

PERSONAL INFORMATION

Siniša Vilke



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Sex Male | Date of birth 29/11/1975 | Nationality Croatian

WORK EXPERIENCE

11/2019–Present

Associate professor in Transport Technology & Organization Department

University of Rijeka, Faculty of Maritime Studies
Studentska 2, 51000 Rijeka (Croatia)

Research and Teaching

The holder of the courses at the undergraduate and graduate studies: Basics of Transport Technology, Traffic Safety, Urban Transport and Environment, Cargo in Transport, Inland Transport Technology, Inland Transportation Systems Planning, Logistics in Inland Transport.

The holder of the courses at postgraduate research studies: Sustainability in urban traffic.

Contributor to national and international projects related to the management of maritime and transport system.

Business or sector Science and higher education

05/2019–Present

Research associate - Technical Science

Field: Technology of Traffic and Transport

Contributor to national and international projects related to the management of maritime and transport system. Member of several national and international project teams.

Business or sector Science.

12/2013–11/2019

Assistant professor in Transport Technology & Organization Department

University of Rijeka, Faculty of Maritime Studies
Studentska 2, 51000 Rijeka (Croatia)

Research and Teaching

The holder of the courses at the undergraduate and graduate studies: Basics of Transport Technology, Transport Engineering, Urban Transport and Environment, Logistics in Transport.

The holder of the courses at postgraduate research studies: Sustainability and green logistics in urban traffic.

Contributor to national and international projects related to the management of maritime and transport system.

Business or sector Science and higher education

02/2009–12/2013

Assistant in Transport Technology & Organization Department

University of Rijeka, Faculty of Maritime Studies
Studentska 2, 51000 Rijeka (Croatia)

Assistant, holder of the exercises from the courses on undergraduate and graduate study

Business or sector Science and higher education

- 05/2007–02/2009 **Commercial manager**
 Luka Rijeka d.d.
 Riva 1, 51000 Rijeka (Croatia)
 Negotiations and contracting of port services
 Business or sector Commercial department
- 08/2001–05/2007 **Reloading Supervisor - Manager of business operations**
 Luka Rijeka d.d.
 Riva 1, 51000 Rijeka (Croatia)
 Planning, Organizing and Managing of the entire process of cargo loading/unloading.
 Business or sector Operational Department - Container Terminal
- 01/2001–08/2001 **Department of Maritime Affairs, Transportation and Communication - correspondation**
 Primorsko-goranska County
 Adamićeva 10/V, 51000 Rijeka (Croatia)
 The concessions on the maritime domain.
 Business or sector Department of Maritime Affairs, Transportation and Communication
- 2000 **Translator for English and Italian language**
 Brodogradilište Viktor Lenac d.d.
 Martinšćica b.b., 51000 Rijeka (Croatia)
 Correspondation, translation
 Business or sector Commercial Department

EDUCATION AND TRAINING

- 2012 **Ph.D degree - Technical Science**
 University of Rijeka, Faculty of Maritime Studies
 Studentska 2, 51000 Rijeka (Croatia)
 Postgraduate study "Maritime Affairs"
 Doctoral dissertation - "Optimization of Inland Transport Infrastructure between Pan-european corridor V and branch Vb"
- 2006 **Master of Technical Sciences**
 University of Rijeka, Faculty of Maritime Studies, Rijeka (Croatia)
 Field: Technology of Traffic and Transport, Postgraduate research study "Technological systems in the maritime transport"
 Scientific thesis: "The logistic access for development of the North adriatic ports of Rijeka, Koper and Trieste"
- 2000 **Maritime traffic technology engineer**
 University of Rijeka, Faculty of Maritime Studies
 Studentska 2, 51000 Rijeka (Croatia)

1997 Engineer of maritime traffic - Maritime communications and marine electronics

University of Rijeka, Faculty of Maritime Studies
Studentska 2, 51000 Rijeka (Croatia)

PERSONAL SKILLS

Mother tongue(s) Croatian

Other language(s)

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

Communication skills Good communication and presentation skills acquired while working in the teaching and the presentation of papers at professional and scientific conferences

Organisational / managerial skills

From the year 2020 Head of Department of Maritime and Transportation Technology, University of Rijeka, Faculty of Maritime Studies

From the year 2016 to 2019 Head of postgraduate doctoral study "Maritime Affairs", University of Rijeka, Faculty of Maritime Studies

From the year 2011 Editor in Chief of scientific journal "*Journal of Maritime & Transportation Sciences*", publisher: "Association for Research and Development of Maritime Industries"

Reloading Supervisor- Port of Rijeka - Terminal for general cargo and Container Terminal. Organizing and Managing of the entire process of cargo loading/unloading

Job-related skills

09/2017. - furthermore

The President of the Governing Council of the Natural history museum Rijeka

The natural history museum Rijeka, Lorenzov prolaz 1, Rijeka, Hrvatska

Supervising and management

02/2014. - furthermore

Member of the Supervisory Board of the "Liburnijske vode d.o.o."

Liburnijske vode d.o.o., Liburnijska 2, Grad Opatija, Hrvatska

Utilities and water services - monitoring of business operations

05/2013. - furthermore

Member of the Municipal Council of the municipality of Lovran

Chairman of the Committee on economy of the Municipal Council of the municipality of Lovran

Municipality of Lovran, Šetalište maršala Tita 41, Lovran, Croatia
 Local and regional Government

Digital skills

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

Digital skills - Self-assessment grid

OS: Windows 98/ XP/ Vista/ 7/ 10

Office Tools: MS Office, Opet Office, Microsoft Outlook, Acrobat Reader

Software for modelling: VPA- methods Promethee and Gaia

E- learning systems: Moodle and Merlin

Other skills

Piano, terrain and mountain running

Driving licence

B

ADDITIONAL INFORMATION

Scientific projects:

CEKOM – Center of Competence for Smart Cities; *Connected traffic* – Development of Innovation Systems for Traffic Management, EU, European Regional Development Fund, head of project team, 2020. -

Development of Energy Efficiency Mobility services for the Adriatic Marinas – DEEP SEA, Interreg Italy – Croatia, 2019.- member of the project team

Master plan of the transport system of the North Adriatic Functional Region, EU, Cohesion fund, 2018., member of the project team

Development of models and advanced algorithms for planning and management of transport processes at container terminals - MALKON, University of Rijeka, 2018-2019 – member of the project team

EcoSUSTAIN - Ecological sustainable Governance of Mediterranean protected Areas, EU, Interreg MED, member of the project team, 2017-2019.

SULPITER – Sustainable Urban Logistics Planning to Enhance regional freight transport, EU, Interreg Central Europe, contributor on project, 2017. -

KIKLOP - "Development of innovative methods of acquiring qualifications and competence in logistics and maritime transport", member of the project team, ESF, 2016-2017

„Croatian maritime terminology – tradition and modern trends“ (MARITERM), Croatian National Science Foundation, *project manager*: dr. sc. Boris Pritchard, researcher and professional consultant, 2011. – 2012.

AdriaticMoS, Developing of motorways of sea system in Adriatic region, IPA Adriatic Cross-border

Cooperation Programme, researcher - associate on a project, 2011- 2014.

INTERMODADRIA – Supporting intermodal transport solutions in the Adriatic area, Adriatic IPA CBC, researcher - associate on a project, 2014.

Quantitative methods in the function of the optimal management of the maritime system, Ministry of science, education and sports of the Republic Of Croatia, project number: 112-1121722-3308, associate on a project, 2010. – 2014.

Model of traffic and logistics integration of Croatian sea and river ports, Ministry of science, education and sports of the Republic of Croatia, project number: 112-1121722-3152, associate on a project, 2006. – 2010.

Conferences

Vilke, S.; Debelić, B.; Mance, D.: *Application of the Multi-Criteria Analysis For the railway route evaluation and selection*, Proceedings of The 20th International Scientific Conference „Business Logistics in Modern Management”, Osijek, 7-9 October, 2020., 21-40.

Mance, D.; Debelić, B.; Vilke, S.: *Panel analysis of Warehousing economic Performance in 13 new EU Member States*, Proceedings of The 20th International Scientific Conference „Business Logistics in Modern Management”, Osijek, 7-9 October, 2020., 181-195.

Krljan, T., Vilke, S.: *Application of the microsimulation traffic model in Assessing congestion of the container terminal “Brajčica” access road network*, International Conference of Maritime Science & Technology NAŠE MORE 2019, Dubrovnik, Croatia, 17 – 18 October 2019.

Vilke, S.; Grubisic, N.; Krljan, T.: *The Reconstruction of the Railway Transport System in the service of Port of Rijeka Development*, 30th European Conference on Operational Research, Dublin, 23.-26. June, 2019.

Debelić, B.; Vilke, S.; Maglić, L.: *County and local public ports development through entrepreneurship strengthening*, Proceedings of The 18th International Scientific Conference „Business Logistics in Modern Management”, Osijek, 11-12 October, 2018., 369-388.

Kos, S.; Vilke, S.; Brčić, D.: *Redirection of the World Traffic Flow Far East – Europe via the Adriatic Sea*, 2nd Annual International Conference on Transportation, 6-9 June 2016, Athens.

Debelić, B.; Vilke, S.; Milanović, S.: *Port competitiveness and ecological impact of logistics activities: a case study of the port of Ploče*, Proceedings of The 16th International Scientific Conference „Business Logistics in Modern Management”, Osijek, 13 October, 2016., 3-20.

Vilke, Siniša, Baričević, Hrvoje, Maglić, Livia: *The Significance of the Intermodal Transport Route through the Port of Rijeka for Sustainable Transport*, Proceedings of the 15th International Scientific Conference “Business Logistics in Modern Management, pp. 201 – 209, Osijek, 2015.

Vilke, S.; Debelić, B.; Maglić, L.: *Road network linking the sea port as a vital transport factor determining its successful hinterland interconnection. Factors determining their primary and secondary role in the case of the port of Ploče*, Proceedings of The 16th Annual General Assembly of the International Association of Maritime Universities, Opatija, 7 – 10 October, 2015., 371 – 375.

Vilke, S.; Baričević, H.; Debelić, B.: *The meaning of the North Adriatic port of Rijeka, Koper and Trieste for the Pan- European Corridor V and a branch Vb*, KoREMA - Automation in traffic 2015., 35. scientific meeting about traffic systems with international participation, Proceedings, Zagreb, 3-8 November 2015.

Vilke, Siniša, Baričević, Hrvoje, Maglić, Livia: *Competitive Capability analysis of the North Adriatic Transport Route*, ZIRP- "Zbornik radova sa Međunarodnog znanstveno-stručnog

savjetovanja"Proceedings of the International Scientific and professional advisory services "Possibilities of transport system of the Republic of Croatia - anniversary of EU membership", Faculty of Transport and Traffic Sciences, ISBN:978-953-243-066-0, Zagreb, 2014.

Maglić, Livia; Baričević, Hrvoje; Vilke, Siniša: *Carpooling and the development of sustainable transport*, ZIRP- "Zbornik radova sa Međunarodnog znanstveno-stručnog savjetovanja" - Proceedings of the International Scientific and professional advisory services "Planning and development of an environmentally sustainable transport system" Possibilities of transport system of the Republic of Croatia - anniversary of EU membership", Faculty of Transport and Traffic Sciences, ISBN:978-953-243-066-0, Zagreb, 2013

Research papers

Grubišić, N.; Krljan, T.; Maglić, L.; Vilke, S.: *The Microsimulation Model for Assessing the Impact of Inbound Traffic Flows for Container Terminals Located near City Centers*, Sustainability, 12 (2020), 22, 9478.

Mance, D.; Vilke, S.; Debelić, B.: *Sustainable Governance of Coastal Areas and Tourism Impact on Waste Production: Panel Analysis of Croatian Municipalities*, Sustainability, 12 (2020), 18, 7243.

Vilke, S.; Tadić, F.: *The Implementation of Electricity as Road Transportation Fuel*, Pomorski zbornik: Journal of Maritime & Transportation Sciences, 58 (2020), 91-110

Maslarić, M.; Nikoličić, S.; Bojić, S.; Debelić, B.; Vilke, S.: *Logistics characteristics of goods and containerization level*, International journal for traffic and transport engineering, Vol. 9 (3), 2019., 347 – 357

Vilke, S.; Krpan, Lj.; Milković, M.: *Application of the Multi-Criteria Analysis in the Process of Road Route Evaluation*, Tehnički vjesnik – Technical gazette, Vol. 25 (6), 2018., 1851-1860;

Krpan, Lj.; Vilke, S.; Milković, M.: *A model of the selection of an optimal railroad route by applying the multiple-criteria analysis*, Tehnički vjesnik – Technical gazette, Vol. 24 (4), 2017.

Vilke, S.; Brčić, D.; Kos, S.: *Northern and Southern European traffic flow land segment analysis as part of the redirection justification*, The International Journal on Marine Navigation and Safety of Sea Transportation, 11 (2017) 4.

Vilke, S.; Krljan, T.: *Forecast for Lorry Traffic – example of State Road D-404 in Rijeka City*, Pomorski zbornik: Journal of Maritime & Transportation Sciences, 52 (2017), 67-84.

Rak, L.; Debelić, B.; Vilke, S.: *Modelling the railway port infrastructure management system: a case study of the Port of Ploče*, Pomorstvo: Journal of maritime studies, 30 (2016).

Baričević, H.; Čelić, J.; Vilke, S.: *Cooperative Model for Idle Traffic Optimisation*, ToMS – Transactions on Maritime Science, Vol. 5, No. 1, 5 – 10, 2016.

Grubišić, N.; Vilke, S.; Barić, M.: *A Contribution to Berth Allocation Problem Solution with Draft Restrictions*, Pomorski zbornik: Journal of Maritime & Transportation Sciences, 49 127-142 - 2015.

Vilke, S.; Baričević, H.; Maglić, L.: *Criteria for Assessing the Inland Traffic Track*, Suvremeni promet: Modern Traffic, Vol.33, No.1-6, pp.422-427, 2013.

Zenzerović, Z.; Antonini, N.; Vilke, S.: *Methodological approach to the service process research - case study container terminal at the port of Rijeka*, Pomorstvo: Journal of maritime studies, 26 (2012), 1, 227-250.

Vilke, S.; Šantić, L.; Glad, M.: *Redefining of the Rijeka Railway Junction*, Promet: Traffic & Transportation, Vol.23, pp.443-451, 2011

Zenzerović, Z.; Vilke, S.; Jurjević, M.: *Queuing theory in function of planning the capacity of the container terminal in port of Rijeka*, Pomorstvo: Journal of maritime studies, 25 (2011).

Šantić, L., Vilke, S., Grubišić, N.: *Harmful factors of cruise tourism on ship environment*, Naše more, ISSN:0469-6255, Vol.58, No.5-6, pp.229-243, 2011

Dundović, Č., Vilke, S., Šantić, L.: *The significance of the high - efficiency railway Zagreb - Rijeka for the port of Rijeka development*, Pomorstvo- Journal of maritime studies, ISSN:1332- 0718, No.2, pp.165-188, 2010.

Memberships

Head of the Scientific Council for Maritime Affairs (Section for Sea Ports) of the Croatian Academy of Sciences and Arts (HAZU), 2020. -

Member of the Organizing and Scientific Committee of the Conference on Marine Technology – in memoriam of the academician Zlatko Winkler, 2015. -

Member of the Scientific Council for Maritime Affairs (Section for the Croatian maritime heritage) of the Croatian Academy of Sciences and Arts (HAZU), 2015. -

Member of Editorial Board of scientific journal: *Journal of Maritime Studies*, publisher: University of Rijeka, Faculty of Maritime Studies, 2012. -

Member of the Presidency of the Association for Research and Development of Maritime Industries, 2011. -