Research* 233(2): 299-312 \*
- Brandenburg, M.; Seuring, S. (2011): Impacts of supply chain management on company value: benchmarking companies from the fast moving consumer goods industry. *Logistics Research* 3(4), pp. 233-248 \*
- Brandenburg, M.; Seuring, S. (2010): A model for quantifying impacts of supply chain cost and working capital on the company value. *Lecture Notes in Business Information Processing* 46: 107-117 \*
- Brandenburg, M.; Tölle, F.-J. (2009): MILP-based campaign scheduling in a specialty chemicals plant: a case study. *OR Spectrum* 31: 141-166 \*
- Brandenburg, M.; Menke, T.<sup>(s)</sup> (2008): Quantifizierung von Wertbeiträgen aus Änderungen von Supply Chain Kosten und Working Capital. (Quantifying value impacts of changes of supply chain cost and working capital.) *Zeitschrift für Controlling & Management* 49(6): 168-174<sup>+</sup>
- Berning, G.; Brandenburg, M.; Gürsoy, K.; Kussi, J. S.; Mehta, V.; Tölle, F.-J. (2004): Integrated collaborative planning and supply chain optimization for the chemical process industry (I) – methodology. *Computers and Chemical Engineering* 28: 913-927 \*
- Berning, G.; Brandenburg, M.; Gürsoy, K.; Mehta, V.; Tölle, F.-J. (2002): An integrated system solution for supply chain optimization in the chemical process industry. *OR Spectrum* 24: 371-401 \*
- Haase, K.; Brandenburg, M.; Jorga, S.; Krüger, C. (2001): Kundenzuordnung und Rundreisplanung im Außendienst. (Customer assignment and route planning for sales force.) *OR Spectrum* 23: 491-506 \*\*
- Kolisch, R.; Brandenburg, M.; Krüger, C. (2000): OR-Software: Numetrix/3 Production Scheduling. *OR Spectrum* 22: 307-312 \*

### Papers in edited books

- Brandenburg, M.; Günther H.-O. (forthcoming): Gestaltung nachhaltiger urbaner Mobilität - Entwicklungspfade zu emissionsfreien Megastädten. (Designing sustainable urban mobility – Development paths to emission-free mega cities.) In: Corsten H, Gössinger R, Spengler T (eds.): *Handbuch "Produktions- und Logistikmanagement in Wertschöpfungsnetzwerken"*, de Gruyter, Oldenburg. \*\*
- Brandenburg, M.; Hahn, G. J.; Rebs, T.<sup>(s)</sup> (2018): Sustainable supply chains – Recent developments and future trends. In: Brandenburg, M.; Hahn, G. J.; Rebs, T. (eds.): *Social and Environmental Dimensions of Organizations and Supply Chains: Tradeoffs and Synergies. Series: Greening of Industry Network Studies, Vol. 5*; Springer, Berlin: 1-10
- Stohler, M.<sup>(s)</sup>; Rebs, T.<sup>(s)</sup>; Brandenburg, M. (2018): Towards the integration of sustainability metrics into the Supply Chain Operations Reference (SCOR) model. In: Brandenburg, M.; Hahn, G. J.; Rebs, T. (eds.): *Social and Environmental Dimensions of Organizations and Supply Chains: Tradeoffs and Synergies. Series: Greening of Industry Network Studies, Vol. 5*; Springer, Berlin: 49-60
- Monzer, D. A.<sup>(s)</sup>; Rebs, T.<sup>(s)</sup>; Khalid, R. U.; Brandenburg, M. (2018): Sustainable Supply Chain Management at the Base of Pyramid – A Literature Review. In: Brandenburg, M.; Hahn, G. J.; Rebs, T. (eds.): *Social and Environmental Dimensions of Organizations and*

\* full paper peer-reviewed

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<sup>(s)</sup> student under my supervision

- Supply Chains: Tradeoffs and Synergies. Series: Greening of Industry Network Studies, Vol. 5; Springer, Berlin: 235-257*
- Azevedo, S.; Brandenburg, M.; Carvalho, H.; Cruz-Machado, V. (2014): Developments and directions in eco-innovation. In: Azevedo, S.; Brandenburg, M.; Carvalho, H.; Cruz-Machado, V. (eds.): *Eco-Innovation and the Development of Business Models: Lessons from Experience and New Frontiers in Theory and Practice. Series: Greening of Industry Network Studies, Vol. 2. Springer, Berlin: 1-18*
- Brandenburg, M. (2013): Quantitative models for value-based supply chain management. In: Bogaschewsky, R.; Eßig, M.; Lasch, R.; Stölzle, W. (eds.): *Supply Management Research, Advanced Studies in Supply Management, Springer Gabler, Heidelberg: 149-172 \**
- Brandenburg, M. (2012): Value impacts of working capital and cost of goods sold in the European automotive industry. In: Kersten, W.; Blecker, T.; Ringle C. M. (eds.): *Managing the Future Supply Chain. Series: Supply Chain, Logistics and Operations Management, Vol. 9, EUL Verlag, Lohmar: 279-292 \**
- Brandenburg, M.; Schilling, R. (2012): Value impacts of dynamics and uncertainty in tactical supply chain design for new product introduction. In: Geiger, M.; Geldermann, J.; Voß, S. (eds.): *Wirtschaftsinformatik, Entscheidungstheorie und -praxis: Ausgewählte Beiträge des gemeinsamen Workshops der GOR-Arbeitsgruppen 2011 (Business informatics, decision theory and practice: Selected contributions of the joint workshop of the GOR working groups 2011) Shaker Verlag, Aachen: 23-46 \**
- Brandenburg, M. (2011): A systematic review of literature on value-based supply chain management. In: Kersten, W.; Blecker, T. Jahn, C. (eds.): *International Supply Chain Management and Collaboration Practices. Series: Supply Chain, Logistics and Operations Management, Vol. 4, EUL Verlag, Lohmar: 283-296 \**
- Brandenburg, M.; Seuring, S. (2010): Value-based strategic supply chain planning. In: Kersten, W.; Blecker, T.; Lüthje, C. (eds.): *Pioneering Solutions in Supply Chain Management – A Comprehensive Insight into Current Management Approaches. Series: Operations and Technology Management, Vol. 14, Erich Schmidt Verlag, Berlin: 185-196 \**
- Brandenburg, M.; Tölle, F.-J. (2009): MILP-based campaign scheduling in a specialty chemicals plant: a case study. In: Günther, H.-O.; Meyr, H. (eds): *Supply Chain Planning – Quantitative Decision Support and Advanced Planning Solutions. Springer, Berlin: 315-342 \**
- Berning, G.; Brandenburg, M.; Gürsoy, K.; Mehta, V.; Tölle, F.-J. (2002): An integrated system solution for supply chain optimization in the chemical process industry. In: Günther, H.-O.; Beek, P. (eds): *Advanced Planning and Scheduling Solutions in Process Industry. Springer, Berlin: 229-261 \**

### Conference papers

- Brandenburg, M. (2018): A meta-review of sustainable supply chain management literature. In: *5<sup>th</sup> International EurOMA Sustainable Operations and Supply Chains Forum. Paper ID WP3-1\_165 #*
- Rebs, T.<sup>(s)</sup>; Stohler, M.; Seuring, S.; Brandenburg, M. (2016): Managing risks, pressures and incentives for sustainable supply chain management: Insights from conceptual, empirical and quantitative modeling research. In: *3<sup>rd</sup> International EurOMA Sustainable Operations and Supply Chains Forum. Paper ID 4 #*
- Brandenburg, M.; Thiel, D.; Seuring, S. (2015): Modeling dynamic capabilities and policies for the sustainable management of food supply chains. In: *2<sup>nd</sup> International EurOMA Sustainable Operations and Supply Chains Forum. Paper ID 13 #*

\* full paper peer-reviewed

# abstract peer-reviewed

+ in German

<sup>(s)</sup> student under my supervision

- Rebs, T.<sup>(s)</sup>; Brandenburg, M.; Seuring, S. (2015): System dynamics modeling for sustainable supply chain management. In: *2<sup>nd</sup> International EurOMA Sustainable Operations and Supply Chains Forum*. Paper ID 32 #
- Thiel, D.; Seuring, S.; Brandenburg, M. (2014): Modeling dynamic capabilities and policies for the sustainable management of food supply chains – A system dynamics approach. In: *1<sup>st</sup> International EurOMA Sustainable Operations and Supply Chains Forum*. Paper ID 124 #
- Rebs, T.<sup>(s)</sup>; Stohler, M.<sup>(s)</sup>; Brandenburg, M. (2014): Integrating Sustainability Metrics into the Supply Chain Operations Reference (SCOR) Model. In: *Proceedings of the International Conference on Green Supply Chain*. \*
- Brandenburg, M. (2014): Value-based supply chain management – A literature review and a conceptual framework. In: Grubbström, R. W. and Hinterhuber, H. (eds.): *18<sup>th</sup> International Working Seminar on Production Economics. Pre-Prints Vol. 4*, Congress Innsbruck, Innsbruck Austria: 15-29 #
- Brandenburg, M. (2013): Quantitative models for value-based supply chain management. In: Wimmer, T.; Hucke, S.; Bundesvereinigung der Logistik e. V. (eds.): *Impulse, Ideen, Innovationen – Kongressband zum 30. Deutschen Logistik-Kongress (Inspiration, Ideas, Innovation – Proceedings of the 30<sup>th</sup> International Supply Chain Conference)*, DVV Media Group: 121-128.
- Brandenburg, M. (2013): SC performance, value creation and the economic crisis – An empirical assessment of the European automotive industry 2002-2010. *Proceedings of the 20<sup>th</sup> International Annual EurOMA Conference* #
- Brandenburg, M.; Seuring, S. (2012): A review of modeling approaches for sustainable supply chain management. *Proceedings of the 4<sup>th</sup> World P&OM Conference and 19<sup>th</sup> International Annual EurOMA Conference* #
- Brandenburg, M. (2012): Modeling value impacts of supply chain management. *Proceedings of the 4<sup>th</sup> World P&OM Conference and 19<sup>th</sup> International Annual EurOMA Conference* #
- Brandenburg, M. (2012): Impacts of supply chain management on company value. In: Grubbström, R. W. and Hinterhuber, H. (eds.): *17<sup>th</sup> International Working Seminar on Production Economics. Pre-Prints Vol. 2*, Congress Innsbruck, Innsbruck Austria: 101-114 #
- Brandenburg, M.; Seuring, S. (2011): Quantifying impacts of supply chain management on company value. In: Sucky, E.; Asdecker, B.; Dobhan, A.; Haas, S.; Wiese, J. (eds.): *Logistikmanagement – Herausforderungen, Chancen und Lösungen Band II (Logistics management – Challenges, chances and solutions Vol. II)*. Series: *Logistics and Supply Chain Management, Vol. 4*, University of Bamberg Press, Bamberg: 117-142 #
- Brandenburg, M.; Schilling, R. (2010): Value impacts of dynamics and uncertainties in tactical supply chain design for new product introduction. *Proceedings of the German-Italian Conference on the Interdependencies between New Product Development and Supply Chain Management*: 26-38 \*
- Brandenburg, M.; Seuring, S. (2010): The influence of working capital and supply chain cost on company value – Benchmarking companies from the fast moving consumer goods industry. *Proceedings of the 22<sup>nd</sup> NOFOMA Conference*: 389-404 \*
- Schilling, R.; Kuhn, H.; Brandenburg, M. (2010): Simulation-based evaluation of tactical supply chain design scenarios for new product introduction. *Proceedings of the 17<sup>th</sup> International Annual EurOMA Conference* #
- Berning, G.; Brandenburg, M.; Gürsoy, K.; Mehta, V.; Tölle, F.-J. (2003): An integrated system solution for supply chain optimization in the chemical process industry. *Proceedings of the Foundations of Computer-Aided Process Operations (FOCAPO2003)*: 45-58

\* full paper peer-reviewed

# abstract peer-reviewed

+ in German

<sup>(s)</sup> student under my supervision

## Reports

Haase, K.; Brandenburg, M.; Jorga, S.; Krüger, C. (1997): Deckungsbeitragsorientierte Aus-sendienststeuerung. (Margin-based steering of sales force.) *Manuskripte aus den Instituten für Betriebswirtschaftslehre*, Nr. 459, Christian-Albrechts-Universität, Kiel \*

## Conference presentations

- “A meta-review of sustainable supply chain management literature”, *5<sup>th</sup> Internat. EurOMA Sustainable Operations and Supply Chains Forum*. Kassel/Germany, Mar 5-6 2018 #
- “An integrated optimization-simulation approach for sustainable urban transport”, *OR2017 International Conference on Operations Research 2017*. Berlin/Germany, Sep 6-8 2017 #
- “A Framework for Sustainable Supply Chain Management and State-of-the-Art”, *Research Symposium “Networks in changing business ecosystems”*. Flensburg/Germany, June 12-13 2017 #
- “Supply chain risk in new product development”, *Risk, resilience and robustness of dynamic supply networks; bridging mathematical models and practice*. Edinburgh/UK, Jan 11-13 2017 (invited speaker)
- “How to assess financial performance evolutions by longitudinal DEA? - A formal approach and an application to automotive supply chains”, *5th World P&OM Conference*. Havana/Cuba, Sept 6-10 2016 #
- “Assessing the impact of stakeholder pressures and incentives on dynamic capabilities and sustainable supply chain management performance by system dynamics”, *5<sup>th</sup> World P&OM Conference*. Havana/Cuba, Sept 6-10 2016 #
- “A longitudinal DEA study on financial performance evolutions in the automotive SC”, *OR2016 International Conference on Operations Research 2016*. Hamburg/Germany, Aug 30-Sept 2 2016 #
- “Managing risks, pressures and incentives for sustainable supply chain management”, *78. Pflingsttagung des VHB (78<sup>th</sup> Annual Conference of the German Academic Association for Business Research)*. Munich/Germany, May 19 2016 (invited speaker)
- “Die Entwicklung finanzieller Leistungsfähigkeit in Lieferketten der Automobilindustrie – Eine DEA Studie” („Evolution of financial performance in automotive supply chains – A DEA study“), *Wintertagung 2015/16 der Wissenschaftlichen Kommission „Logistik“ (winter session 2015/2016 of the scientific commission „Logistics“)*. Dresden/Germany, Jan 15-16 2016 +
- “A data envelopment analysis of financial performance in automotive supply chains”, *23<sup>rd</sup> International Conference on Multiple Criteria Decision Making MCDM 2015*. Hamburg/Germany, Aug 2-7 2015 #
- “Simulation and optimization to configure eco-efficient supply chains under consideration of performance and risk aspects”, *27<sup>th</sup> European Conference on Operational Research*. Glasgow/UK, Jul 12-15 2015 #
- “Value impacts of supply chain management – a quantitative model”, *26<sup>th</sup> Annual POMS Conference 2015*. Washington/USA, May 8-11 2015 #
- “Operational and financial performance in European process industries”, *10<sup>th</sup> European Research Seminar 2015*. Copenhagen/Denmark, Apr 23-24 2015 #
- “Modeling dynamic capabilities and policies for the sustainable management of food supply chains”, *2<sup>nd</sup> International EurOMA Sustainable Operations and Supply Chains Forum*. Barcelona/Spain, Mar 23-24 2015 #
- “A sustainable production planning model for the chemical process industry”, *Tagung der Wissenschaftlichen Kommission “Operations Research“ und der Gesellschaft für Operations Research e. V.; Arbeitsgruppen “Entscheidungstheorie und –praxis” sowie “Fuzzy*

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- Systeme, Neuronale Netze und Künstliche Intelligenz*” (Session of the scientific commission “Operations Research“ and the working groups “Decision Theory and Practice” and “Fuzzy Systems, Neural Networks and Artificial Intelligence” of the Gesellschaft für Operations Research e.V.). Hagen/Germany, Feb 5-6 2015 # +
- “Dynamic capabilities and sustainability practices in supply chain management – A causal diagram and a system dynamics approach”, *OR2014 International Conference on Operations Research 2014*. Aachen/Germany, Sep 3-5 2014 #
- “Dynamic capabilities and policies for sustainable supply chain management – A system dynamics approach”, *20<sup>th</sup> Conference of the International Federation of Operational Research Societies IFORS 2014*, Barcelona/Spain, Jul 13-18 2014 #
- “Modeling dynamic capabilities and policies for the sustainable management of food supply chains – A system dynamics approach”, *1<sup>st</sup> International EurOMA Sustainable Operations and Supply Chains Forum*. Groningen/Netherlands, Mar 24-25 2014 #
- “Value-based supply chain management – A literature review and a conceptual framework”, *18<sup>th</sup> International Working Seminar on Production Economics*, Innsbruck/Austria, Feb 24-28 2014 #
- “Quantitative Modelle für das wertorientierte Supply Chain Management” (“Quantitative models for value-based supply chain management”), *30. Deutscher Logistik-Kongress (30<sup>th</sup> International Supply Chain Conference)*, Berlin/Germany, Oct 23-25 2013 # +
- “MILP-based supply chain design for new product introduction”, *joint conference of the working groups “Decision theory and practice” (Gesellschaft für Operations Research e.V.) and the “Decision Analysis Special Interest Group” (The OR Society)*, Hamburg/Germany, Sep 23-24 2013#
- “Supply chain design for new product introduction by mixed-integer linear programming”, *International Conference on Operations Research*, Rotterdam/Netherlands, Sep 3-6 2013#
- “Optimized supply chain design in the fast moving consumer goods industry”, *XXVI EURO-INFORMS 26<sup>th</sup> European Conference on Operational Research*, Rome/Italy, Jul 1-4 2013#
- “SC performance, value creation and the economic crisis – an empirical assessment of the European automotive industry 2002-2010”, *20<sup>th</sup> International Annual EurOMA conference*, Dublin/Ireland, Jun 7-12 2013 #
- “Quantitative Modelle für das wertorientierte Supply Chain Management” (“Quantitative models for value-based supply chain management”), *6. Wissenschaftliches Symposium des Bundesverband Materialwirtschaft, Einkauf und Logistik e. V. – Finale “BME-Wissenschaftspreis Hans Övelgönne” (6<sup>th</sup> scientific symposium of the Association Materials Management, Purchasing and Logistics – final of the “Scientific BME Award Hans Övelgönne”)*, Würzburg/Germany, Mar 5-6 2013 # +
- “Quantitative Modelle im Sustainable Supply Chain Management” (“Quantitative models for sustainable supply chain management”), *Tagung 2013 der Wissenschaftlichen Kommission „Operations Research“ und der Gesellschaft für Operations Research e.V.; Arbeitsgruppe “Projektmanagement und Scheduling” (Session 2013 of the scientific commission „Operations Research“ and the working group “Project management and scheduling” of the Gesellschaft für Operations Research e.V.)*, Wuppertal/Germany, Jan 31-Feb 2 2013 # +
- “SC Effizienz und Wertgenerierung vor und während der Wirtschaftskrise – eine empirische Analyse der Europäischen Automobilindustrie” („SC efficiency and value creation before and during the economic crisis – an empirical analysis of the European automotive industry“), *Wintertagung 2012/13 der Wissenschaftlichen Kommission „Logistik“ (winter session 2012/2013 of the scientific commission „Logistics“)*, Darmstadt/Germany, Jan 18-19 2013 +

\* full paper peer-reviewed

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(s) student under my supervision

- “Quantitative models for sustainable supply chain management: a review”, *2<sup>nd</sup> International Workshop on Eco-Efficient Based Green SCM*, Odense/Denmark, Oct 24-25 2012
- “Quantitative models for sustainable supply chain management: a review”, *Herbsttagung 2012 der Wissenschaftlichen Kommission „Nachhaltigkeitsmanagement“ (autumn session 2012 of the scientific commission „Sustainability management“)*, Hamburg/Germany, Sep 24-25 2012 # +
- “Value impacts of working capital and cost of goods sold in the European automotive industry”, *HICL 2012 Hamburg International Conference on Logistics*, Hamburg/Germany, Sep 13-14 2012 #
- “A review of modeling approaches for sustainable supply chain management”, *4<sup>th</sup> World P&OM Conference and 19<sup>th</sup> International Annual EurOMA Conference*, Amsterdam/Netherlands, Jul 2-4 2012 #
- “Modeling value impacts of supply chain management”, *4<sup>th</sup> World P&OM Conference and 19<sup>th</sup> International Annual EurOMA Conference*, Amsterdam/Netherlands, Jul 2-4 2012 #
- “Quantitative models for sustainable supply chain management: a review“, *Workshop der Gesellschaft für Operations Research e.V.; Arbeitsgruppen “Entscheidungstheorie und –praxis” und “OR im Umweltschutz” (joint workshop of the working groups “Decision theory and practice” and “OR in environmental protection” of the Gesellschaft für Operations Research e.V.)*, Goslar/Germany, Mar 1 – Mar 2 2012 # +
- “Quantifying impacts of supply chain management on company value”, *17<sup>th</sup> International Working Seminar on Production Economics*, Innsbruck/Austria, Feb 20-24 2012 #
- “Impacts of supply chain management on company value”, *Logistikmanagement 2011 (Logistics Management 2011)*, Bamberg/Germany, Sep 28-30 2011 # +
- “A systematic review of literature on value-based supply chain management”, *HICL 2011 Hamburg International Conference on Logistics*, Hamburg/Germany, Sep 8-9 2011 #
- “Value impacts of dynamics and uncertainties in tactical supply chain design for new product introduction“, *Workshop der Gesellschaft für Operations Research e.V.; Arbeitsgruppen “Entscheidungstheorie und –praxis” und “Wirtschaftsinformatik” (joint workshop of the working groups “Decision theory and practice” and “Business informatics” of the Gesellschaft für Operations Research e.V.)*, Hamburg/Germany, March 30 – Apr 1 2011 # +
- “Value-based supply chain management”, *Wintertagung 2010/2011 der Wissenschaftlichen Kommission „Logistik“ (winter session 2010/2011 of the scientific commission „Logistics“)*, Berlin/Germany, Jan 14-15 2011 +
- “Value-based strategic supply chain planning”, *HICL 2010 Hamburg International Conference on Logistics*, Hamburg/Germany, Sep 2-3 2010 #
- “The influence of supply chain cost and working capital on company value – Benchmarking companies from the fast moving consumer goods industry”, *22<sup>nd</sup> NOFOMA Conference*, Kolding/Denmark, Jun 10-11 2010 #
- “A model for quantifying impacts of supply chain cost and working capital on the company value”, *8<sup>th</sup> International Heinz Nixdorf Symposium*, Paderborn/Germany, Apr 21-22 2010 # +
- “Collaborative Planning und Scheduling” (“Collaborative planning and scheduling”), *Gesellschaft für Operations Research e.V.; Arbeitsgruppe Supply Chain Management*, Darmstadt/Germany, Oct 18 2002 +
- “Integration des EvoPlan-Algorithmus in SAP APO mittels ILOG-ODF“ („Integration of the EvoPlan-algorithm in SAP APO by ILOG-ODF“). *Gesellschaft für Operations Research e.V.; Arbeitsgruppe Supply Chain Management*, Leverkusen/Germany, Oct 19 2001 +

\* full paper peer-reviewed

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+ in German

(s) student under my supervision

### **Ad-hoc reviewing**

- Annals of Operations Research
- Applied Mathematical Modelling (*Recognized Reviewer Status awarded in Jan 2017 and in Mar 2018*)
- Business Research (*Reviewer of the Year 2016, Dept. Operations & Information Systems*)
- Carbon Management
- Chemical Engineering Research and Design
- Computers & Operations Research (*Outstanding Reviewer Status awarded in Nov 2015, Recognized Reviewer Status awarded in Dec 2017*)
- Decision Sciences
- Decision Support Systems
- European Journal of Industrial Engineering
- European Journal of Operational Research E (*Editors' Award for Excellence in Reviewing, awarded in Jan 2016 and in Apr 2018*)
- IEEE Transactions on Cybernetics
- Informatics
- Information Processing Letters
- International Journal of Business Performance and Supply Chain Modelling
- International Journal of Hospitality Management
- International Journal of Information Technology & Decision Making
- International Journal of Operations & Production Management (*Member of the Editorial Reviewer Board since Oct 2017*)
- International Journal of Physical Distribution & Logistics Management
- International Journal of Production Economics
- International Journal of Production Research
- Journal of Cleaner Production (*Outstanding Reviewer Status awarded in Sept 2017, Recognized Reviewer Status awarded in Apr 2016*)
- Journal of Engineering Manufacture
- Journal of Industrial Ecology
- Journal of the Operational Research Society
- Logistics Research
- Omega – The International Journal of Management Science
- Operational Research – An International Journal
- Resources, Conservation & Recycling
- Sustainability
- Transportation Research Procedia
- Transportation Research: Part D
- Transportation Research: Part E (*Outstanding Reviewer Status awarded in Sept 2015 and in Mar 2018, Recognized Reviewer Status awarded in Sept 2017*)
  
- Deutsche Forschungsgemeinschaft (DFG, German Research Foundation)
- Natural Sciences and Engineering Research Council of Canada (NSERC)
- Netherlands Organisation for Scientific Research (NWO)
- Schweizerischer Nationalfonds zur Förderung der wissenschaftlichen Forschung (SNF, Swiss National Science Foundation)

\* full paper peer-reviewed

# abstract peer-reviewed

+ in German

<sup>(s)</sup> student under my supervision

### Further academic services

- Member of the organizing committee of the *5<sup>th</sup> International EurOMA Sustainable Operations & Supply Chains Forum*, Kassel/Germany, Mar 5-6 2018
- Member of the scientific committee of the *Special Session "Supply Chain Management and Finance"* at the *24<sup>th</sup> International Conference on Production Research*, Poznan/Poland, Jul 30-Aug 3 2017
- Member of the scientific committee of the *5<sup>th</sup> World Conference on Production and Operations Management*, Havana/Cuba, Sep 6-10 2016
- Organizer of the session "Sustainable design and operations of supply chains" at the *International Conference on Operations Research 2015*. Vienna/Austria, Sep 1-4 2015
- Chair of the session "Data Envelopment Analysis" at the *23<sup>rd</sup> International Conference on Multiple Criteria Decision Making MCDM 2015*, Hamburg/Germany, Aug 2-7 2015
- Organizer of the session "Sustainable design and operations of supply chains" at the *27<sup>th</sup> European Conference on Operational Research*, Glasgow/UK, Jul 12-15 2015
- Chair of the session "Supply Chain Management" at the *22<sup>nd</sup> International Annual EurOMA Conference*, Neuchatel/Switzerland, Jun 26-Jul 1 2015
- Chair of the session "Supply Network Design" at the *22<sup>nd</sup> International Annual EurOMA Conference*, Neuchatel/Switzerland, Jun 26-Jul 1 2015
- Chair of the session "Models in Supply Chain Management I" at the *Production and Operations Management Society POMS 26<sup>th</sup> Conference*, Washington D. C./USA, May 8-11 2015
- Organizer of the session "Sustainable management and climate change" at the *20<sup>th</sup> Conference of the International Federation of Operational Research Societies IFORS 2014*, Barcelona/Spain, Jul 13-18 2014
- Chair of a session at the *joint conference of the working groups "Decision theory and practice" (Gesellschaft für Operations Research e. V.) and the "Decision Analysis Special Interest Group" (The OR Society)*, Hamburg/Germany, Sep 23-24 2013
- Chair of the session "Supply Chain Optimization I" at the *International Conference on Operations Research*, Rotterdam/Netherlands, Sep 3-6 2013
- Chair of the session "Contemporary Case Studies in Logistics Networks I" at the *HICL 2012 Hamburg International Conference on Logistics*, Hamburg/Germany, Sep 13-14 2012
- Chair of the session "Supply Chain Models" at the *4<sup>th</sup> World P&OM Conference and 19<sup>th</sup> International Annual EurOMA Conference*, Amsterdam/Netherlands, Jul 2-4 2012

\* full paper peer-reviewed

# abstract peer-reviewed

+ in German

<sup>(s)</sup> student under my supervision

# Curriculum Vitae

**Prof. Dr. Alexander Deseniss**

deseniss@hs-flensburg.de  
Kanzleistr. 91-93  
24941 Flensburg, Germany



## PROFESSIONAL WORK EXPERIENCE

- 03/2006 - present    Professor of Marketing - University of Applied Sciences Flensburg  
Major Research Areas:  
Services Marketing, Business Strategy, Business-to-Business Marketing, Customer Relationship Management, Consumer Behavior, Brand Management, Marketing Communications
- 01/2003 - 12/2005    Managing Director - Strategy & Marketing Institute GmbH, Hannover  
Management
- 01/2000 - 12/2002    Managing Director - Wiedmann & Partners Management Consultants, Hannover  
Management
- 01/1995 - 12/1999    Research Associate, Chair of Marketing & Management, Prof. Wiedmann (full-time) -  
University of Hannover  
Research, teaching, academic administration

## CONSULTING PROJECTS

- 01/2006 - present    Management consultant (strategy, marketing, sales)

## EDUCATION

- 01/1995 - 12/1999    Dr. - University of Hannover  
Doctoral studies
- 01/1989 - 12/1994    Dkfm. - University of Mannheim  
Study program in Business Administration

## TEACHING (FACULTY INTERNSHIPS ETC.)

- 04/2013 - present    University of Applied Sciences Seinäjoki / Finland  
Visiting Professor (teaching in the field of international marketing)
- 11/2012 - present    Hamburger Fernhochschule  
Marketing / Online Study Program Master of Laws (LL.M.)
- 10/2011 – 10/2019    Aalborg University / Denmark  
Visiting Professor (Teaching in the field of business analysis)
- 10/2012 - 01/2018    Northern Business School, Hamburg  
Marketing and marketing case studies

## **BOARD MEMBERSHIP WITH SIGNIFICANT RESPONSIBILITIES**

08/2004 - present    Member of the Board, Pensions Communication & More e.V.

## **PEER REVIEWED JOURNAL ARTICLE**

Walsh, G., Deseniss, A., Ivens, S., Schaarschmidt, M. (2019). Buffering the Service Failure-Induced Effect of Anger on Revenge, *Kybernetes* (in print); , Vol. ahead-of-print / No. ahead-of-print. <https://doi.org/10.1108/K-01-2019-0071>

Walsh, G., Lindridge, A., Mitchell, V., Deseniss, A., Lippold, A. (2016). Investigating consumer confusion proneness cross-culturally: Empirical evidence from the United States, Germany, and Thailand. *International Journal of Markets and Business Systems*, 2(3), 226-242. doi:10.1504/IJMABS.2016.081544

Hennig-Thurau, T./ Klee, A. (1997). The Impact of Customer Satisfaction and Relationship Quality on Customer Retention: A Critical Reassessment and Model Development. *Psychology & Marketing*, 14(8), 737-764 (published under the birth name 'Klee')

## **EDITORIAL-REVIEWED JOURNAL**

Klee, A. (2006). Zeitgemäßes Instrument, aber keine Wunderwaffe: Podcasting als innovativer Ansatz in der Hochschullehre. *Forschung und Lehre*, 13, 578-579 (published under the birth name 'Klee')

## **TEXTBOOKS**

Walsh, Gianfranco/Deseniss, Alexander/Kilian, Thomas: *Marketing. Eine Einführung auf der Grundlage von Case Studies*, 3. Aufl., Berlin Heidelberg 2020 (Springer Gabler)

Deseniss, A. (2015). *Marketing für Wirtschaftswissenschaftler für Dummies*. Weinheim: Wiley-VCH.

Walsh, G., Deseniss, A., & Kilian, T. (2013). *Marketing – eine Einführung auf der Grundlage von Case Studies* (2nd ed.). Berlin and Heidelberg: Springer Gabler.

## **CHAPTERS IN BOOKS**

Deseniss, Alexander: Kapitel7 *Marketing –Konzept und Informationsgrundlagen* / Kapitel 8 *Strategisches Marketing/ Kapitel 9 Der Marketingmix –die Umsetzung des Marketings*, in: Amely, T.(Hrsg.): *BWL. Das Lehrbuch(für Dummies-Reihe)*. Weinheim 2018(Wiley-VCH), S. 213-293

Deseniss, A. (2016). *Wirkungsvolles Marketing mit knappen Mitteln*. In H. K. Stahl & H. H. Hinterhuber (Eds.), *Erfolgreich im Schatten der Großen. Wettbewerbsvorteile für Kleine und Mittlere Unternehmen*, 2nd edition, (pp 177-192). Berlin: Erich Schmidt Verlag.

Deseniss, A. (2014). *Produkt- und Programmpolitik*. In W. Pepels (Ed.), *Marketing im Nebenfach* (pp. 57-75, 300-304). Berlin: Berliner Wissenschaftsverlag.

Deseniss, A. (2011). *Podcasts als Kommunikationsinstrument*. In G. Walsh, B. Hass & T. Kilian (Eds.), *Web 2.0 – Neue Perspektiven für Marketing und Medien* (pp. 125-139). Berlin: Springer.

Walsh, G./ Niermann, S./ Klee, A.: *Kundenzufriedenheit und Kundenbindung als Grundlage der Zielgruppenbildung im Dienstleistungssektor [Customer Satisfaction and Customer Retention as Segmentation Variables in Services Marketing]*, in: *Jahrbuch der Absatz- und Verbrauchsforschung*, 01/2008, pp 42-59.

## **PEER REVIEWED ACADEMIC/PROFESSIONAL MEETING PROCEEDINGS**

Walsh, G., Ivens, S., Schaarschmidt, M., Deseniss, A.: Buffering the service failure-induced effect of anger on revenge. Paper presented at the 2019 BSLab International Symposium, Pavia (Italy).

Klee, A. (2008). Experience Branding. A Conceptual Response to Contemporary Challenges in Brand Management.

In: G. Rosa/A. Smalec (Eds.): Marketing Przyszłości [The Future of Marketing], WZEU Conference Proceedings, University of Szczecin, Szczecin (pp 231-238). (published under the birth name 'Klee')

## **CASE STUDIES**

Deseniss, A./ Walsh, G./ Kilian, T./ Mauss, J. (2017): Vapiano – Aufbau von Wettbewerbsvorteilen durch Produktgestaltung, in: Kotler, P. / Keller, K. L. / Opresnik, M. O.: Marketing-Management, 15th edition, München: (Pearson); pp. 491-496

Walsh, G., Deseniss, A., & Kilian, T. (2011). Vapiano: Creating a marketing-driven business. <http://www.thecasecentre.org/educators/products/view?id=99871>

## **OTHER INTELLECTUAL CONTRIBUTIONS**

Klee, A./ Wiedmann, K. (2007). How will Solvency II Requirements Affect Reputation Management? In: KPMG International (Ed.): Solvency II Briefing, Edition 3, Zurich (pp 26-28). (published under the birth name 'Klee')

## **Curriculum vitae**

Prof. Dr. Martin Klem

Professor for general business administration, especially accountancy, taxation, financial statements and auditing

### **Education/Studies**

- 1992-1995    doctoral studies program B.A., Vienna University, doctorate to Dr. rer. soc. Oec.  
1986-1991    studies of business informatics at Vienna University, Mag. rer. soc. oec.

### **Professional Career**

- since 2007    Professor for general business administration, especially accountancy, taxation, financial statements and accounting  
since 2011    guest lecturer at foreign partner universities  
1996-2007    in the course of the professional activity as business auditor varying lectures, amongst these guest lectures at universities from 2005 on

### **Publications**

- Ergebnisschwund im IFRS-Konzernabschluss, IDL-Dialog II, 11/2017
- Aktuarielle Risiken, Reserveprozess und Solvency II – Auswirkungen auf die Interne Revision, ZIR – Zeitschrift Interne Revision, 4/2016
- Weg zum Gesamtaktuarat – Vorteile und flankierende Maßnahmen, Der Aktuar, 3 2015
- Die Prüfung der Schadenrückstellung von Schaden- /Unfallversicherern nach IFRS 4 und Solvency II, IRZ – Internationale Rechnungslegungszeitschrift, 2 Teile: 7/8 + 9/2015



Lecturer		Status at University	Main profession (Indication only for invited lecturers)	Teaching areas
Kümper, Thorsten Prof. Dr.		Professor	n.a.	BA /Controlling
<b>Academic career</b>				
Nr.	Academic degree, beginning of research activity or academic doctrine	Institution / Place		Year
1.	Professor	HS Flensburg		2004-now
2.	Dr. rer. pol	University Osnabrück		1994
3.	Business graduate	University Osnabrück		1990
4.	Master of Business Administration	University of Georgia, USA		1988
<b>Professional qualifications</b>				
Nr.	Type of qualification	Institution / Place		Year
--	None other than academic qualifications	--		--
<b>Employment</b>				
Nr.	Description	Institution/ Place		Year
1.	Professor BA Controlling	HS Flensburg		2004-now
2.	Controller	Bosch, various		1994-2004
3.	Academic staff	University Osnabrück		1990-1994
<b>Research and development projects of the last 5 years (selection, max. 5 specifying)</b>				
Nr.	Description	Support program, optionally, Promoter		Year
--	--	--		--
<b>Further education of the last 5 years (selection, max. 5 specifying)</b>				
Nr.	Event description	Type and place of event		Year
--	--	--		--
<b>Publications, speeches of the last 5 years (selection, max. 5 specifying)</b>				
Nr.	Description	Type and place of publications		Year
--	--	--		--
<b>Date last actualization</b>				
03. Mai 2020				

# Curriculum vitae

Prof. Sander Limant, LL.M.  
E-Mail: sander.limant@hs-flensburg.de  
Tel.: 0172 6410186

Place of birth: Strausberg, Land Brandenburg, Germany  
Date of birth: December 12<sup>th</sup>, 1971

## Professional experience

Since 11/2015 vice dean of department I of FUAS (19 professors, 36 employees, ca. 950 students)

1/2015-2/2015 2<sup>nd</sup> Officer  
Container ship 53,481 grt, world wide  
Reederei "Patjens", Drochtersen

Since 4/2011 professor at FUAS  
Call for maritime regulations, ship management, navigation, maritime law

5/2009-03/2013 lawyer in Berlin

9/2008-3/2009 Chief Mate, Captain 200 grt  
Baltic Taucherei- und Bergungsbetrieb Rostock GmbH

9/2008-2/2009 assistant professor  
University of applied science Wismar, faculty Seefahrt Warnemünde

9/2007-7/2008 teacher (nautic and law)  
Fachschule für Seefahrt, Warnemünde

04/2007-9/2007 2<sup>nd</sup> officer  
Container ship, 4,448 grt, world wide  
Reederei "Briese", Leer

9/1990-12/1994 military service, soldier in the marine  
Last: Navigationsunterofficier, Destroyer (DDG 103)

## **Training & education:**

- 3/2007-5/2007      reserve officer (HSO), Marine  
Marineschule Mürwik, Flensburg  
Appointment: "Oberleutnant zur See d. R."
- 10/2005-9/2006      Master "International Commercial law"  
Rostock University  
Master of International Business Law, LL.M.
- 1/2005-7-2006      student in Nautik  
University of Applied Science Wismar, Fachschule für  
Seefahrt  
"Nautischer Schiffsoffizier (AG)
- 5/2002 – 8/2004      clerkship Oberlandesgericht für das Land Brandenburg,  
Brandenburg an der Havel  
2nd juristic state examination
- 10/1998-10/1999      studies of laws  
University of Wales, UK  
Diploma in Business Law
- 10/1995-1/2002      studies of law  
University Viadrina, Frankfurt/Oder, Germany  
1st juristic state exam
- 1/1991-6/1994      apprenticeship administrative state official  
Niedersächsisches Studieninstitut für kommunale  
Verwaltung, Oldenburg  
Administrativ state official
- 9/1988-8/1990      extended comprehensive school „Karl Liebknecht“,  
Frankfurt/Oder, Germany  
Allgemeine Hochschulreife

## **Experience abroad**

- 9/1998-10-1999      studies in UK
- 11/2003-2/2004      electoral station in Lettland  
Brandenburgisch-Baltisches Wirtschaftsbür, Riga

## **Languages**

Fluent in English

## Lecturer - CV

Lecturer	Status at University	Main profession (Indication only for invited lecturers)	Teaching areas
Dr. Volker Looks	Professor	n.a.	Business Management, Process Management
<b>Academic career</b>			
Nr.	Academic degree , beginning of research activity or academic doctrine	Institution / place	Year
1	Professor	University Flensburg	08/2011 - now
2	Ph.D.	Cranfield University	02/2003
3	Master of Science	Cranfield University	09/94-09/95
4	Bachelor of Engineering	Coventry University	10/93 – 06/94
5	Dipl. Ing. (FH)	Fachhochschule Aachen	09/90 – 09/94
<b>Professional qualifications</b>			
Nr.	Type of qualification	Institution / place	Year
	Aircraft maker	Messerschmidt, Speyer	09/84 – 02/88
<b>Employments</b>			
Nr.	Description	Institution / place	Year
1	Professor	Hochschule Flensburg	08/2011 - now
2	Head of Process Management	BMW Germany	03/2002 – 05/2010
3	Quality Assurance Manager	BMW Hall, UK	04/99 – 02/2002
4	Assistant Head of QM	Rover Group	09/95 – 03/99
5	Aircraft maker	Messerschmidt Speyer	02/88 -08/90
<b>Research and development projects of the last 5 years (selection, max. 5 specifying)</b>			
Nr.	Description	Funding agency	Year
<b>Further education of the last 5 years (selection, max. 5 specifying)</b>			
Nr.	Description	Type and place of course	Year
<b>Publications, speeches of the last 5 years (selection, max. 5 specifying)</b>			
Nr.	Description	Type and place of publications	Year
<b>Date of the last actualization</b>			
03. Mai 2020			

## Lecturer - CV

Lecturer	Status at University	Main profession (indication only for lecturers)	Teaching areas
Dr. Nelly Oelze	Professor	Professor	Logistics, Supply Chain Management, Marketing
<b>Academic career</b>			
Nr.	Academic degree , beginning of research activity or academic doctrine	Institution / place	Year
1	Professor	University Flensburg	04/2018 - now
2	Promotion	CU Ingolstadt	12/2010 – 11/2014
3	MA International Business/MBA	Ashcroft International Business School and Hanze University Groningen	09/2005-11/2006
4	BA European Business Administration / Business graduate (UAS)	Ashcroft International Business School und Berlin School of Economics	09/2001 – 07/2005
<b>Professional qualifications</b>			
Nr.	Type of qualification	Institution / place	Year
	None other than academic qualifications		
<b>Employment</b>			
Nr.	Description	Institution / place	Year
1	Professor	Hochschule Flensburg	04/2018 - now
	Academic staff	Leibniz University Hannover	03/2013 – 03/2018
2	Academic staff CU Ingolstadt and University of Bath	University of Bath; CU Ingolstadt	01/2012 – 02/2013
3	Key Account Manager	Arvato Bertelsmann	10/2007 – 11/2011
4	Management Assistant	Arvato Bertelsmann	03/2007-10/2007
<b>Research and development projects of the last 5 years (selection, max. 5 specifying)</b>			
Nr.	Description	Support program, optionally, Promoter	Year
1	Sustainable Supply Chain Implementation: Learning from Corporate Experience	WIF II der LUH	08/2015-03/2018
<b>Further education of the last 5 years (selection, max. 5 specifying)</b>			
Nr.	Description	Type and place of course	Year
1	Management Communication	Training, Gütersloh	2012
2	Innovatory teaching methods	Training, Hannover	2016
<b>Publications, speeches of the last 5 years (selection, max. 5 specifying)</b>			
Nr.	Description	Type and place of publications	Year
1	'Sustainable Development in Supply Chain Management: The Role of Organizational Learning for Policy Implementation'	Article B Journal	2016
2	'Quod licet Iovi, non licet Bovi? Comparing strategic approaches to Responsible Supply Chain Management Implementation in SMEs and MNCs'	Article B Journal	2017
3	Implementation from Environment- and Social standards along the value chain: Learning	Chapter in: CSR and Procurement	2015

## Lecturer - CV

	from leading Corporate experience I		
4	'Implementation of responsible Procurement Management: An Institutional Perspective'	Article B Journal	2016
5	Sustainable Supply Chain Management Implementation – Enablers and Barriers in the Textile Industry	Article B Journal	2018
	Are MNCs gods and SMEs oxen?	Conference: Academy of Management Annual Meeting Vancouver, Canada	2015
	Ethical Consumerism versus SSCM	Conference: ICSD, New York	2017
	Intercultural Implications on Sustainable Consumption	Conference: UN, New York	2018
Date of the last actualization			
03. Mai 2020			

## CURRICULUM VITAE

Prof. Dr.-Ing. Rom Rabe  
Date of Birth: June 8<sup>th</sup> 1970  
Mobile: +49 (0) 172 829 626 0  
E-mail: [rom.rabe@hs-flensburg.de](mailto:rom.rabe@hs-flensburg.de)



### Professional Experience:

2020 - Professor, Marine Engineering - Operation  
Wismar University of Applied Sciences (Hochschule Wismar), Germany

2015 – 2020 Professor, Ship technology/ship operation  
Flensburg University of Applied Sciences (Hochschule Flensburg), Germany

2014 – 2015 Team Leader “Large Engines”  
Research Centre for Internal Combustion Engines and Thermodynamics Rostock GmbH (FVRT GmbH)

2006 – 2015 Scientist, Institute for Piston Engines Internal Combustion Engines (LKV);Rostock University, Germany

1998 – 2006 Test-Engineer, field test; MAN B&W Diesel AG Augsburg

1997 – 1999 Ship’s engineer (sailing to obtain German Chief Engineer License CI)

1993 – 1994 Ship’s engineer (sailing to obtain German Chief Engineer License CI)

1990 – 1991 Technical officer cadet  
Hamburg-Südamerikanischen Dampfschiffahrtsgesellschaft Eggert & Amsinck (Hamburg Süd)

1990 – 1990 Engine fitter  
Fleet service, Deutschen Seereederei Rostock (DSR-Lines – shipping company)

1987 – 1990 Vocational training for mechanical- and plant installer  
Operating school, Deutsche Seereederei Rostock (DSR-Lines – shipping company)

### Education:

2020 Second Appointment to Professor for Marine Engineering – Operation  
Wismar University of Applied Sciences (Hochschule Wismar), Germany

2015 Appointment to Professor, ship technology/ship operation  
Flensburg University of Applied Sciences (Hochschule Flensburg), Germany

2014 Doctorate, Dr.-Ing. Rostock University

1998 – 1998 Thesis – Theme: Engine diagnostic system  
MAN B&W Diesel AG, Augsburg

1996 – 1998 Postgraduate, Mechanical engineering with focus on energy engineering  
Rostock University, Department of mechanical engineering / ship technology

1994 – 1998 Graduate engineer, ship operation technology  
Hochschule Wismar, University of Applied Sciences

1991 – 1993 Preliminary diploma examination, process engineering / thermal engineering  
Otto von Guericke University, Magdeburg

### Further relevant Qualifications and Activities:

2019 Experience as “Scrubber-Engineer” on board “AIDA Prima”

2018 Training-Courses Energy Efficiency and Exhaust Gas Cleaning System  
Carnival Cruise Training - Center CSMART, Almere (Netherlands)

since 2018 member of Board of German Chief engineer Association

since 2016 member of education committee of the national maritime authority  
(BSH Bundesamt f. Seeschiffahrt und Hydrographie)

since 2015 guest lecture at BSMA University, Batumi, Georgia

since 2014 several technical surveys for governmental organizations and shipping companies

since 2014 visiting professor at chair for internal combustion engines at Rostock University

## CURRICULUM VITAE

since 2014	guest lectures at ITS Surabaya (Indonesia)
since 2009	Member of CIMAC working group 5 (Emission Control)
since 2006	different research projects regarding internal measures to reduce harmful exhaust gas emissions of large bore marine engines and maritime used exhaust gas after treatment (such as SCR, Scrubber Particle Filter, EGR...)
since 2006	different studies about present maritime used fuels and future / alternative fuels Presentations and Seminars for fuels, oil pollution and international legislation for MARPOL
since 2006	participation at several international conferences and workshops for marine engineering and environmental Protection
2000 – 2004	development of MAN fuel water emulsion system and the first generation of Common Rail-Injection Systems

### Publications:

1. Rabe, R.; Etzin, U.: „Dry Scrubbing Technology: Improvement of Desulfurization Agent and Cleaning Technology“, CIMAC Congress, Vancouver, Canada, June 10 - 14, 2019
2. Buchholz, B.; Püschel, M.; Dreves, J.; Rabe, R.; Peppel, T.: "Detailed analysis of PM emissions from a medium speed diesel engine as a precondition for successful application of DPF", CIMAC-Congress, Helsinki, June 6-10, 2016
3. Stengel, B.; Rabe, R.; Orasche, J.; Müller, L.; Harndorf, H.: „Impacts of HFO and MGO on Combustion and Emissions“, CIMAC-Congress, Helsinki, June 6-10, 2016
4. O. Sippula, B. Stengel, M. Sklorz, T. Streibel, R. Rabe, J. Orasche, J. Lintelmann, B. Michalke, G. Abbaszade, C. Radischat, T. Gröger, J. Schnelle-Kreis, H. Harndorf, R. Zimmermann: "Particle Emissions from a Marine Engine operated with Heavy Fuel and Distillate oils – Chemical Composition and Aromatic Emission Profiles under various operating conditions", Environmental Science & Technology, 2014
5. Cordtz, R.; Schramm, J.; Rabe, R.: "Investigating SO<sub>3</sub> Formation from the Combustion of Heavy Fuel Oil in a Four-Stroke Medium-Speed Test Engine" Energy and fuels, 2014
6. Fink, C.; Drescher, M.; Rabe, R.; Harndorf, H.: "Hydraulic measures to improve common-rail injection system performance – Impact of injection rate shaping on emissions of a medium speed diesel engine", CIMAC Congress, Shanghai, China, May 13–16, 2013
7. Bank, R.; Buchholz, B.; Harndorf, H.; Rabe, R.; Etzin, U.: „High-Pressure SCR at Large Diesel Engines for Reliable NO<sub>x</sub>- Reduction & Compliance with IMO Tier III Standards“, CIMAC-Congress, Shanghai, China, May 13–16, 2013
8. Fink, C.; Rabe, R.; Drescher, M.; Harndorf, H.: „Potenzial der Druckwellenbasierten Einspritzverlaufsformung zur Emissionssenkung mittelschnelllaufender Schiffsdieselmotoren“ in „Die Zukunft der Großmotoren II“ Harndorf, H. (Hrsg.), Haus der Technik Fachbuch Band 126, expert verlag 2012
9. Epp, M.; Hassel, E.; Fink, C.; Rabe, R.; Harndorf, H.: „Einfluss der Kraftstoffqualität auf den Einspritzvorgang und auf die innermotorischen Vorgänge“, HDT-Tagung Motorische Verbrennung, München, 24.–25. März 2011
10. Harndorf, H.; Rabe, R.; Wichmann, V.; Fink, C.; Buchholz, B.: „Strategien zur Erfüllung zukünftiger Emissionsvorgaben“, 1. Rostocker Großmotorentagung – Zukunft der Großmotoren im Spannungsfeld von Emissionen, Kraftstoffen und Kosten, Rostock, 16. –17. September 2010
11. Rabe, R.; Epp, M.; Harndorf, H.; Hassel, E.; Buchholz, B.: „Fuel Injection Strategies for Heavy Fuel Medium Speed Engines to Comply with Future Emission Limits“, CIMAC-Congress, Bergen, Norway, June 14–17, 2010
12. Rabe, R.; Fink, C.; Harndorf, H.; Epp, M.; Hassel, E.: „Angepasste Einspritzstrategien zur Reduzierung der Abgasemissionen für schweröltaugliche Großdieselmotoren“, 12. Tagung "DER ARBEITSPROZESS DES VERBRENNUNGSMOTORS", Graz, 24. –25. September 2009
13. Rabe, R.; Behrend, R.: „Effiziente Schiffsantriebssysteme durch Nutzung moderner Common Rail Einspritztechnologie“, Hansa - International Maritime Journal Nr. 6 Juni 2008



# CURRICULUM VITAE

PROF. DR.-ING. WIKTORIA VITH

## ZUR PERSON

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born Mai 09th, 1976 in Stalowa Wola (Poland)

maiden name: Walaszek

nationality: polnisch

marital status: married, 2 children

## BERUFLICHER WERDEGANG

---

- since August 2015 **Flensburg University of Applied Science**  
professor in the field of water treatment and diaphragm technology  
assignment: lectures and internships in the field of water treatment, environmental protection and environmental management, diaphragm technology; project work in various third-party funded projects, panel participation
- February 2007 /  
July 2015 **Hager + Elsässer GmbH, Stuttgart**  
plant engineering for water treatment and sewage purification  
Project engineer and sales manager in sewage and fresh water plant engineering  
assignment: conceptual design planning, procedural layout design of fresh water and sewage water plants for the industry, international sales activities, cost calculation (investment and operation), project valuation, project management from authority engineering to construction site setup, development of systematic design fundamentals
- April 2002 /  
January 2007 **Brandenburgische Technische Universität Cottbus**  
assistant professor with teaching load in the chair in treatment technology, faculty: environmental technology and process engineering  
assignment: research regarding the treatment of fluid special wastes, lectures and internships, raising of third party funds and project work
- April 2002 /  
January 2006 **Ingenieurbüro IPP Consult in Hildesheim**  
freelancer

assignment: contact management amongst German and Polish sewage treatment associations, compilation of sewage treatment concepts for sparsely populated areas, planning and design of sewage networks

## ACADEMIC BACKGROUND

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- May 2002  
January 2007
- Brandenburgische Technische Universität Cottbus**  
research and doctoral graduation on „*Strukturbildungsphänomene in der Pelletierungsflockung in Abhängigkeit von der Prozessführung in Hinblick auf die Optimierung der Feststoffkonditionierung*“, doctoral thesis supervisor: Prof. Dr. Peter Ay, mark: *magna cum laude*
- October 1998/  
February 2002
- Brandenburgische Technische Universität Cottbus**  
as scholar of Deutscher Akademischer Austauschdienstes DAAD  
Dipl. Ing. in environmental engineering and process engineering  
specialization: water technology and process engineering  
mark: *sehr gut*
- Oktober 1996/  
November 2002
- Technische Universität in Lublin (PL)**  
Dipl. Ing. environment protection  
specialization: water, sewage and waste treatment  
mark: *sehr gut*
-

PERSONAL INFORMATION

MILAN BATISTA

 Alojza Valenčiča 10, 6310 Izola, Slovenia

 00386 5 67676219

 [Milan.batista@fpp.uni-lj.si](mailto:Milan.batista@fpp.uni-lj.si)

Sex Male

Date of birth 19/06/1955

Nationality Slovenian

WORK EXPERIENCE

- 2019 - present Head of Chair of Safety
- 2004 – 2017 Member of the Senat of University of Ljubljana
- 1996 - 2015 Vice Dean of Faculty of maritime studies and Transportation
- 1981 - 1989 Research engineer
- 1989 - 1992 Head of Research Department at Iskra Power Tools

EDUCATION AND TRAINING

- Ph.D., Engineering, University of Ljubljana, 1995
- M.S., Mechanical Engineering, University of Ljubljana, 1986
- B.S., Mechanical Engineering, University of Ljubljana, 1979

PERSONAL SKILLS

Mother tongue(s) slovenian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	C1
Croatian	C1	C1	C1	C1	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Communication skills

- Appropriate level of communicativeness in establishing contacts and team work
- Appropriate level of public appearances in the media
- Appropriate level of personal competence and responsibility in assuming duties

Organisational / managerial skills

- - Formed managerial and organizational approach

- Formed attitude to work in a team
- Formed a relationship in situations of public speaking
- Experience in managing domestic and international projects
- leadership (currently responsible for a team of 30 people)

## Job-related skills

- Expert on road accidents in Slovenia
- Leader of Program group Modelling in maritime and transport

## Computer skills

- - Good knowledge of Microsoft Office (Word, Excel, Powerpoint, Project)
- Programing languages Fortran, C, Matlab
- Knowledge of working with software applications in the field of engineering

## Other skills

- Reference on the scientific and technical literature are evident from the base of researchers
- [https://www.researchgate.net/profile/Milan\\_Batista](https://www.researchgate.net/profile/Milan_Batista)
- <https://scholar.google.com/citations?hl=sl&user=ussl3koAAAAJ>

## Driving licence

- B

# Curriculum Vitae

- Personal

Name: Aleksander Sandro GRM  
Born: December 24, 1972, Koper, Slovenia  
Nationality: Slovenian  
Contact: [aleksander.grm@fpp.uni-lj.si](mailto:aleksander.grm@fpp.uni-lj.si)  
URL: [agrm.splet.arnes.si](http://agrm.splet.arnes.si)  
ORCID: [0000-0002-6386-9251](https://orcid.org/0000-0002-6386-9251)  
GoogleScholar: [asg-GS-link](#)



- Education

1. Diploma in Maritime Engineering - Navigation – 1994

Faculty for Maritime Studies and Transportation  
University of Ljubljana, Slovenia  
Graduate thesis: Calculation of hydrodynamic parameters for cargo ship long 120m,  
supervisor: MSc. Armand Klančič

2. Diploma in Physics – 2001

Faculty for Mathematics and Physics, Department of Physics  
University of Ljubljana, Slovenia  
Graduate thesis: Simulation of ship resistance in viscous media,  
supervisor: Prof.Dr. Rudolf Podgornik

3. Master in Applied Mathematica (Modelling and Simulation of Complex Realities) – 2003

Joint ICTP/SISSA, Trieste, Italy  
Completed 1<sup>st</sup> year (all master courses and 4 months research project)  
Project title: Modelling compressor valves in household refrigerator,  
supervisor: Prof. Dr. Thomas Götz

4. Ph.D. in Industrial Mathematics – 2007

TU Kaiserslautern, Kaiserslautern, Germany  
title: Mathematical Analysis of Macroscopic Models for Slow Dense Granular Flow  
Supervisor: Prof. Dr. Axel Klar, Prof. Emer. Dr. Helmut Neunzert

- Referees:

1. Prof. Dr. Axel Klar

University of Kaiserslautern, Department of Mathematics, Germany  
Contact: [klar@mathematik.uni-kl.de](mailto:klar@mathematik.uni-kl.de)

2. Prof. Dr. Rudolf Podgornik

University of Ljubljana, Faculty of Mathematics and Physics, Dep. of Physics, Slovenia  
Contact: [rudolf.podgornik@fmf.uni-lj.si](mailto:rudolf.podgornik@fmf.uni-lj.si)

- Language proficiency

Language	CEFR
English	C1
Italian	B2
German	A2

- Research Interest

- Marine hydromechanics (Theory & Numerics)
- Computational & Industrial mathematics (Numerics for PDE's & Perturbation methods)

- Work experience
  1. 2000-2001: HarphaSea Ltd., Koper, Slovenia  
 programmer on projects:
    - hydrographic applications (C++, autocad)
    - tracking vehicle equipped with GNSS & VHF Radio (C++)
    - geodesy with GPS (C++)
  2. 2001-2002: Maritime Biological Station, Piran, Slovenia  
 part time researcher on project Oceanographic buoy:  
 creation of data models and data base (MySQL) from acquired oceanographic data, data analysis and visualisation, data modelling (C++, MatLab® )
  3. 2001-2003: University of Ljubljana, Faculty of Maritime Studies and Transportation (FPP), Slovenia  
 - Assistant lecturer (tutorials in mathematics and mechanics for maritime engineers)
  4. 2007-2008: University of Nova Gorica, Slovenia  
 - Research assistant (tutorials in linear algebra and analysis for physicists and engineers)
  5. 2008-2014 : Centre for Computational Continuum Mechanics (C3M), Slovenia  
 - programmer: development of variety of codes in scientific computing, data visualisation, web services. Development performed in: C++, Java, C#, Python®, MatLab®, Wolfram Mathematica®  
 - project leader, leading R&D (CSO)  
 - involved in projects:
    - micro nano satellites propulsion analysis (cold and hot gas) (compressible fluid flow with slip boundary conditions)
    - extrusion of aluminium and recrystallization (non-Newtonian fluid flow, recrystallization model at the exit point)
    - electro-poration of tumour lesion (development of electro model and optimization procedure of optimal needles placement)
    - dissolution of stones in Karsic caves (incompressible fluid flow with particulate transport with moving mesh)
    - assessment of critical parameters in the procedure of cutting stone blocks (CFD + solid mechanics)
    - inclusion of aluminium scrap in manufacturing of aluminium alloy (stochastic linear programming)
  6. 2013 - 2017: University of Ljubljana, Faculty of Maritime Studies and Transportation (FPP), Slovenia  
 - Research assistant ((engineering mechanics and mathematics)
  7. 2018 - : University of Ljubljana, Faculty of Maritime Studies and Transportation (FPP), Slovenia  
 - Assistant professor (engineering mechanics and mathematics, marine hydrodynamics)
- Computer knowledge
  - Programming: C++, Java, C#, Python®, MatLab®, Octave®, Wolfram Mathematica®
  - IDE: Qt Creator, Eclipse, Visual Studio (Subversion, Git, Track)
  - Database: MySQL
  - OS: Linux (advanced), Windows (basics)
  - Software: familiar with variety of scientific computing software/libraries (BLAS, LAPACK, GSL, Deal.II, Fenics/Dolfin, FreeFEM++, OpenFOAM, VTK, ITK, ...), Ansys-Fluent, Ansys-Mechanical, Ansys-CFX, LS-Dyna; 3D modelling: SolidWorks, Rhino
  - Server/Client applications: development of WebServices in Java& Python® for the needs of distributed scientific computing support

- Bibliography

1. Vlado Malačič, Boris Petelin, Branko Čermelj, Aleksander Grm, Damir Deželjin. The coastal oceanographic station at the entrance of the Gulf of Trieste (Northern Adriatic). Third EuroGOOS Conference: building the European Capacity in operational oceanography , 03-06 December, 2002, Athens, Greece.
2. Aleksander Grm. Numerical solution of anti-planar shear model for granular flow using Runge-Kutta Discontinuous-Galerkin method with adaptive mesh refinement. Foundation of Computational Mathematics, 30 June–09 July, 2005, Santander, Spain.
3. Aleksander Grm. Symmetries in nonlinear PDE of slow dense granular flow. Recent advances in nonlinear PDEs and applications - Conference in honour of P.Lax and L.Nirenberg 80<sup>th</sup> birthday, 07-10 June, 2006, Toledo, Spain.
4. T. Šuštar, A. Grm, T. Rodič. M5 computations in space sciences and technologies. Slovenia and space : yesterday, today and tomorrow, 2010
5. A. Grm, P. Šuštar, J. Langus, T. Rodič. M5 computations in industrial problems. International conference on mathematical modelling and applications to industrial problems, MMIP 2011
6. Aleksander Grm, Tor-Arne Grönland, Tomaž Rodič. Numerical analysis of a miniaturised cold gas thruster for micro- and nano-satellites. Engineering computations, 2011
7. J. Langus, A. Grm, P. Šuštar, T. Šuštar, Tomaž. Advanced numerical methods in electroporation. IFMBE proceedings, 6th European Conference of the International Federation for Medical and Biological Engineering, MBEC 2014, 7-11 September 2014
8. A. Grm, M. Batista. Comparison of commercial and open source CFD software for calculation of vehicle aerodynamic coefficients. Proceedings in Kuhljevi dnevi, 2015
9. A. Grm, T. Šuštar, T. Rodič, F. Gabrovšek. A numerical framework for wall dissolution modeling : analysis of flute formation. Mathematical geosciences, 2016
10. A. Grm, M. Batista. On the coupling of analytical and FEM solution in stress analysis around the polygonal hole shape in a finite two-dimensional domain. International journal of mechanical sciences, 2016
11. A. Grm, M. Batista. Bending analysis of breasting dolphin in Port of Koper. Proceedings in Kuhljevi dnevi, 2016
12. F. Dimc, M. Bažec, A. Grm. Extraction of magnetic field anomalies from objects in a road infrastructure. V: European navigation conference, 30 May - 2 June 2016, Helsinki, Finland
13. A. Grm, M. Batista. Vehicle aerodynamic stability analysis under high crosswinds. Journal of Mechanical Engineering, 2017
14. A. Grm, M. Batista. Experimental estimation of material and support properties for flexible dolphin structures. International Journal of Maritime Science and Technology, 2017
15. A. Grm, M. Batista. Mathematical model for river boat dynamics. Shipbuilding, 2017
16. M. Bažec, A. Grm, F. Dimc. An eye on magnetic field anomalies along the roads. Coordinates, 2017
17. A. Grm, M. Perkovič, Structural impact of circular buckling fenders on tanker hull, Trends in the Analysis and Design of Marine Structures, 2019, pp. 203-209
18. A. Grm, Analysis of generic IGBEM for lifting hydrofoils, 8<sup>th</sup> Conference on Marine Technology
19. S. Panda, A. Grm, Multigrid Methods for the Simulations of Surfactant Spreading on a Thin Liquid Film, Mathematical Modelling, Optimization, Analytic and Numerical Solutions, Springer, 2020
20. A. Grm, Ships Added Mass Effect on a Flexible Mooring Dolphin in Berthing Manoeuvre, Journal of Marine Science and Engineering, 2021
21. A. Grm, S. Panda, On the material parameters identification of flexible mooring dolphin, Submitted to Ocean Engineering

- Conferences
  1. Foundations of computational mathematics, Santander, 2005 (poster session)
  2. Recent advances in non-linear partial differential equations and applications, Toledo, 2006 (poster session)
  3. International conference on mathematical modelling and applications to industrial problems, Calicut, India, 2011 (invited speaker)
  4. Modelling Week and Study Group Meeting on Industrial Problems, Calicut, India, 2013 (resource person)
  5. International Forum for Mathematical Modelling, Colombo, Sri Lanka, 2014 (invited lecturer, resource person)
  6. MARINSTRUCT 2019, Invited talk, Structural impact of circular buckling fenders on tanker hull
  7. 8<sup>th</sup> Conference on Marine Technology 2019, Invited talk, Analysis of generic IGBEM for lifting hydrofoils
- Academic visits
  1. Department of Mathematics, NIT Calicut, Calicut, India, 2013/03 - 1 month
  2. Department of Mathematics, University of Colombo, Sri Lanka, 2014/03 - 2 weeks
  3. Department of Marine Technology, NTNU, Trondheim, Norway, 2019/03 - 4 months
- Grants & Schools
  1. Fraunhofer kolege: Ph.D. scholarship (Fraunhofer ITWM, Kaiserslautern)
  2. School on Non-Equilibrium Dynamics of Interacting Particle Systems, 27.Mar–07.Apr 2006, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK  
→ Marie Curie fellowship
  3. Recent advances in non-linear PDEs and applications, Conference in honour of P.Lax and L.Nirenberg 80<sup>th</sup> birthday, 07–10 June, 2006, Toledo, Spain  
→ Conference grant
- Projects involved
  1. Nanostructured Magneto-electric and Multiferroic Systems, 2008-2011, Slovenian Research Agency
  2. M5 modelling in micro/nano satellites, 2009-2012, Slovenian Research Agency
  3. Development and validation of a software for numerical modelling of in vivo electroporation - in silico electroporation, 2011-2014, Slovenian Research Agency & FP7
  4. Development and application of advanced numerical and experimental methods in study of karst processes, 2011-2014, Slovenian Research Agency & FP7
  5. Radial forging process, 2013, GFM, Austria (industrial)
  6. Development of aluminium extrusion platform, application to non-Newtonian fluids and recrystallization, 2012, Impol Ltd., Slovenia (industrial)
  7. Stochastic modelling in aluminium alloy production using aluminium scrap: optimal aluminium alloy production and aluminium alloy mechanical properties, 2014, Impol Ltd, Slovenia (industrial)
  8. Navigability study of petrol terminal in port of Koper: Material analysis of flexible dolphin structures, Port of Koper, 2016 (industrial)



9. Joint project with yacht designer Andrej Justin on Maxi Sailing Boat - Justin 100, CFD and FEM computations, 2018 (industrial)
10. Joint project with yacht designer Andrej Justin on Catamaran Power Boat - KingCat 51, Power predictions and structural computations (CFD & FEM), 2018 (industrial)
11. Joint project with yacht designer Andrej Justin on Catamaran Power Boat - KingCat 51, Power predictions and structural computations for the foil assisted vessel (CFD & FEM), 2018 (industrial)
12. Lifting foil optimal shape design in the performance of foil assisted vessels, 2019 (academic)
13. PRACE – Dense Linear Algebra peta-scale parallelization, 2019 (academic)

Name, Surname	<h1>Blaž Luin</h1>
Personal Data	<ul style="list-style-type: none"> <li>● born 7.8.1981 in Ljubljana</li> <li>● citizen of Slovenia</li> <li>● married, 3 children</li> <li>● contact data: <ul style="list-style-type: none"> <li>○ cell phone: +386 41 689 552</li> <li>○ e-mail: blaz.luin@gmail.com</li> <li>○ postal address: Park pod Javorniki 6, SI-6230 Postojna, Slovenia</li> </ul> </li> </ul>
Education	<ul style="list-style-type: none"> <li>● in 2012 defended doctoral thesis titled Optimization of road tunnel control and was awarded with title PhD title in the field of Transportation and maritime sciences</li> <li>● 2009 - 2012 doctoral study at the University of Ljubljana</li> <li>● 2007 - 2012 post-graduate study Traffic science <ul style="list-style-type: none"> <li>○ Faculty of maritime studies and transport, University of Ljubljana</li> </ul> </li> <li>● since 2005 post-graduate study of Electrical engineering <ul style="list-style-type: none"> <li>○ Faculty of Electrical Engineering, University of Ljubljana</li> </ul> </li> <li>● 4.10.2005 received university degree in Electrical engineering <b>univ. dipl. ing. elektrotehnike (MSc equivalent)</b> <ul style="list-style-type: none"> <li>○ Faculty of Electrical Engineering, University of Ljubljana</li> <li>○ Major: Medical cybernetics, Automatics</li> <li>○ Average Grade: 8.9</li> <li>○ Diploma Title: Primerjava časovnih in slikovnih značilik za preverjanje avtentičnosti podpisov</li> </ul> </li> <li>● in 2000 finished secondary school Gimnazija Jožeta Plečnika, Ljubljana best score in school on final examination</li> </ul>
Work	<ul style="list-style-type: none"> <li>● since 2019 <ul style="list-style-type: none"> <li>○ assistant professor at Faculty of maritime studies and transport</li> </ul> </li> <li>● since 2012: <ul style="list-style-type: none"> <li>○ teaching assistant at Faculty of maritime studies and transport, University of Ljubljana for courses: <ul style="list-style-type: none"> <li>● Communication equipment</li> <li>● Ship electronics</li> <li>● Traffic automation</li> <li>● Modelling and simulations</li> <li>● Traffic flow theory</li> <li>● Engineering graphics, Engineering drawing and documentation</li> <li>● Thermodynamics</li> <li>● Cooling systems</li> </ul> </li> <li>○ Project work: <ul style="list-style-type: none"> <li>● Leading Interreg MUSE project at the project partner institution</li> <li>● Precise LIDAR-based ship positioning in port of Koper</li> <li>● Student projects: Use of multicopter for surveillance of traffic systems, Web based interface for logistic services, Automatic fire extinguishing on small boats</li> </ul> </li> </ul> </li> <li>● 2007 - 2012: <ul style="list-style-type: none"> <li>○ <b>junior researcher</b> at Faculty of maritime studies and transport, University of Ljubljana <ul style="list-style-type: none"> <li>■ area of expertise: varnost v predorih, računalniške simulacije</li> <li>■ Project work: <ul style="list-style-type: none"> <li>● Road tunnel operator training simulator (2009-2012): development of core algorithms and physical models</li> </ul> </li> </ul> </li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>● Risk analysis for road tunnels: Golo Rebro, Pletovarje</li> <li>● Risk analysis review: Ločica and Jasovnik tunnels</li> <li>● 2006 - 2007: <ul style="list-style-type: none"> <li>○ self-employed in Luin d.o.o. (ltd) <ul style="list-style-type: none"> <li>■ network server administration (Linux based)</li> <li>■ programming fire control panels</li> <li>■ software development</li> </ul> </li> </ul> </li> <li>● 2005 - 2006: <ul style="list-style-type: none"> <li>○ working for IMK elektronika d.o.o.</li> <li>○ development engineer</li> <li>○ software and communication systems development for industrial scales: <ul style="list-style-type: none"> <li>■ communication protocols (TCP/IP, RS-485, Profibus, Modbus)</li> <li>■ GUI (Embedded devices, WinCE, Linux)</li> </ul> </li> </ul> </li> <li>● until 2005: student part-time work <ul style="list-style-type: none"> <li>○ software programming (C, C++)</li> <li>○ server administration (Linux)</li> </ul> </li> </ul>
Publications	<ul style="list-style-type: none"> <li>● Scientific papers <ul style="list-style-type: none"> <li>○ 10 original scientific papers in SCI indexed journals, among which are with IF above 4</li> <li>○ research areas: traffic energy consumption analyses, risk analyses</li> <li>○</li> </ul> </li> </ul>
Skills	<ul style="list-style-type: none"> <li>● <b>languages</b> <ul style="list-style-type: none"> <li>○ mother tongue: Slovenian</li> <li>○ fluent: English (University of Ljubljana certificate in fluency), Russian</li> <li>○ basic understanding: German, Ukrainian, Croatian</li> </ul> </li> <li>● <b>software skills</b> <ul style="list-style-type: none"> <li>○ development tools: C, C++11, Python (Numpy, Pyplot), Qt, GTK, OpenCV, Netbeans, Eclipse</li> <li>○ office: MS Office (Word, Excel), LibreOffice, Google Docs</li> <li>○ scientific tools: Matlab (Simulink), Maple, Mathematica, R (statistics), Scilab, osnove LabView</li> <li>○ tunnels: IDA Tunnel ventilation</li> <li>○ traffic simulation: Vissim, Visum, SUMO</li> <li>○ tunnel risk calculation: PIARC - OECD QRAM, RWQRA</li> <li>○ operating systems: <ul style="list-style-type: none"> <li>■ Linux - administration/developer level</li> <li>■ Windows</li> <li>■ Windows CE, Windows Mobile</li> <li>■ Raspberry PI, Arduino</li> </ul> </li> </ul> </li> </ul>

## PERSONAL INFORMATION

## Marko Perkovic

 Kampel 68a, 6000 Koper (Slovenia)

 +386.41.344569

 Marko.Perkovic@fpp.uni-lj.si

Sex Male | Date of birth 17 Jun 1970 | Nationality Slovenian

## WORK EXPERIENCE

10 Jul 1990–9 Jul 1992

## Cadet and acting deck officer

Splošna plovba, International Shipping and Chartering Ltd, Portorož (Slovenia)

Business or sector International Shipping and Chartering

14 Feb 1997–14 Feb 1998

## Assistant and acting Marine Engineer Officer

Genshipping corporation, Portorož (Slovenia)

Business or sector International Shipping and Chartering

1 Oct 1998–Present

## Assistant lecturer, senior lecturer, department head

University of Ljubljana, Faculty of maritime studies and transport, Portorož (Slovenia)

16 Jun 2008–15 May 2009

## Seconded national expert

European Commission Joint Research Centre, Ispra (Italy)

1 Jul 2001–30 Sep 2001

## Loading master

Instalacija, d.o.o, Koper (Slovenia)

Business or sector Storage and handling of petroleum products

## EDUCATION AND TRAINING

1 Oct 1990–19 Jun 1996

## Nautical Engineer, Watch keeping officer

University of Ljubljana, Faculty of maritime studies and transport  
Pot oimorskakov 4, 6320 Portoroz (Slovenia)

Ships theory, Navigation, Meteorology, Cargohandling,

VI

1 Oct 1993–19 Jun 1996

## Marine engineer, engine room officer

University of Ljubljana, Faculty of maritime studies and transport  
Pot pomorskakov 4, 6320 Portoroz (Slovenia)

Ships propulsion, hydraulic, thermodynamic, auxiliary engines, firefighting,

VI

1 Oct 1993–18 Jan 1997

## Transportation

University of Ljubljana, Faculty of Maritime studies and transport  
Pot pomorskakov 4, 6320 Portoroz (Slovenia)

Ports and terminal, modeling and simulation, accounting, human resources, GIS, cybernetic

VII

14 Jan 1997–14 May 2001

## Maritime Studies, MSc

VIII

University of Ljubljana, Faculty of Maritime Studies and Transport  
 Pot pomorscakov 4, 6320 Portoroz (Slovenia)

Applied mathematic, transport systems, environmental chalanges, modeling and simulation

2 Feb 2011–5 Feb 2020

**PhD in civil engineering and transport**

Maritime University of Szczecin, Szczecin (Poland)

Remote sensing (space), environmental pollution, navigation, risk assessment, mathematical modeling

**PERSONAL SKILLS**

Mother tongue(s) Slovenian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Croatian	C2	C2	C2	C2	C1
English	C2	C2	C1	C1	B2
Italian	A2	A2	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
 Common European Framework of Reference for Languages - Self-assessment grid

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

SysAdmin of Maritime simulators and VTMISS applications



● **WORK EXPERIENCE**

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2009 – CURRENT – Portorož, Slovenia

**ASSISTANT IN THE FIELD OF TRANSPORT TECHNOLOGY AND LOGISTICS – UNIVERSITY OF LJUBLJANA, FACULTY OF MARITIME STUDIES AND TRANSPORT**

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- pedagogical work on the 1st and 2nd Bologna level of studies - subjects in the field of transport system, transport technology, ports and terminals, maritime logistics and freight forwarding (a list of all the subjects is available on the FPP website).
- administrator for professional practice of students (communication with students and employers)
- administrator for Maritime Agent exam (cooperation with the Slovenian Ministry of Infrastructure)

2008 – 2009 – Koper, Slovenia

**INDEPENDENT EXPERT IN THE EXPORT DEPARTMENT OF A FREIGHT FORWARDING AGENCY – DB SCHENKER D.D.**

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- organization of international container shipping (land and maritime)
- customer communication
- liquidation and invoicing

2007 – 2008 – Koper, Slovenia

**COMMERCIALIST – MATON D.O.O.**

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- Sales department for windows and doors

2005 – 2005 – Koper, Slovenia

**SHIPPING AGENT – JADROAGENT INTERNATIONAL D.O.O.**

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- Clerk in the ZIM export department

● **EDUCATION AND TRAINING**

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2012 – 2017 – Pot pomorščakov 4, Portorož, Slovenia

**PHD – University of Ljubljana, Faculty of Maritime studies and Transport**

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2008 – 2012 – Pot pomorščakov 4, Portorož, Slovenia

**MSC – University of Ljubljana, Faculty of maritime studies and transport**

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2006 – 2008 – Pot pomorščakov 4, Portorož, Slovenia

**BSC – University of Ljubljana, Faculty of Maritime Studies and Transport**

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## ● LANGUAGE SKILLS

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Mother tongue(s): **SLOVENIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C2	C1	C1	C2
<b>ITALIAN</b>	C2	C2	C2	C2	C2
<b>SPANISH</b>	C1	B2	B2	B2	A2
<b>SERBIAN</b>	C2	C2	C2	C2	C1
<b>CROATIAN</b>	C2	C2	C2	C2	C1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## ● DIGITAL SKILLS

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Microsoft Office | Microsoft Visio | End Note | FlexSim | FlexTerm

## ● DRIVING LICENCE

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Driving Licence: B

## ● COMMUNICATION AND INTERPERSONAL SKILLS

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### Communication skills

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- communication skills gained through my experience with interactive work with students and work colleagues,
- participation in the international conferences,
- team work in international projects,
- good communication skills gained through my working experience in the logistic sector.

## ● PROJECTS

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2019 – CURRENT

**Razvoj trajnostnega modela rasti "zelenega pristanišča".** Portorož: Univ. Ljubljana, Fak. za pomorstvo in promet.

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2018 – 2020

**Razvoj intermodalnega transporta, intermodalnih vozlišč in zalednega omrežja regije vzhodnega Jadrana.** Portorož: Univ. Ljubljana, Fak. za pomorstvo in promet.

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2013 – 2016

**IPA, EA SEA-WAY.** Portorož: Univ. Ljubljana, Fak. za pomorstvo in promet.

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2010 – 2010

**Distribucija tovora iz Luke Koper.** Portorož: Univ. Ljubljana, Fakulteta za pomorstvo in promet.

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## ● NETWORKS AND MEMBERSHIPS

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2010 – CURRENT

**Member of the Slovenian Society for Transport Science (SDZP)**

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## ● ADDITIONAL PROFESSIONAL ACTIVITIES

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2021 – CURRENT

**Reviewer in the international scientific journal PROMET - Traffic & Transportation**

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## ● PUBLICATIONS

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**GIUFFRIDA, Nadia, STOJAKOVIĆ, Maja, TWRDY, Elen, IGNACCOLO, Matteo.** The importance of environmental factors in the planning of container terminals : the case study of the Port of Augusta. Applied sciences. 2021, no. 5, 2153, str. 1-13. ISSN 2076-3417. <https://www.mdpi.com/2076-3417/11/5/2153>, DOI: 10.3390/app11052153.

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2021

**STOJAKOVIĆ, Maja, TWRDY, Elen.** Determining the optimal number of yard trucks in smaller container terminals. European transport research review. [Online ed.]. 2021, vol. 13, no. 22, str. 1-12. ISSN 1866-8887. <https://etrr.springeropen.com/articles/10.1186/s12544-021-00482-6>, DOI: 10.1186/s12544-021-00482-6.

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2021



STOJAKOVIĆ, Maja, TWRDY, Elen. A simulation approach to the definition of the subsystems parameters in small container terminals. *Journal of marine science and engineering*. 2021, vol. 9, iss. 9, str. 1-15. ISSN 2077-1312. <https://www.mdpi.com/2077-1312/9/9/1023>, DOI: 10.3390/jmse9091023.

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2021

STOJAKOVIĆ, Maja, TWRDY, Elen. The influence of yard trucks on berth operations in smaller container terminals. *Pomorstvo : journal of maritime studies*. 2019, vol. 33, no. 2, str. 171-175. ISSN 1332-0718. [https://hrcak.srce.hr/index.php?show=clanak&id\\_clanak\\_jezik=333380](https://hrcak.srce.hr/index.php?show=clanak&id_clanak_jezik=333380), DOI: 10.31217/p.33.2.6.

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2019

BEŠKOVNIK, Bojan, STOJAKOVIĆ, Maja. Establishing an efficient outbound overseas logistics chain of small consignments : the perspective of Eastern Adriatic region. *Transport problems : international scientific journal*. [Printed ed.]. 2019, vol. 14, no. 4, str. 113-125. ISSN 1896-0596. [http://transportproblems.polsl.pl/pl/Archiwum/2019/zeszyt4/2019t14z4\\_10.pdf](http://transportproblems.polsl.pl/pl/Archiwum/2019/zeszyt4/2019t14z4_10.pdf), DOI: 10.20858/tp.2019.14.4.10.

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2019

ZANNE, Marina, TWRDY, Elen, ŽLAK, Boštjan, STOJAKOVIĆ, Maja. Development possibilities for ferry transport in Adriatic-Ionian region. *Ekonomiczne Problemy Usług*. 2016, no. 124, str. 39-52. ISSN 1896-382X. DOI: 10.18276/epu.2016.124-04.

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2016

STOJAKOVIĆ, Maja, TWRDY, Elen. A decision support tool for container terminal optimization within the berth subsystem. *Transport*. [Print ed.]. 2016, vol. 31, no. 1, str. 29-40. ISSN 1648-4142. DOI: 10.3846/16484142.2014.994226.


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2016

PERSONAL INFORMATION

ELEN TWRDY



 Vlahovičeva 47, 6280 Ankaran, Slovenia

 00386 31 657 038

 [elen.twrdy@fpp.uni-lj.si](mailto:elen.twrdy@fpp.uni-lj.si)

Sex Female

Date of birth 08/01/1966

Nationality Slovenian

WORK EXPERIENCE

- 2019 - present Head of Department of Transport technology
- 2007 – 2019 Dean of Faculty of maritime studies and transportation  
University of Ljubljana
- 2017 - present Member of the Senat of University of Ljubljana
- 2004-2007 Vice Dean of Faculty of maritime studies and Transportation
- 2001-2006 Head of Department for Transport systems: 2001-2006
- 2013 – 2017 Deputy president of the Supervisory board of Port of Koper
- 2016 - present Member of Business Advisory Board of Aerodrom Ljubljana d.o.o.
- 2014 - present Member of the Supervisory board of Primorske novice d.o.o.

EDUCATION AND TRAINING

- Ph.D., Transport Engineering, University of Ljubljana, 2003
- M.S., Transport Engineering, University of Rijeka, 1995
- B.S., Transport Engineering, University of Rijeka, 1990

PERSONAL SKILLS

Mother tongue(s) slovenian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	C1
Italian	C1	C1	C1	C1	B2
Croatian	C1	C1	C1	C1	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Communication skills

- Appropriate level of communicativeness in establishing contacts and team work
- Appropriate level of public appearances in the media
- Appropriate level of personal competence and responsibility in assuming duties

- Organisational / managerial skills
- - Formed managerial and organizational approach
  - Formed attitude to work in a team
  - Formed a relationship in situations of public speaking
  - Experience in managing domestic and international projects
  - leadership (currently responsible for a team of 30 people)
- Job-related skills
- President of the Organizing Committee of the International Conference on Science ICTS
  - Implementation of professional training in the field of transport technology and transport system
- Computer skills
- - Good knowledge of Microsoft Office (Word, Excel, Powerpoint, Project)
  - Knowledge of working with software applications in the field of transport systems
- Other skills
- Reference on the scientific and technical literature are evident from the base of researchers  
<http://www.sicris.si/search/rsr.aspx?lang=slv&id=9268> - 16152 Elen Twrdy - Transport
- Driving licence
- B

## Europass Curriculum Vitae



### Personal information

**First name(s) / Surname(s)** Peter Vidmar  
**Address(es)** Dekani 310, 6271 Dekani, Slovenia  
**Telephone(s)** +386 5 6767 295 **Mobile:** +386 41 687 304  
**Fax(es)** +386 5 6767 295  
**E-mail** [Peter.vidmar@fpp.uni-lj.si](mailto:Peter.vidmar@fpp.uni-lj.si)  
**Nationality** Slovenian  
**Date of birth** 01.09.1977  
**Gender** Male

### Desired employment / Occupational field

**University professor**

### Work experience

**Dates** 1999 -> University of Ljubljana, Faculty of maritime study and transport  
**Occupation or position held** 2019 – dean of the Faculty of maritime study and transport  
 2015 – head of maritime department  
 2013 - court expert for road transport  
 2011 – vice dean for student affairs  
 2010 – vice dean for research  
 2009 to 2011 – head of maritime department at University of Ljubljana  
 2009 – head of supervisor board  
 2008 – assistant professor at University of Ljubljana  
 2005 to 2008 – senior lecturer at University of Ljubljana

**Main activities and responsibilities** Education and research in marine engineering and transport field  
**Name and address of employer** University of Ljubljana, Faculty of maritime study and transport, Pot pomorščakov 4, 6320 Portorož  
**Type of business or sector** Education and research

### Education and training

**Dates** 2003 – 2007  
**Title of qualification awarded** Doctor of Science  
**Principal subjects/occupational skills covered** Safety analysis in tunnel spaces and fire modelling  
**Name and type of organisation providing education and training** University of Ljubljana, Faculty of maritime study and transport  
**Level in national or international classification** IX. level

Dates 2000 - 2003  
 Title of qualification awarded Master of Science in Nuclear Technology  
 Principal subjects/occupational skills covered Safety assessment and analysis  
 Name and type of organisation providing education and training University of Ljubljana, Faculty of mathematics and physics  
 Level in national or international classification VIII. level

Dates 1999- 2000  
 Title of qualification awarded B.Sc. Transport technology  
 Principal subjects/occupational skills covered Safety assessment of road tunnel safety  
 Name and type of organisation providing education and training University of Ljubljana, Faculty of maritime study and transport  
 Level in national or international classification VII. level

Dates 1996- 1999  
 Title of qualification awarded B.Sc. Transport technology  
 Principal subjects/occupational skills covered Process analysis, steam turbine systems  
 Name and type of organisation providing education and training University of Ljubljana, Faculty of maritime study and transport  
 Level in national or international classification VII. level

**Personal skills and competences**

Mother tongue(s) **Slovenian**

Other language(s) **English, Italian, Croatian**

		Understanding				Speaking				Writing	
		Listening		Reading		Spoken interaction		Spoken production			
<b>English</b>	C1	Proficient	C1	Proficient	B1	Independent	B1	Independent	B1	Independent	
<b>Italian</b>	C1	Proficient	C1	Proficient	C1	Proficient	C1	Proficient	C1	Proficient	
<b>Croatian</b>	C1	Proficient	C1	Proficient	C1	Proficient	C1	Proficient	B1	Independent	

(\*) [Common European Framework of Reference for Languages](#)

Social skills and competences - team spirit;  
 - good ability to adapt to multicultural environments, gained through my work experience;  
 - good communication skills gained through my experience as professor.

Organisational skills and competences	<p>Dean of the Faculty of maritime study and transport 2019 -&gt;  Head of maritime department 2008 – 2011, 2015-2018  Quality standards responsible 2008 -&gt;  Vice dean 2011-&gt;  Board person at the Slovenian sailing federation 2011-&gt;  President of the Academic sailing club 2008 -&gt;  Sailing coach 2010-&gt;</p>
Technical skills and competences	<p>His activity is mainly directed in simulation and safety analyses of maritime and transportation system with emphases on road tunnel safety assessments and industrial systems (port facilities, LNG terminals). His background includes mechanical engineering, material and welding technology and CFD modelling. He has several references on research and applicative projects about safety assessments. He has participated on over thirty international conferences all over the world and his bibliography includes several scientific papers. He is the active member of the Slovenian society for traffic science.</p> <ul style="list-style-type: none"> <li>- Practical skills in fabrication using various mechanical machinery and hand tools</li> </ul>
Computer skills and competences	<p>Perfect use of computer and programs; Windows, Office, Autocad,....  Programming skills; Fortran</p>
Artistic skills and competences	<p>Motorbike painting</p>
Other skills and competences	<ul style="list-style-type: none"> <li>- Officer in charge for Engineering Watch</li> <li>- Yacht Master</li> <li>- Basic ship training</li> <li>- GMDSS-GOC</li> <li>- ARPA</li> <li>- ISPS</li> <li>- Tanker safety</li> <li>- Advance fire fighting</li> <li>- Medical care</li> <li>- Security Awareness</li> <li>- Designated security duties</li> <li>- Sailing trainer</li> </ul>
Driving licence	<p>Category A  Category B</p>

## PERSONAL INFORMATION

## MARINA ZANNE



📍 Slavinje 1, 6225 Hrusevje, Slovenia

☎ +386567672112 📠 +38641365742

✉ [Marina.Zanne@fpp.uni-lj.si](mailto:Marina.Zanne@fpp.uni-lj.si)

Sex Female | Date of birth 11/05/1976 | Nationality Slovene

## WORK EXPERIENCE

February 2016 -

**Assist. prof.**

University of Ljubljana, Faculty of Maritime Studies and Transport

Preparing and delivering lectures in courses on Transport economics and management  
Education

April 2009 - February 2016

**Senior lecturer**

University of Ljubljana, Faculty of Maritime Studies and Transport

Preparing and delivering lectures and conducting tutorials in courses on Transport economics and management  
Education

February 2002 - April 2009

**Teaching assistant**

University of Ljubljana, Faculty of Maritime Studies and Transport

Conducting tutorials in courses on Transport economics and management  
Education

February 2004 -

**Researcher**

University of Ljubljana, Faculty of Maritime Studies and Transport

Leader on bilateral project on transport policy with FYRM

Member of a research team at Captain, EA SeaWAY, IFreight Med – DC, Adriatic Baltic Landbridge, MOS – Motorways of the Sea, SoNoRA and several national projects

## EDUCATION AND TRAINING

October 2008 – October 2013

**DSc**

University of Ljubljana, Faculty of Economics

▪ Knowledge on research methods, advanced econometrics, quantitative methods

October 2001 – July 2005

**MSc**

University of Ljubljana, Faculty of Maritime Studies and Transport

▪ Extensive knowledge on transport technology with the focus on economic aspect of transport processes

October 1998– September 2001

**BSc**

University of Ljubljana, Faculty of Maritime Studies and Transport

▪ Knowledge on transport technology, transport economics, statistics

October 1994– May 2001

**BEng**

University of Ljubljana, Faculty of Mathematics and Physics

- Applicable mathematics

**OTHER PROFESSIONAL ACTIVITIES**

Membership in professional bodies

Slovene Association of Transport Sciences, president

The Association of Traffic Engineers of Slovenia,

Other

Member of the faculty's programme team from 2014-2017 and from 2020-

**PERSONAL SKILLS**

Mother tongue(s)

Croatian, Slovenian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
TOEFL					
Italian	B1	B1	B1	B2	B1

Communication skills

- Good communication skills gained through my participation in different project teams

Organisational / managerial skills

- President of the organizing committee of the International Conference on Transport Science since 2010
- Member of the organizing committee of the International Conference on Transport Science since 2005
- International Maritime Science Conference – IMSC, member of organizing committee and of editorial board in 2014

Job-related skills

- Good public speaking gained through my lecturing years and participation in various conferences
- Active teaching methods seminar, September 2009
- Fundamentals of higher education didactics seminar, March–May 2008

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Proficient user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user  
[Digital competences - Self-assessment grid](#)

**ECDL**

- Proficient user of office suite (word processor, spread sheet, presentation software, database software and publisher)
- Experienced user of MS Visio
- Designer and administrator of two WP web pages



Driving licence ▪ A and B

#### ADDITIONAL INFORMATION

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Publications ▪ 21 papers published in journals (+ 1 in process)

Conferences ▪ 41 papers presented on international conferences (+ 2 in process)

Projects ▪ 18 reports related to project work

Monographies ▪ 1, published in UK

Textbooks ▪ 1

Secondary author ▪ Member of editorial board in SCI Journal, Editor of 16 books of conference proceedings

Thesis supervisor ▪ Around 65

References ▪ <http://izumbib.izum.si/bibliografije/A20200210180453-27796.html> (complete list)

## PERSONAL INFORMATION

**Mate Baric, PhD**

 Don Jose Felicinovica, 23000 Zadar, Croatia

contact: [mbaric@unizd.hr](mailto:mbaric@unizd.hr), +385995982800

## WORK EXPERIENCE

- 08/2006–03/2007 **Deck Cadet**  
Tankerska Plovidba, Zadar (Croatia) – AfraMax tanker
- 06/2007–09/2007 **Deck Cadet**  
Jadrolinija, Rijeka (Croatia) , Ro-RO vessels
- 02/2011–05/2011 **Ships' deck officer**  
Tankerska plovidba, Zadar (Croatia) AfraMax tanker
- 10/2012–07/2017 **Research assistant/STCW Instructor**  
Faculty of maritime studies, University of Rijeka (Croatia)
- 07/2017–09/2018 **Research assistant/STCW Instructor/ Postdoc assistant**  
Maritime department, University of Zadar (Croatia)
- 09/2018–09/2021 **Assistant professor/STCW Instructor/**  
Maritime department, University of Zadar (Croatia)
- 10/2021 **Deputy Head of Department**  
Maritime department, University of Zadar (Croatia)

## EDUCATION AND TRAINING

- 09/2002–06/2006 **Ship navigator**  
Secondary high school, Zadar (Croatia)
- 09/2007–07/2010 **Bachelor of nautical studies and maritime transport technologies** EQF level 6  
Faculty of maritime studies, Rijeka (Croatia)
- 09/2010–06/2012 **Master of nautical studies and maritime transport technologies** EQF level 7  
Faculty of maritime studies, Rijeka (Croatia)
- 03/2013–11/2017 **PhD of nautical studies and maritime transport technologies**  
Faculty of maritime studies, Rijeka (Croatia)

## PERSONAL SKILLS

Mother tongue(s) Croatian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Italian	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Job-related skills Croatian agency for science and higher education team member for reaccreditation of (2012):

- Undergraduate program for Maritime department University of Zadar
- Undergraduate program for Maritime department University of Dubrovnik
- Undergraduate and graduate program for Faculty of maritime studies University of Split

Certificate for Officer of the watch for vessels over 500 GT

Certificate for MASTER for vessels under 500 GT

Researcher/Administrator on the EU: projects:

- **"ACTs - Avoiding collisions at sea"**
- **"ACTs PLUS - Advanced avoiding collisions at sea"**
- **"TRECNET – Licences for boating industry"**

STCW instructor – 10 courses (Including Basic and Advanced Oil Tankers)

TRANSAS NAVI-SAILOR 5000 SIMULATOR Instructor certificate

KONSBERG K-Sim engine room simulator Instructor certificate

Royal Institute of Navigation - Journal of Navigation reviewer

AutoCAD user certificate

Research papers at: <https://scholar.google.hr/citations?user=A9pE-IAAAAJ&hl=hr>

Computer skills Good command of office suite, Auto CAD, Corel DRAW,

Driving licence A and B categories

#### ADDITIONAL INFORMATION

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- Barić, Mate; Mohović, Robert; Pavić, Vinko. The Simulation of Sloped Bank Effect Influence on Container Ship Trajectory. *Journal of marine science and engineering*, 9 (2021), 11; 1-9 doi:10.3390/jmse9111283
- Novaselić, Marko; Mohović, Robert; Barić, Mate; Grbić, Luka. Wind Influence on Ship Manoeuvrability – a Turning Circle Analysis. *TransNav*, 15 (2021), 1; 47-51 doi:10.12716/1001.15.01.03
- Barić, M., Brčić, D., Kosor, M., Jelic, R. An axiom of true courses calculation in great circle navigation. *Journal of Maritime Science and Engineering, Marine Measurements: Theory, Methods and Applications* 9(6), 2021, pp 603.
- Novaselic, M., Mohović, R., Barić, M., Grbic, L. Wind influence on ship manoeuvrability – a turning circle analysis. *TransNav – International Journal on Marine Navigation and Safety of Sea Transportation*, Volume 15 (1),. March 2021.
- Gundić, A., Županović, D., Grbić, L., Barić, M. (2020). Conceptual Model of Measuring MHEI Efficiency. *Education Sciences* 10 (12), doi: 10.3390/educsci10120385.
- Toman, I., Mohović, Đ., Barić, M. (2020). The Correlation Between Strong Wind and Leisure Craft Grounding In Croatia Waters. *Transactions on Maritime Science-TOMS* 9 (2), pp. 224-235, doi: 10.7225/toms.v09.n02.007
- Toman, I., Vidan, P., Barić, M., Grbić, L. (2020). Realism of TRANSAS NTPRO 5000 Radar Simulation in Search and Rescue Training Exercises. *Transactions on Maritime Science-TOMS* 9 (1), pp. 99-105, doi: 10.7225/toms.v09.n01.09
- Barić, M., Mohović, R., Mohović, Đ. (2019). Determining Restricted Fairway Additional Width due to Bank Effect for Fine Form Vessels, *Journal of Navigation* 72 (6), pp. 1435-1448, doi: 10.1017/S0373463319000250
- Županović, D., Grbić, L., Barić, M. (2019). The impact of the New Panama canal on Cost-Saving in the shipping industry. *TransNav – International Journal on Marine Navigation and Safety of Sea Transportation* 13 (3), pp. 537-541, doi: 10.12716/ 1001.13.03.07.
- Barić, M., Čulin, J., Bielić, T. (2018). Problems that occur in a team: Learning from maritime accidents via simulator training. *TransNav – International Journal on Marine Navigation and Safety of Sea Transportation* 12 (4),
- Mohović, Đ., Mohović, R., Barić, M. (2016). Deficiencies in Learning COLREGs and New Teaching Methodology for Nautical Engineering Students and Seafarers in Lifelong Learning Programs. *Journal of Navigation* 69 (4), pp- 765-776, doi: 10.1017/ S037346331500096X
- Mohović, Đ., Barić, M., Išković, H. (2013). Contribution to the Improvement of the Safety of Navigation of Leisure Crafts. *Scientific Journal of Maritime Research* 27 (1), pp- 117-130
- Grbić, L., Barić, M., Cimera, K., Čurin, D. (2019). Water Carrying Ships in the Adriatic Region - Zadar Region Analysis. *Pomorski zbornik* 57, pp. 89-95, doi: doi:10.18048/2019.57.06.
- Brčić, D., Barić, M., Mohović, R. (2017). On Vessel to Vessel Interaction during Head-on encounter. *Pomorski zbornik* 53, pp. 35-52, doi: 10.18048/5303
- Grubišić, N., Vilke, S., Barić, M. (2015). A Contribution to Berth Allocation Problem Solution with Draft Restrictions. *Pomorski zbornik* 49-50, pp. 127-142.
- Grbić, L., Barić, M., Ivanišević, D., Gundić, A.. (2020). Overtaking vessels – COLREGs vs Practice. *Proceedings of the 1st International Conference on Maritime Education and Development*. Durban University of Technology, Durban, South Africa, Springer International Publishing, Switzerland. Durban, South Africa. ISBN: 978-3-030-64088-0
- Mohović, Đ., Barić, M., Mohović, R., Ivče, R. (2019). A new e-platform for successful learning of COLREGs. *Naše more 2019; Conference proceedings. 1st International Conference of Maritime Science & Technology*, Dubrovnik, Croatia, pp. 435-441. ISBN: 978-953-7153-52-6.
- Ziarati, R., Velikov, N., Mohovic, Đ., Lahiry, H., OzTurker, E., Akdemik, B., Mohovic, R., Ivce, R., Baric, M., Teege, S. (2019). A Need for Some Changes in the COLREGs, its Teaching and Learning For Preventing Collisions at Sea. *IMLA Proceeding. The 26th International Maritime Lecturers Association Conference (IMLA 26) "Modern Challenges in Maritime Education and Training"*, Batumi, Georgia. ISBN: 978-9941-9642-0-6.
- Barić, M., Mohović, R., Mohović, Đ., Grbić, L. (2019). Comparison between simulator modelled and empirical ship squat prediction. *Advances in marine navigation and safety of sea transportation. 13th International Conference on Marine Navigation and Safety of Sea Transportation*, Gdynia, Poland. CRC Press, 2019, pp.17-20. ISBN: 978-0-367-35760-3.
- Ziarati, R., Velikov, N., Mohovic, Đ., Lahiry, H., OzTurker, E., Akdemik, B., Mohovic, R., Ivce, R., Baric, M., Teege, S. (2017). Avoiding Collisions At Sea – Pareto Analysis. *Proceeding of 18th Annual General Assembly of the International Association of Maritime Universities. 18th Annual General Assembly of the International Association of Maritime Universities*, Varna, Bulgaria. Nikolai Vaptsarov Naval Academy Varna, Bulgaria, 2017, pp.19-28. ISBN: 978-954-8991-96-4.
- Brčić, D., Žuškin, S., Barić, M. (2017). Observations on ECDIS Education and Training. *Marine Navigation: Proceedings of 12th International Conference on Marine Navigation and Safety of Sea Transportation. 12th International Conference on Marine Navigation and Safety of Sea Transportation*, Gdynia, Poland. CRC Press ; Taylor & Francis Group, 2017, pp. 29-38. ISBN: 978-1-138-29762-3.
- Mohović, Đ., Barić, M., Mohović, R. (2016). Innovative way of teaching COLREGs. *Maritime transport VII. 7th International Conference on Maritime Transport*, Barcelona, Spain. BarcelonaTech, 2016, pp. 125-130. ISBN: 978-84-9880-591-8
- Kos, S., Barić, M., Brčić, D. (2016). Discrepancies between predicted and final IGS ionospheric maps in the Northern Adriatic region. *Proceedings of 9th Annual Baška GNSS Conference. 9th Annual Baška GNSS Conference*, Baska, Croatia. University of Rijeka, Faculty of Maritime Studies & The Royal Institute of Navigation, 2016, pp. 35-52.
- Kos, S., Vukić, M., Barić, M. (2016). AIS as VHF Communication Improvement. *ITS for Efficient Energy Use. 24th International Symposium on Electronics in Transport. Electronical Association of Slovenia*, Ljubljana, Slovenia. 2016, P18. ISBN: 978-961-6187-56-5.
- Mohović, R., Barić, M., Mohović, Đ. (2015). Influence of "Suezmax" Tankers Size Increase on Mooring Ropes at Existing Terminals. *Safety of Marine Transport. 11th International Conference on Marine Navigation and Safety of Sea Transportation*, Gdynia, Poland. Taylor & Francis CRC Press, pp. 161-165. ISBN: 978-1-138-02859-3.



PERSONAL INFORMATION

**Toni Bielić**



**📍** Mihovila Pavlinovića 1, 23000 Zadar (Croatia)

**☎** +385 91 3701311

**✉** tbielic@unizd.hr

WORK EXPERIENCE

- 2017- **Professor**  
Education and research in nautical science
- 2017-2021 **Head of Nautical Sub-department**  
University of Zadar, Zadar (Croatia)
- 2011-2017 **Head of Maritime department**  
University of Zadar, Zadar (Croatia)
- 2012-2017 **Associate Professor**  
University of Zadar (Croatia)
- 2011-2012 **Assistant Professor**  
University of Zadar, Zadar (Croatia)

EDUCATION AND TRAINING

- 2003 **Doctor of Science**  
Maritime Faculty, Rijeka (Croatia)
- 1986 **Master of Science**  
Maritime Faculty, Rijeka (Croatia) Replace with education or training organisation's name
- 1983 **B. Sc.**  
Maritime Faculty, Rijeka (Croatia)

PERSONAL SKILLS

Mother tongue(s) Croatian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Russian	B1	B2	B1	B1	B1

Communication skills ▪ good communication skills gained through work experience

Organisational / managerial skills ▪ good ability to adapt to multicultural environments gained through experience as a ship captain

Job-related skills ▪ Master mariner  
▪ 30 Certificates of competence

Computer skills ▪ good command of Microsoft Office™ tools

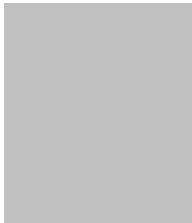
#### ADDITIONAL INFORMATION

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Publications ▪ List of publication available at <https://scholar.google.com/citations?user=KH7-sI8AAAAAJ&hl=hr&oi=ao>

PERSONAL INFORMATION

**Božena Bulum**



 30, Ljudevita Posavskog, Zagreb, 10 000, Croatia

  +385(0)98 588 721

 [bbulum@hazu.hr](mailto:bbulum@hazu.hr)

 <http://jadranski-zavod.hazu.hr/en/about-us/staff/>



Sex F | Date of birth 30/06/978 | Nationality Croatian

WORK EXPERIENCE

Replace with dates (from - to)

June 2001 - January 2004, trainee, Commercial Court in Split,

January 2005 - February 2006, legal adviser, Ministry of Justice of the Republic of Croatia,

February 2006, assistant, Adriatic Institute of the Croatian Academy of Sciences and Arts,

January 2019, scientific adviser, Adriatic Institute of the Croatian Academy of Sciences and Arts

EDUCATION AND TRAINING

Replace with dates (from - to)

[Add separate entries for each course. Start from the most recent.]

2000, Faculty of Law, University of Split, graduation,

2003 Ministry of Justice, Bar Exam,

2005 LL.M., Faculty of Law, University of Split (thesis: "Time charter in modern maritime practice"),

2008 Ph D, Faculty of Law, University of Split (thesis: "Regulation of maritime transport services and access to port services market in the competition law of the European Union")

Replace with European Qualification Framework (or other level if relevant)

PERSONAL SKILLS

[Remove any headings left empty.]

Mother tongue(s)

Croatian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1/2	C1/2	C1/2	C1/2	C1/2
German	B1/2	B1/2	B1/2	A1/2	A1/2



**Communication skills**

- good communication skills gained through my experience as leader of scientific research project of the Croatian Academy of Sciences and Arts and as a member of the previous project teams

**Organisational / managerial skills**

- leader (principal investigator) at the scientific research project of the Adriatic Institute of the Croatian Academy of Sciences and Arts, titled Challenges in the Legal Regulation of Seaports considering Application of the European Union Law and National Legal Tradition (project period: 01.01.2020–31.12.2023)

**Job-related skills**

- experience in drafting legal acts, member of the Expert Committee for the Croatian Maritime Code Amendments (2011, 2013, 2015 and 2019) and of the Expert Committee for the Maritime Domain and Seaports Act Amendments (2019).

**Computer skills**

- good command of Microsoft Word, Microsoft PowerPoint and Microsoft Office™ tools

**Other skills**

- working with children with dyslexia
- Pilates

**Driving licence**

- B

**ADDITIONAL INFORMATION****Publications**

Bulum, Božena, *Corporate taxation of ports according to European Union case-law and its influence on national legal rules regulating ports: the case of Croatian public seaports* (poglavlje u knjizi), *An Overview of Transport Law Regulatory Policies. The Search for New Answers to Old Problems and Possible Solutions to the Challenges Posed by Technological Evolution, the Pandemic and Brexit*, M.Musi (urednik), *Il Diritto Marittimo – Quaderni* 8, Bonomo Editore, Bologna, 2021, str. 125-168.;

Bulum, Božena; Pijaca, Marija; Primorac, Željka  
*Competition Issues in the Croatian Seaport Sector Regarding the Provision of Nautical Tourism Services*, *Yearbook of Antitrust and Regulatory Studies (YARS)*, 14 (2021), 24; 117-137;

Bulum, Božena, Pijaca, Marija: *Pravno uređenje pristupa tržištu tehničko-nautičkih lučkih djelatnosti u pravu Europske unije i hrvatskom pravu i njegove posljedice u praksi*, *Zbornik Pravnog fakulteta u Zagrebu*, 20 (2020)1, str. 47-75.

**Presentations**

Bulum, Božena, *Supply of Technical-Nautical Services in the Croatian Public Ports with Particular Reference to the Issue of Self-Handling of these Service by Carriers* (predavanje), 6th International Maritime and Transport Law Course: *Legal Aspects of Digitalization and Other Recent Developments in International Transport*, Inter-University Centre, Dubrovnik, 6. – 10. rujna 2021.

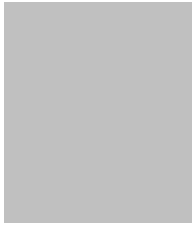
**Projects**

*Legal Regulation of Seaports considering Application of the European Union Law and National Legal Tradition*, Croatian Academy of Sciences and Arts (project period: 01.01.2020–31.12.2023);

*Development of a Modern Legal and Insurance Regime for Croatian Marinas - Enhancing Competitiveness, Safety, Security and Marine Environmental Standards*, Croatian Science Foundation from 2016 to 2019

- Conferences** Pijaca, Marija; Bulum, Božena, *Comparison of problems related to the carriage of goods by sea between traditional and autonomous vessels*, TransNav 16<sup>th</sup>-18<sup>th</sup> June 2021, Gdynia, Poland;
- Seminars**
- Bulum, Božena; Pijaca, Marija, Državne potpore za financiranje infrastrukture morskih luka u recentnim odlukama europskih institucija Međunarodna znanstvena konferencija pomorskog prava (izlaganje), Suvremeni izazovi pomorske plovidbe (3rd International Scientific Conference on Maritime Law - Modern Challenges of Marine Navigation – ISCML Split 2020), Split, 8. – 9. travnja 2021.
- Pijaca, Marija; Vučenović, Josipa; Bulum, Božena, *Differences in Contracting of Harbour, Costal and Ocean Towage*, 19<sup>th</sup> International Conference on Transport Science, Portorož, 17-18 September 2020: Maritime, Transport and Logistics Science Conference Proceedings, Zanne Marina, Bajec, Patricija, Twrdy Elen (ur.), str.263-269.
- Honours and awards** 1997, 1998, 1999 and 2000, the rewards of the Dean of the Faculty of Law in Split
- 1998, 1999 and 2000, the University of Split scholarship
- 2000, scholarship of the Foundation 'Zlatko Crnić'
- Memberships** Supervisory board member of the Croatian Maritime Law Association
- founding member of the Croatian Competition Law and Policy Association
- References**

PERSONAL INFORMATION



**Luka Grbic**

 Ivana Pavla II 44, 23233 Privlaka, Croatia

 +38523311090  +385915570565

 [lugrbic@unizd.hr](mailto:lugrbic@unizd.hr)

Sex Male | Date of birth 30/12/1986 | Nationality Croatian

WORK EXPERIENCE

2021- **Head of university Department**  
Maritime Department, University of Zadar  
Zadar, Croatia

2018-2021 **University assistant professor**  
Maritime Department, University of Zadar  
Zadar, Croatia

2014-2018 **University research assistant**  
Maritime Department, University of Zadar  
Zadar, Croatia

2010-2013 **Ship deck officer**  
Tankerska plovidba Zadar  
Worldwide navigation

EDUCATION AND TRAINING

2013-2017 **PhD of nautical sciences**  
Faculty of maritime studies, University of Rijeka

2009-2012 **Master of nautical engineering**  
Faculty of maritime studies, University of Rijeka

2005-2008 **Bachelor of nautical engineering**  
Maritime department, University of Zadar

PERSONAL SKILLS

Mother tongue(s) Croatian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Organisational / managerial skills  
Job-related skills

- Currently head of department, managing 25 person team
- President of the Zadar County Shipping Association (from July 2020 - until today)
- Member of the Municipal Council, Municipality of Privlaka (from 2016 - present)

- Member of the Zadar County Assembly (from June 2021 - until today)
- Member of the Committee on Maritime Affairs and Tourism (from June 2021 - present) good command of quality control processes (currently responsible for quality audit)

Computer skills Good command of office suite

Driving licence ▪ B categorie

#### ADDITIONAL INFORMATION

##### Scientific publications and conference papers

- Gundić, Ana; Županović, Dino; Grbić, Luka; Barić, Mate: Determining Competences in MET of Ship Officers. // *TransNav*, 15 (2021), 343-348
- Novaselić, Marko; Mohović, Robert; Barić, Mate; Grbić, Luka: Wind Influence on Ship Manoeuvrability – a Turning Circle Analysis. // *TransNav*, 15 (2021), 1; 47-51
- 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
- Toman, Ivan; Vidan, Pero; Barić, Mate; Grbić, Luka: Realism of TRANSAS NTPRO 5000 Radar Simulation in Search and Rescue Training Exercises. // *Transactions on maritime science*, 9 (2020), 1; 99-106
- Županović, Dino; Grbić, Luka; Cukrov, Marijan: Conceptual model of the ferry que management system in ferry ports in the Republic of Croatia. // *Pomorstvo : scientific journal of maritime research*, 34 (2020), 2; 354-362
- Gundić, Ana; Županović, Dino; Grbić, Luka; Barić, Mate: Conceptual Model of Measuring MHEI Efficiency. // *Education sciences*, 10 (2020), 12; 385, 11
- Grbić, Luka; Čulin, Jelena; Hess, Mirano; Hess, Svjetlana: Optimum inspection interval for tanker in unified inspection regime. // *Transport*, 35 (2020), 3; 247-254
- Županović, Dino; Grbić, Luka; Barić, Mate: The Impact of the New Panama Canal on Cost-savings in the Shipping Industry. // *TransNav*, 13 (2019), 3; 537-541
- Grbić, Luka; Barić, Mate; Cimera, Karlo; Čurin, Dragan: Water Carrying Ships in the Adriatic Region - Zadar Region Analysis. // *Pomorski zbornik*, 57 (2019), 89-95
- Novaselić, Marko; Grbić, Luka: Integrated Development Model for the Zadar Port System. // *Pomorski zbornik*, 54 (2018), 85-100
- Čulin, Jelena; Grbić, Luka; Bielić, Toni: SUBSTANDARD SHIPS AS A THREAT TO THE ADRIATIC SEA BIODIVERSITY. // *JOURNAL OF MARITIME TRANSPORT AND ENGINEERING*, 7 (2018), 1; 23-28
- Grbić, Luka; Čulin, Jelena; Perković, Toni: SIRE Inspections on Oil Tankers. // *TransNav - International Journal on Marine Navigation and Safety of Sea Transportation*, 12 (2018), 2; 359-362
- Grbić, Luka; Čulin, Jelena; Bielić, Toni: Inspections on Board Oil Tankers: Present Situation and Suggestion for Improvement. // *Pomorstvo*, 32 (2018), 1; 132-140
- Brkić, Gabrijela; Grbić, Luka; Čulin, Jelena: WALL WASH PREGLED TANKOVA TERETA NA BRODOVIMA ZA PRIJEVOZ KEMIKALIJA. // *Zbornik radova Veleučilišta u Šibeniku*, 2018 (2018), 1-2; 23-30
- Bielić, Toni; Hess, Mirano; Grbić, Luka: Unified tanker survey and inspection regime in terms of reducing psychophysical strain of the crew. // *Promet - Traffic & transportation*, 29 (2017), 4; 455-461
- Frančić, Vlado; Grbić, Luka; Maglić, Lovro: Inspections of Ro-Ro Ships Operating on "Motorways of the Sea" Routes. // *Pomorski zbornik*, 49/50 (2015), 1; 41-55
- Grbić, Luka; Ivanišević, Dalibor; Čulin, Jelena: Detainable Maritime Labour Convention 2006-related deficiencies found by Paris MoU authorities. // *Pomorstvo*, 29 (2015), 52-57
- Grbić, Luka; Hess, Mirano: Tanker inspection regime in correlation with maritime accident risks and management decisions. // *High technologies. Business. Society / Popov, Georgi (ur.)*. Sofia: Scientific Technical Union of Mechanical Engineering Industry-4.0, 2021. str. 50-53
- Grbić, Luka; Barić, Mate; Ivanišević, Dalibor; Gundić, Ana: OVERTAKING VESSELS – COLREGs vs PRACTICE. // *Proceedings of the 1st International Conference on Maritime Education and Development Durban, South Africa: Springer, Cham, 2021. str. 121-127*
- Gundić, Ana; Županović, Dino; Ivanišević, Dalibor; Grbić, Luka: Analysis of Generic Competences Needed Onboard a Ship. // *AHFE 2021: Advances in Human Factors in Training, Education, and Learning Sciences / Nazir, Salman, Ahran, Tareq Z., Karwowski, Waldemar (ur.)*. New York, SAD: Springer, Cham, 2021. str. 199-207

- Bielić, Toni; Grbić, Luka: Bridge Resource Management Techniques as a Learning Tool for an Effective Teamwork. // IMLA 26 "Modern challenges in maritime education and training" Batumi, Gruzija, 2019. str. 238-249
- Barić, Mate; Mohović, Robert; Mohović, Đani; Grbić, Luka: Comparison between simulator modelled and empirical ship squat prediction. // Advances in marine navigation and safety of sea transportation / Weintrit, Adam ; Neumann, Tomasz (ur.). Gdynia: CRC Press, 2019. str. 17-20
- Grbić, Luka; Barić, Mate; Cimera, Karlo; Čurin, Dragan: Conducting PSC inspection on Croatian vessels. // Economic and Social Development / Nadrljanski, Mila ; Grzincic, Jasmina ; Kowalczyk Kinga, Katarzyna (ur.). Split, 2019. str. 4-5
- Čulin, Jelena; Grbić, Luka; Bielić, Toni: Substandard ships as a threat to the Adriatic Sea biodiversity. // 20th International Conference Maritime Transport and Infrastructure 2018 Riga, Latvija, 2018. str. 11-11
- Hess, Mirano; Novaselić, Marko; Grbić, Luka: Consolidation of coastal shipping network in mid-insular Croatia. // Proceedings: Engineering. Technologies. Education. Safety. Sofia: Scientific technical union of mechanical engineering "Industry-4.0", 2018. str. 133-136
- Grbić, Luka; Bielić, Toni; Čulin, Jelena THE INTERNATIONAL CONVENTION FOR THE CONTROL AND MANAGEMENT OF SHIPS' BALLAST WATER AND SEDIMENTS-RELATED DEFICIENCIES. // Maritime, transport and logistics science : conference proceedings / 18. mednarodno posvetovanje o prometni znanosti = 18th International Conference on Transport Science - ICTS 2018 / Zanne, Marina ; Bajec, Patricija ; Vidan, Pero ; Krčum, Maja (ur.). Portorož, 2018. str. 106-109
- Ivanković, Vedran; Grbić, Luka; Županović, Dino: Analiza inspeksijskog pregleda hrvatskih brodova u međunarodnoj plovidbi. // XXIV International Scientific Symposium Transport Systems 2017 Zagreb, Hrvatska, 2017. str. 133-137
- Glavan Tomislav; Grbić, Luka; Županović, Dino: Brodovi za opskrbu platformi i instalacija na otvorenom moru. // XXIII International Scientific Symposium Transport Systems 2016 Zagreb, Hrvatska, 2016. str. 187-190
- Ivanišević, Dalibor; Grbić, Luka: Comparison between conventional LNG carriers and SRV-LNG carriers. // 17. mednarodno posvetovanje o prometni znanosti "Pomorstvo, promet in logistika" : zbornik referatov = 17th International Conference on Transport Science (ICTS 2015) "Maritime, transport and logistics science : conference proceedings / Zanne, Marina ; Bajec, Patricija ; Vidan, Pero (ur.). Portorož: Fakulteta za pomorstvo in promet, 2015.
- Grbić, Luka; Ivče, Renato; Ribić, Andrija: Brodovi za prijevoz kontejnera- TRIPLE E. // 13th European Transport Congress Zagreb, Hrvatska, 2015. str. 253-259

PERSONAL INFORMATION

JOSIP OROVIĆ



 Grigora Viteza 10, 23000 Zadar, Croatia

 +385 98 1745 205

 [jorovic@unizd.hr](mailto:jorovic@unizd.hr)

Sex Male | Date of birth 19/06/1979 | Nationality Croatian

WORK EXPERIENCE

17.06.2019. – Present  
01.09.2014. – 19.06.2019.

**Associate Professor**  
**Assistant Professor**

University of Zadar, Maritime Department, Mihovila Pavlinovica 1, 23000 Zadar, Croatia  
([www.unizd.hr](http://www.unizd.hr))

- researcher, lecturer on BSc degree courses, lecturer on education and training courses for seafarers
- Deputy Head of Department – from 01.10.2017. - present
- Head of Marine Engineering sub-department - from 01.10.2017. - present

**Business or sector** Research, education and training

16.09.2002. – 14.03.2014.

**Assistant Professor (previous: Assistant, Senior Assistant)**

University of Rijeka, Faculty of Maritime Studies in Rijeka, Studentska 2, 51000 Rijeka, Croatia  
([www.pfri.hr](http://www.pfri.hr))

- researcher on two scientific projects approved by the Ministry of Science and technology, lecturer on BSc and MSc degree courses, lecturer on education and training courses for seafarers

**Business or sector** Research, education and training

July 2009 – November 2012

**Visiting lecturer**

IMO-IMSSEA (International Maritime Safety Security and Environment Academy), Via Oderico 10, 16145 Genova, Italy ([www.imssea.org](http://www.imssea.org))

- Lecturer in Courses on:
  - “Implementation of International Standards on the Handling, Transport and Storage of Dangerous Cargoes on Ships and in Port Areas”;
  - “Handling of Hazardous Cargoes in ports and on board ships”;
  - Flag State Implementation – Development, Management and Performance Monitoring

**Business or sector** Education

WORK EXPERIENCE ON LNG  
TANKERS AND CRUDE OIL  
TANKERS

June 2006. – November 2015.

**Engine Officer on LNG tankers (9 contracts on ships)**

June 2004. – October 2004.

**Engine Officer on Crude oil tanker**

July 1997. – July 1997.

**Apprentice Engineer on Crude oil tanker**

**EDUCATION AND TRAINING**

- 2008. – 2012. **Ph.D. in Technical Science – maritime transport technology**  
University of Rijeka, Faculty of Maritime Studies in Rijeka, Studentska 2, 51000 Rijeka, Croatia
  
- 2003. – 2006. **Master of Science**  
University of Rijeka, Faculty of Maritime Studies in Rijeka, Studentska 2, 51000 Rijeka, Croatia
  
- 1998. – 2002. **Bachelor of Science**  
University of Rijeka, Faculty of Maritime Studies in Rijeka, Studentska 2, 51000 Rijeka, Croatia
  
- 1998. – 2002. **Marine Engineer (unlicenced)**  
Maritime High School, Department of Marine Engineering, Ante Kuzmanica 1, 23000 Zadar, Croatia
  
- 2000. – 2015. **Certificates**  
Ministry of Maritime Affairs, Transport and Infrastructure, Rijeka and Zadar, Croatia;
  - Certificate for Second engineer officer on a ship powered by the main propulsion machinery of 3000 kW propulsion power or more,
  - Certificate for Basic training course according to STCW 78/95 Convention,
  - Advanced fire-fighting certificate,
  - Medical first aid certificate,
  - Advanced medical care certificate,
  - Dangerous cargo handling certificate,
  - Tanker familiarization certificate,
  - Advanced oil tanker operations certificate,
  - Advanced liquefied gas tanker operations certificate,
  - Proficiency in survival craft and rescue boats operations certificate,
  - Proficiency in fast rescue boat operations certificate,
  - Engine resource management certificate,
  - Security awareness and seafarer with designated security duties
  - Use of Leadership and Managerial Skills
 Aberdeen, United Kingdom
  - Kongsberg Automation System for K-Chief 700

**PERSONAL SKILLS**

Mother tongue(s) Croatian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Organisational / managerial skills

- Deputy Head of Department (University of Zadar, Maritime Department)
- Head of Marine Engineering sub-department (University of Zadar, Maritime Department)

Computer skills

- Knowledge of PC application

Driving licence

- B category

#### ADDITIONAL INFORMATION

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Memberships

- IMO expert and consultant
- Member of INEER (International Network for Engineering Education and Research)

Other

- Certificate for operational instructor on Wartsila - Transas engine room simulators

#### ANNEXES

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- List of publications available at:
  - CROSB: <http://bib.irb.hr/lista-radova?autor=265791>
  - Google scholar: <https://scholar.google.hr/citations?user=vJhVp-AAAAAJ&hl=hr&oi=ao>



## PERSONAL INFORMATION

## Marija Pijaca



📍 Stanka Vraza 27, 23000 Zadar (Croatia)

☎ +385(0)23200654

✉ mpijaca@unizd.hr

## WORK EXPERIENCE

- 
- 2018–Present **Assistant Professor**  
Maritime Department University of Zadar, Zadar (Croatia)
- 2017–2018 **Postdoctoral Researcher**  
Maritime Department University of Zadar, Zadar (Croatia)
- 2009–2017 **Assistant**  
Maritime Department University of Zadar, Zadar (Croatia)
- 2007–2008 **Secretary of Archives**  
The State Archives, Zadar (Croatia)
- 2005–2006 **Administrator**  
The British Croatian Chamber of Commerce, London (United Kingdom)
- 2003–2004 **Secretary of the Legal Affairs**  
Borik d.d. Zadar, Zadar (Croatia)
- 2002–2003 **Business Secretary**  
Punta skala d.d. Zadar, Zadar (Croatia)
- 2001–2002 **Legal Affairs Manager**  
Punta skala d.d. Zadar, Zadar (Croatia)

## EDUCATION AND TRAINING

- 
- 2016 **Ph.D., thesis: „Bareboat Charter“**  
Faculty of Law of the University of Rijeka, Rijeka (Croatia)
- 2011 **M.S., thesis: „Towage Contracts“**  
Postgraduate Scientific Study of “Maritime Law and the Law of the Sea” at the Faculty of Law of the University of Split, Split (Croatia)
- 2000 **B.S.**  
Faculty of Law of the University of Zagreb, Zagreb (Croatia)

PERSONAL SKILLS

Mother tongue(s) Croatian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Italian	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages - Self-assessment grid

Communication skills - Appropriate level of communicativeness in establishing contacts and team work  
 - Appropriate level of personal competence and responsibility in assuming duties

Job-related skills - member of the Croatian Maritime Law Society  
 - member of the research project of the Adriatic Institute of the Croatian Academy of Sciences and Arts, titled *Challenges in the Legal Regulation of Seaports considering Application of the European Union Law and National Legal Tradition* (project period: 1<sup>st</sup> January 2020 – 31<sup>st</sup> December 2021).

Digital skills - Good knowledge of Microsoft Office (Word, Excel, Powerpoint)

Other skills Reference on the scientific and maritime law literature are evident from the base of researchers:  
[https://www.bib.irb.hr/pretraga?operators=and|Pijaca,%20Marija%20\(311716\)|text|author](https://www.bib.irb.hr/pretraga?operators=and|Pijaca,%20Marija%20(311716)|text|author)

Driving licence B

PERSONAL INFORMATION

Marko Valčić



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-  +385 99 257 1789
-  [mvalcic@unizd.hr](mailto:mvalcic@unizd.hr), [mvalcic.unizd@gmail.com](mailto:mvalcic.unizd@gmail.com)
-  <https://hr.linkedin.com/in/mvalcic>
-  Skype: marko\_valcic

Sex Male | Date of birth 26/11/1976 | Nationality Croatian

WORK EXPERIENCE

- 2021 – present **Associate Professor**  
University of Zadar, Maritime Department, Zadar, Croatia
- 2018 – 2021 **Assistant Professor**  
University of Rijeka, Faculty of Engineering, Department of Naval Architecture and Ocean Engineering, Rijeka, Croatia
- 2018 – 2021 **Head of Laboratory of Ocean Engineering**  
University of Rijeka, Faculty of Engineering, Department of Naval Architecture and Ocean Engineering, Rijeka, Croatia
- 2016 – 2018 **Assistant Professor**  
University of Rijeka, Faculty of Maritime Studies, Department of Electrical Engineering, Automation and Computing, Rijeka, Croatia
- 2015 – 2016 **Postdoc researcher**  
University of Rijeka, Faculty of Maritime Studies, Department of Electrical Engineering, Automation and Computing, Rijeka, Croatia
- 2009 – 2015 **PhD researcher and teaching assistant**  
University of Rijeka, Faculty of Maritime Studies, Department of Electrical Engineering, Automation and Computing, Rijeka, Croatia

EDUCATION AND TRAINING

- 2020 **Ph.D. in Naval architecture and ocean engineering**  
University of Rijeka, Faculty of Engineering, Department of Naval Architecture and Ocean Engineering, Rijeka, Croatia
- 2015 **Ph.D. in Maritime transport technology**  
University of Rijeka, Faculty of Maritime Studies, Department of Electrical Engineering, Automation and Computing, Rijeka, Croatia
- 2008 **M.Eng. in Maritime transport technology**  
University of Rijeka, Faculty of Maritime Studies, Department of Marine Engineering and Energetics, Rijeka, Croatia

PERSONAL SKILLS

Mother tongue(s) Croatian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
 Common European Framework of Reference for Languages

- Communication skills**
- appropriate level of communication skills gained during research visits and in collaboration with international researchers from Norway (NTNU, Trondheim) and Japan (Faculty of Maritime Sciences, Kobe)

- Organisational / managerial skills**
- Co-chair and International Program Committee Chair of the Baška GNSS Conference and the Workshop on Smart Blue and Green Maritime Technologies, Baška, Island of Krk, Croatia
  - Member of the Local organizing committee of the 16th International Congress of the International Maritime Association of the Mediterranean IMAM 2015 - Towards Green Marine Technology and Transport, Pula, Croatia.
  - Head of Laboratory of Ocean Engineering

Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user  
 Digital competences - Self-assessment grid

MATLAB Fundamentals, MATLAB Programming Techniques, Machine Learning with MATLAB, Optimization Techniques in MATLAB, Simulink for System and Algorithm Modelling Training, LabVIEW Core, LabVIEW Data Acquisition and Signal Conditioning, LabVIEW Core, LabVIEW Real-Time, K-Sim Engine Operator Training Course, MAN Electronic Engines (ME) Operation and Analysis, Advanced Statistical Methods - UniSTAT, Adobe Web Design, MS MCAD Academy, AutoCAD 2007.

- Expert user of MATLAB & Simulink
- Intermediate programming level in Python and R
- Basic programming level in Fortran and C++

- Driving licence**
- B

**ADDITIONAL INFORMATION**

- Selected publications**
- Braidotti, L., Prpić-Oršić, J., Valčić, M. (2021). Effect of Database Generation on Damage Consequences' Assessment Based on Random Forests. *Journal of marine science and engineering* 9(11), 1303, 17. doi:10.3390/jmse9111303
  - Braidotti, L., Valčić, M., Prpić-Oršić, J. (2021). Exploring a Flooding-Sensors-Agnostic Prediction of the Damage Consequences Based on Machine Learning. *Journal of marine science and engineering* 9(3), 271, 20. doi:10.3390/jmse9030271
  - Brlečić Valčić, S., Samodol, A., Valčić, M. (2021). Using ANFIS in joint dynamics of monetization, financial development, public debt and unemployment analysis. *Ekonomski vjesnik - Econviews* 34(1), pp. 23-40. doi:10.51680/ev.34.1.3
  - Braidotti, L., Prpić-Oršić, J., Valčić, M., Mauro, F., Bucci, V. (2021). The Ship Safety from Seafarers Perspective: Application of Fuzzy AHP for Decision Support. *The 14th Baška GNSS Conference: Technologies, Techniques and Applications Across PNT and The 1st Workshop on Smart Blue and Green Maritime Technologies, Baška, Island of Krk, Croatia.*
  - Braidotti, L., Prpić-Oršić, J., Valčić, M. (2021). Application of decision trees to predict damage consequences during the progressive flooding. *The 8th International Conference on Marine Structures MARSTRUCT 2021, Trondheim, Norway, 7-9 June 2021.*
  - Prpić-Oršić, J., Valčić, M., Čarija, Z. (2020). A Hybrid Wind Load Estimation Method for Container Ship Based on Computational Fluid Dynamics and Neural Networks. *Journal of marine science and engineering*, 8(7), 539, 21. doi:10.3390/jmse8070539

- Valčić, M., Prpić-Oršić, J. (2020). Derivative Free Optimal Thrust Allocation in Ship Dynamic Positioning Based on Direct Search Algorithms. *TransNav*, 14(2), pp. 309-314. doi:10.12716/1001.14.02.05
- Brlečić Valčić, S., Samodol, A., Valčić, M. (2020). Applying Adaptive Neuro-Fuzzy Inference System (ANFIS) while Analysing Interdependencies of Tax Burden and Capital Structure of Croatian Hotel Companies. *The 43rd International ICT Convention - MIPRO 2020, Digital Economy and Digital Society Conference*, 28. September - 2 October 2020, Opatija, Croatia.
- Prpić-Oršić, J., Sasa, K., Valčić, M., Faltinsen, O.M. (2020). Uncertainties of ship speed loss evaluation under real weather conditions. *Journal of Offshore Mechanics and Arctic Engineering - Transactions of the ASME* 142(3), 031106. doi:10.1115/1.4045790
- Rudan, I., Frančić, V., Valčić, M., Sumner, M. (2020). Early Detection of Vessel Collision Situations in a VTS Area. *Transport* 35(2), pp. 121-132. doi:10.3846/transport.2019.11464
- Valčić, M., Prpić-Oršić, J., Vučinić, D. (2020). Application of Pattern Recognition Method for Estimating Wind Loads on Ships and Marine Objects. Book chapter. In: *Advances in Visualization and Optimization Techniques for Multidisciplinary Research. Trends in Modelling and Simulations for Engineering Applications. Lecture Notes in Mechanical Engineering*. Vucinic, D., Rodrigues Leta, F., Janardhanan, S. (Eds.). Springer, Singapore. doi:10.1007/978-981-13-9806-3\_5
- Sasa, K., Takeuchi, K., Chen, C., Faltinsen, O.M., Prpić-Oršić, J., Valčić, M., Mrakovčić, T., Herai, N. (2019). Evaluation of Speed Loss in Bulk Carriers with Actual Data from Rough Sea Voyages. *Ocean engineering* 187, pp. 1-19. doi:10.1016/j.oceaneng.2019.106162
- Brčić, D., Filjar, R., Kos, S., Valčić, M. (2019). On Global Ionospheric Maps based winter-time GPS ionospheric delay with reference to the Klobuchar model: Case study of the Northern Adriatic. *Pomorstvo: Scientific journal of maritime research* 33(2), pp. 210-221. doi:10.31217/p.33.2.11
- Valčić, M., Prpić-Oršić, J., Vučinić, D. (2017). Application of a pattern recognition method to estimate wind loads on ships and marine objects. *Materialwissenschaft und Werkstofftechnik* 48(5), pp. 387-399. doi:10.1002/mawe.201700009
- Valčić, M., Prpić-Oršić, J. (2016). Hybrid method for estimating wind loads on ships based on elliptic Fourier analysis and radial basis neural networks. *Ocean engineering* 122, pp. 227-240. doi:10.1016/j.oceaneng.2016.06.031

#### Projects

- DEcision Support System for green and safe ship Routing. Croatian Science Foundation (HRZZ-IP-2018-01-3739), Researcher, 2019-2023.
- Improving ship propulsion efficiency by propeller optimization. The European Regional Development Fund (ERDF), Researcher, 2021-2023.
- Saving Fuel and Emissions from Maritime Transport in the Adriatic Region (GUTTA). 2014-2020 Interreg V-A Italy–Croatia CBC Programme, Researcher, 2019-2021.
- The impact of environmental loads on the characteristics of dynamic positioning systems for marine vessels. University of Rijeka (uniri-tehnic-18-266), Head researcher, 2018-2020.
- Uncertainties of ship speed loss evaluation under real weather conditions. University of Rijeka (uniri-tehnic-18-18), Researcher, 2018-2020.
- Energy efficiency, safety and autonomy of modern marine vessels. University of Rijeka, Faculty of Maritime Studies Rijeka, Head researcher, 2017-2018.
- Greener approach to Ship Design and Optimal Route Planning. Croatian Science Foundation (HRZZ-IP-2013-11-8722), Researcher, 2014-2018.
- Numerical Modelling of Hydrodynamic Loads and Responses of Marine Structures. University of Rijeka, Researcher, 2014-2018.
- Information and Communication Technologies in ITS. University of Rijeka, Researcher, 2014-2018.
- Intelligent Cooperative Sensing for Improved traffic efficiency (ICSI). EC under the Seventh Framework Programme (FP7), Researcher, 2013-2015.
- Information-Communication Technologies in Smart Maritime Systems. Ministry of Science, Education and Sports in Croatia, Researcher, 2009-2013.

#### Memberships

- IEEE (Institute of Electrical and Electronics Engineers)

# Dino Županović (Zupanovic)

**DATE OF BIRTH:**  
16/06/1979

## CONTACT

Nationality: Croatian

Gender: Male



Mihovila Pavlinovića 1, Room 1.4  
23000 Zadar, Croatia



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(+385) 959057957

Skype: skype

Other: other

## WORK EXPERIENCE

**20/06/2017 - CURRENT** - Zadar, Croatia

### Associate Professor

University of Zadar, Maritime Department

Modelling-optimization of traffic and transportation related systems, application of multi-criteria decisions in traffic and transportation, application of IT systems in traffic and transportation;

Head of college courses: Inter-modal Transportation Technology, Applied Computing Science, Introductory IT, Computer Security, Innovations in Information and Computer Sciences, Shipping Economics

**01/03/2013 - 19/06/2017** - Zadar, Croatia

### Assistant Professor

University of Zadar, Maritime Department

Modelling-optimization of traffic and transportation related systems, application of multi-criteria decisions in traffic and transportation, application of IT systems in traffic and transportation;

Head of college courses Inter-modal Transportation Technology Applied Computing Science, Introduction to IT, Shipping Economics.

**02/10/2005 - 28/02/2013** - Zagreb, Croatia

### Assistant Professor, Higher assistant, Assistant

Faculty of Transport and Traffic Sciences, University of Zagreb

Modelling of signalized intersections (defining signalized plans; protection times);

Modelling and optimization of traffic and transportation related systems;

Application of multi-criteria decisions in traffic and transportation;

Application of IT systems in traffic and transportation.

Teaching (lectures and lab exercises) college courses: Computer Science and Telematics

**01/04/2004 - 01/10/2005** - Zagreb, Croatia

### Chief Executive Officer

MaxModus Ltd.

Distribution and retailing of innovative hardware solutions on Croatian market.

**01/07/2003 - 31/12/2003** - Zagreb, Croatia

### System Integrator

AVL-AST Ltd.

Integration of applications developed for the automotive industry.

**01/07/1998 - 31/12/2001** - Zagreb, Croatia

### Application and database designer/programmer

DINO-92 Ltd.

The development and maintenance of applications and associated databases related to the company's area of operation.

## EDUCATION AND TRAINING

**24/10/2012 - CURRENT** - Gen. J. Bobteka 20, Zagreb, Croatia

- **Senior Scientific Assistant**  
The Croatian Council of Universities and University Colleges of Applied Science

09/02/2011 - 23/10/2012 - Zagreb, Croatia

- **Scientific Assistant**  
The Croatian Council of Universities and University Colleges of Applied Science

07/06/2010 - CURRENT - Vukelićeva 4, Zagreb, Croatia

- **Doctor of Science (PhD)**  
Faculty of Transport and Traffic Sciences, University of Zagreb  
Doctor of Science - scientific area of technical sciences, scientific field of technology of traffic and transportation, branch of road and railway transportation;  
Doctoral Study of Technical and technological systems in traffic and transportation".

10/04/2006 - 06/06/2010 - Vukelićeva 4, Zagreb, Croatia

- **Master of Science (MSc)**  
Faculty of Transport and Traffic Sciences, University of Zagreb  
Master of Science - scientific area of technical sciences, scientific field of technology of traffic and transportation, branch of road and railway transportation;  
Postgraduate Study of Technical systems in traffic and transportation.

13/05/2002 - 09/04/2006 - Vukelićeva 4, Zagreb, Croatia

- **Graduate Traffic&Transportation Engineer**  
Faculty of Transport and Traffic Sciences, University of Zagreb

09/09/2012 - CURRENT - Trg J. F. Kennedyja 6 , Zagreb, Croatia

- **Master of Science (MSc)**  
Faculty of Economics and Business, University of Zagreb  
Master of Science - scientific area of Social Sciences, scientific field of Technology of Economics, branch of Business IT;  
Postgraduate Study of Bussiness IT.

18/10/2001 - 08/10/2012 - Trg J. F. Kennedyja 6, Zagreb, Croatia

- **Graduate in Economics**  
Faculty of Economics and Business, University of Zagreb  
Graduate program of Business economics, department of Business IT.

01/06/1997 - 17/10/2001 - Jordanovac 8, Zagreb, Croatia

- **Mathematical-IT technician**  
XV. Gymnasium

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Croatian

### English

Listening  
**C1**

Reading  
**C1**

Spoken  
production  
**C1**

Spoken  
interaction  
**C1**

Writing  
**C1**

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### German

Listening  
**B2**

Reading  
**B1**

Spoken  
production  
**B1**

Spoken  
interaction  
**B1**

Writing  
**B1**

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## DIGITAL SKILLS

Information Processing | Good communication skills (written and verbal) | Content Creation | Cyber Security | Problem Solving

## PUBLICATIONS

### ● **Teaching materials for Applied Computer Science, Maritime Department, University of Zadar**

**2016**

Teaching materials (e-version) for Applied Computer Science  
Teaching materials (e-version) for Applied Computer Science, Maritime Department, University of Zadar

## NETWORKS AND MEMBERSHIPS

**CURRENT**

### ● **Regular member of Organisation of the Scientific Council for Traffic at Coratian Academy of Science**

Zagreb, Croatia

## DRIVING LICENCE

● Driving Licence: **B**



## CONFERENCES AND SEMINARS

**2014** - Vienna, Austria

### **25th DAAAM International Symposium on Intelligent Manufacturing and Automation**

Županović D.: Implementation Model for Near Field Communication in Croatian Ferry Ticketing System, 25th DAAAM International Symposium on Intelligent Manufacturing and Automation, Procedia Engineering, Vienna, Elsevier, 2014, 1396-1404

**2012** - Zagreb, Croatia

### **Croatian Academy of Sciences and Arts, Review on Croatian Traffic&Transportation Development**

Županović D.: Osvrt na razvitak cestovnog prometnog sustava zagrebačkog područja, Zbornik radova „Ocjena dosadašnjeg prometnog razvitka Hrvatske i osnovne smjernice daljnjeg razvoja“, Zagreb, HAZU, 2012, 76-79, ISBN: 978-953-154-118-3

**2011** - Zagreb, Croatia

### **Croatian Academy of Sciences and Arts, Ecological Problems of Traffic&Transportation Development**

Županović D.: Važnost optimizacije semaforiziranih raskrižja sa posebnim osvrtom na emisiju ispušnih plinova vozila, Zbornik radova „Ekološki problemi prometnog razvoja“, Zagreb, HAZU, 2011, 185-192, ISBN: 978-953-154-948-6

**2010** - Ljubljana, Slovenia

### **ISEP 2010, The Role of ITS In The Near Future**

Županović D., Anžek M., Kos G.: Influence of Road Blockages Caused By Illegally Parked Vehicles On Urban Traffic Flow, Conference proceedings of ISEP 2010 / Ljubljana : Electrotechnical Association of Slovenia, 2010, R11, ISBN: 978-961-6187-46-6

**2009** - Ljubljana, Slovenia

### **ISEP 2009, Sustainable Transport and Mobility**

Šoštarić D., Županović D., Anžek M.: Evaluation of Automatic Traffic Regulation on Junction of Slavonska Avenue - Kruge Street in Zagreb and Proposition of It's Solution., 17th International Symposium on Electronics in Traffic - Conference proceedings of ISEP 2009 / Ljubljana : Electrotechnical Association of Slovenia, 2009, R7, ISBN: 978961-6187-42-8

**2008** - Cavtat, Croatia

### **ITI 2008, Information Technology Interfaces**

Županović D., Grgurević I., Filipčić T.: Importance of Collecting and Analyzing Data on Traffic Flow Load in Urban Environments, Proceedings of the 30th International Conference on "Information Technology Interfaces", ITI 2008 / Zagreb : SRCE, 2008. pp. 809-813, ISBN: 978-953-7138-12-7, ISSN: 1330-1012

**2008** - Ljubljana, Slovenia

### **ISEP 2008, ITS - A Condition for Sustainable Development & Prosperity of a Modern & Safe Transport**

Lepur I., Županović D., Anžek M.: Evaluation of automatic traffic management at intersection of the "grada Vukovara street" and "Hrvatske bratske zajednice street" in Zagreb, Conference proceedings of ISEP 2008, ITS - A condition for sustainable development and prosperity of a modern and safe transport / Ljubljana : Electrotechnical Association of Slovenia, 2008, R6, ISBN: 978-961-6187-41-1

Županović D., Ševrović M., Vidović K.: Possibilities of implementing Bluetooth technology in realtime vehicle tracing in urban environment, Conference proceedings of ISEP 2008, ITS - A condition for sustainable development and prosperity of a modern and safe transport / Ljubljana : Electrotechnical Association of Slovenia, 2008, G11, ISBN: 978-961-6187-41-1

**2008** - Rovinj, Croatia

- **ZIRP'08, International Scientific Conference Development of Transport, ITS and Logistic**

Županović D., Grgurević I., Filipčić T.: Influence of Distribution Vehicles Blockages on Urban Traffic Network Flow Rate, Conference proceedings of ZIRP'08, International Scientific Conference Development of transport, ITS and logistic / Zagreb : Faculty of Transport and Traffic Sciences, 2008, 33, , ISBN: 978-953-243-027-1

**2007** - Ljubljana, Slovenia

- **ISEP 2007, Applications of Intelligent Transport Systems**

Županović D., Grgurević I.: Application of simulation tools for regulation of city traffic flows, Conference proceedings of ISEP 2007 - Applications of intelligent transport systems / Ljubljana : Electrotechnical Association of Slovenia, 2007, R2, ISBN: 978-961-6187-37-4

**2007** - Varaždin, Croatia / Budapest, Hungary

- **KoREMA - Automatization in Traffic&Transportation**

Franić S., Županović D., Lanović Z., Anžek M.: Optimizacija taktike upravljanja prometom na raskrižju ulice grada Vukovara i avenija Marina Držića u Zagrebu, Zbornik radova KoREMA - Automatizacija u prometu 2007 / Varaždin, Budapest : KoREMA, 2007, 63-68

**2006** - Zagreb, Croatia

- **Croatian Academy of Sciences and Arts, Traffic Issues of City of Zagreb**

Marić V., Županović D.: Tramvajski promet u sustavu javnoga gradskoga prometa u Zagrebu, Zbornik radova „Prometna problematika grada Zagreba" / Zagreb : HAZU, 2006, 321-325, ISBN: 953-154-716-5

## PROJECTS

**2010 - 2011**

- **EU Project CIVITAS ELAN**

Work Package (WP) 8.2, Faculty of Transport and Traffic, Defining Simulation Tools and Methodologies.

**2017 - 2018**

- **EU Project REMEDIO**

REMEDIO - REgenerating mixed-use MED urban communities congested by traffic through Innovative low carbon mobility sOlutions, External Expert for City of Split;

WP3 - Analysis of existing constraints to local implementation of low carbon mobility solutions (institutional, economic, etc.) and the selection of relevant mobility and environmental indicators.

**2017 - 2018**

- **EU Project LOCATIONS**

LOCATIONS - Low Carbon Transport in Cruise Destination Cities;

External Expert for City of Zadar;

WP3 - Low Carbon Transport Plan.

**2017 - 2018**

- **EU Project OPTITRANS**

OPTITRANS - Optimisation of Public Transport Policies for Green Mobility;

External Expert for City of Zadar;

External support for the development of the regional action plan.

## MANAGEMENT AND LEADERSHIP SKILLS

- **Head of nautical section of Maritime Department, University of Zadar (05/14/2014 - 09/30/2017)**
- **Chief Executive Officer MaxModus Ltd. (01/04/2004 - 10/01/2005)**

## COMMUNICATION AND INTERPERSONAL SKILLS

- **Profiled communication skills**  
Profiled communication skills gained through private and public sector - presenting projects and teaching.

## TRAFFIC&TRANSPORTATION STUDIES

- **2009**  
**Feasibility Analysis for Denivelation of Complex Intersection Ljudevita Posavskog Street**  
Feasibility Analysis for Denivelation of Complex Intersection of Ljudevita Posavskog Street and Slavonska Avenue in Zagreb, Faculty of Transport and Traffic Sciences, 2009.
- **2008**  
**Traffic regulation on Žabica square in Rijeka**  
Traffic regulation on Žabica square in Rijeka, The Institute of Transport and Communications, 2008.
- **2007**  
**Study of Traffic&Transportation Development of City of Mali Lošinj**  
Study of Traffic&Transportation Development of City of Mali Lošinj, The Institute of Transport and Communications, 2007.

## SCIENTIFIC AND RESEARCH PROJECTS

- **2002 - 2004**  
**Logistics Concept of Commercial Transport in Cities**  
Logistics Concept of Commercial Transport in Cities; Funded by Ministry of Science and Education of Republic of Croatia, ID:0135010
- **2007 - 2011**  
**Design of Inter-modal Transportation Processes on Corridors V i X**  
Design of Inter-modal Transportation Processes on Corridors V and X; Funded by Ministry of Science and Education of Republic of Croatia, ID:135-1352586-2595

## SCIENTIFIC ACTIVITIES AND EXPERTISE

### **CURRENT**

#### **Reviewer for Scientific Journals**

Pomorstvo (Web of Science Core Collection);  
Technical Gazette (Science Citation Index Expanded);  
Promet-Traffic&Transportation (Science Citation Index Expanded).

#### **Croatian Scientist ID: 269126**

Publication listing: <http://bib.irb.hr/lista-radova?autor=269126>

### **14/09/2015 - CURRENT**

#### **Permanent Court Expert**

Permanent Court Expert for Information and Computer Technologies and Road Traffic&Transportation.