

## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s)	<b>Damir Zec</b>		
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E-mail	<a href="mailto:zec@uniri.hr">zec@uniri.hr</a> <a href="mailto:zec@pfri.hr">zec@pfri.hr</a>		
Nationality	Croatian		
Date of birth	31. May 1959		
Gender	Male		

### Work experience

Dates	2010 – today
Occupation or position held	Vice Rector for International Relations
Main activities and responsibilities	International relations & information support
Name and address of employer	University of Rijeka
Type of business or sector	University management
Dates	1985 – 2010
Occupation or position held	Assistant, Lecturer, Assistant Professor, Associate Professor, Full professor
Main activities and responsibilities	Vice-dean for R&D
Name and address of employer	Faculty for Maritime Studies
Type of business or sector	Education
Dates	1977 – 1979, 1980 – 1985
Occupation or position held	Deck officer
Main activities and responsibilities	
Name and address of employer	Jugolinija, Rijeka
Type of business or sector	Shipping

### Education and training

Dates	1994
Title of qualification awarded	Doctor – Technical Sciences
Name and type of organisation	Faculty for Maritime Studies, University of Rijeka

providing education and training  
 Level in national or international classification Ph.D.  
 Dates 1992  
 Title of qualification awarded Master of Science – Technical Sciences  
 Name and type of organisation providing education and training Faculty for Maritime Studies, University of Rijeka  
 Level in national or international classification M.Sc.  
 Dates 1985  
 Title of qualification awarded Bachelor – Transport technologies  
 Name and type of organisation providing education and training Faculty for Maritime Studies, University of Rijeka  
 Level in national or international classification B.Sc.

**Personal skills and competences**

Mother tongue(s) **Croatian**

Other language(s) **English**

Self-assessment  
*European level (\*)*

**Language**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
c1	very good	c1	very good	c1	very good	c1	very good	c1	very good

(\*) [Common European Framework of Reference for Languages](http://www.cedefop.europa.eu/en/files/quest_doc/2003/030203en01.pdf)

Technical skills and competences Certificate of Competency – Master on ships of 3000 GT or more (STCW A2-I)

Computer skills and competences MS Office, Mathematica, AutoCAD, Corel, ProModel

Driving licence BCDE

## Additional information

### – Intramural activities

- Faculty of Maritime Studies, Rijeka (*Safety at sea, Transport safety, Voyage planning, International system of maritime safety, Quality management in shipping, Marine technologies*)
- University of Zadar, (*Safety at sea*, since 2001),
- University of Ljubljana, Faculty of Maritime Studies and Transport, Portorož, guest lecturer (since 2000)
- University of Zagreb, Faculty of Economics, Master programme „Quality management”, guest lecturer (2005, 2006)
- University of Trieste, Faculty of Economics, Master programme, guest lecturer (2005, 2006)
- IMOIMA, Trieste, *Flag State Implementation*, lecturer (2001-2007)
- IMSSEA, Genoa, *Search and Rescue, Flag State Implementation*, lecturer (since 2009)
- IMO Programme 6.09 – *Implementation of the STCW Convention*, Alexandria, Egypt, (2003), Budapest, Hungary (2004)

### – R&D

- 29 papers (as author or co-author),
- 35 presentations at scientific venues at home and abroad (as author or co-author),
- 85 professional projects and papers (coordinator or collaborator),
- 2 university books,
- 9 vocational books (as author or co-author),
- 4 mentorships (M.Sc.),
- 4 mentorships (Ph.D.),

### – Professional activities

- Ministry of Sea, Transport and Infrastructure, Examination Boards, member (since 1990)
- Member of the state delegations of the Republic of Croatia – cooperation with neighbouring countries in respect of SAR, VTS, TSS, Adriatic-Ionian Initiative, ro-ro passenger ships safety assessment, etc. since 1996)
- Member of the committees entrusted to prepare a number of legal drafts dealing in general with safety of navigation (since 1997)
- Maritime Training Centre, Faculty of Maritime Studies, head (1997 – 2000)
- Committee for Certification of Small Crafts, Croatian Register of Shipping (since 1998)
- Head of the Organizing Committee of the Conference *Prevention of Accidents, Dealing with Emergencies, Coping with Casualties*, Opatija (1999)
- Vice-Dean for R&D (2000-2004)
- Supervisory board, Luka, d.d., Rijeka, Vice-president (2000-2005)
- IMLA Steering Committee, member (since 2000)
- Editorial Board „Pomorstvo“, member (since 2000)
- Editorial Board „Pomorski zbornik“, member (since 2001)
- Quality Management Committee, Faculty for Maritime Studies, Chairperson (2001-2004)
- IMO Panel of Competent Persons (since 2002)
- Member of the Croatian delegation at IMO (2003 – 2008)
- IAMU WG2 – STCW Implementation, member (2003 - 2004)
- Scientific Committee for Shipping, Croatian Academy for Science and Art, Head of the Sub-Committee for Maritime Shipping (since 2003)
- CARDS program – Harmonization of a national legislation with the EU *Acquis Communautaire* in the area of maritime safety, security and pollution prevention (2005)
- Pre-accession Maritime Strategy of the Republic of Croatia, project leader (2005)
- Member of the peer-review committees for the scientific projects, nominated by the respective ministries of the Republic of Croatia and Republic of Slovenia (2007 – 2009)

- Ad Hoc Maritime Accident Investigation Board, Croatia, chairperson (since 2007)
- NATO Advanced Research Workshop - Human Systems Integration to Enhance Maritime Domain Awareness for Port/Harbour Security Systems, Opatija, co-Director (2008)
- EIA boards, including cross-border impacts (ADRIA LNG, Trieste LNG, Žaulje LNG) (since 2008)

#### **Selected articles:**

- Zec, D., An Algorithm for a Real-Time Detection of Encounter Situations, *The Journal of Navigation* no.1/96, p.121-126. The Royal Institute for Navigation, Cambridge University Press, Cambridge, UK, 1996
- Zec, D., Komadina, P., Proposal for a Routing System on the Adriatic Sea, *Trasporti Europei*, no.1/1996, p.42-46. Istituto per lo Studio dei Trasporti nell' Integrazioni Economica Europea, Trieste, Italy, 1996
- Zec, D., Komadina, P., The Adriatic Sea - A particularly sensitive area, *Trasporti Europei*, no.3/1996, p.42-46. Istituto per lo Studio dei Trasporti nell' Integrazioni Economica Europea, Trieste, Italy, 1996
- Zec, D., Strategic development of maritime traffic organization on the Adriatic Sea, *Naše more* br. 44, Dubrovnik, Croatia, 1997
- Kos, S., Vranić, D., Zec, D., Differential equation of loxodrome on a sphere, *The Journal of Navigation* no.3/99. p. 418-421. The Royal Institute for Navigation, Cambridge University Press, Cambridge, UK, 1999
- Bielić, T., Zec, D., Impact of complacency on the effectiveness of port commercial operations, *Trasporti Europei*, 30/2005, Istituto per lo Studio dei Trasporti nell' Integrazioni Economica Europea, Trieste, Italy, 2005
- Zec, D., Komadina, P.: Recent changes in European MET systems – Influence on the Accident Prevention at Sea, 7th International Conference "The Human Element in Safety and Survival at Sea"- Šibenik, 2006
- Zec, D., Frančić, V., Bukša, J. Scenario-based assessment of effectiveness of oil spill clean-up operations, *Pomorski zbornik*, Rijeka, 2006
- Zec, D., Frančić, V., Rudan, I., An analysis of the security issues in Croatian ports in relation to the port state control inspections, *Promet*, vol.20, str. 31-36, Zagreb, 2008

#### **Selected presentations**

- Zec, D., Pritchard, B., Shipboard Organization, Maritime Safety and Maritime Education, International Symposium on Human Factors on Board, The influence of the Man-Machine Interface on Safety of Navigation, Bremen, 1995.
- Zec, D., Komadina, P., Pritchard, B., Toward a global standard MET system – An analysis of the strengths and weaknesses of present MET systems, 1st IAMU Inaugural General Assembly & Congress, Istanbul, Turkey, 2000
- Zec, D., Kos, S., Mohović, R., High-level management functions in MET, plenary presentation 3rd IAMU General Assembly & Congress, Rockport, Maine, USA, 2002
- Zec, D., Knežević, B., Perčić, U., Impact of socio-economic environment on quality standards in MET institutions, „Safety at Sea through Quality Assurance in MET Institutions“, St. Petersburg, Russia, 2004
- Bielić, T., Zec, D., Influence of ship technology and organization on fatigue, International Symposia on Maritime Health, 35-45, Rijeka, Croatia, 2005
- Zec, D., Kovačić, M., Favro, S. Importance of the safety of navigation and safety protection to nautical tourism, The International Emergency Management Society, 14th Annual Conference Proceedings, urednik: Alan Jones, Split, 2007
- Zec, D., Frančić, V., Šimić-Hlača M. Ports security organization and functionality - Implementation of the ISPS Code in medium and small countries, NATO ARW, Proceedings "Science for Peace – On port security", Opatija, 2009
- Zec, D., Maglić L., Šimić Hlača, M. Maritime Transport and Possible Accidents in the Adriatic Sea, 17th Annual Conference of the European Environment and Sustainable Development Advisory Councils EEAC, Towards Sustainable European Infrastructures, Dubrovnik, 2009
- Zec, D. Training the Croatian seafarer: Developments in Croatian MET, The 13th European Manning and Training Conference, Lloyd's List, Dubrovnik, 2010

### **Selected projects**

- SAR Service, establishment of the SAR service in Croatia, Ministry of the Sea, Transport and Infrastructure, project manager, 1996/1997
- EC Waterborne Transport 4th Framework – Task 43 Harmonization of European Schemes – METHAR, World Maritime University, Malmo, Sweden, 2000, (non-EU participant representing Croatian MET institutions)
- EC Waterborne Transport 5th Framework – Programme for research technological development and demonstration on "Competitive and sustainable growth 1998-2002 (GROWTH)" - THEMATIC NETWORK ON MARITIME EDUCATION, TRAINING AND CERTIFICATION – METNET, World Maritime University, Malmo, Sweden, 2002, (non-EU participant representing Croatian MET institutions)
- Study "Safety of navigation of tankers in Adriatic Sea heading to port of Omišalj", ordered by Institute of oceanography and fishing, Split, Croatia and JANAF d.d., (part of the Environment Impact Assessment of the Družba Adria project), project manager, Rijeka, 2004
- Scenario-based response modelling in case of large-scale pollution from ships, project manager, Primorsko-goranska County, Rijeka, 2006
- Assessment of the existing contingency plan, Primorsko-goranska County, project manager, Rijeka, 2007
- Places of Refuge - east coast of the Adriatic Sea (according to EU Directive 59/2002), contracted by Ministry of the Sea, tourism, transport and development of the Republic of Croatia, project manager, Rijeka, 2007/2008
- Potential impact of proposed Adria LNG terminal on other marine activities, Environmental Resources Management Ltd, (ERM), Manchester, UK, 2008.
- Croatian VTMIS - consultant for technology and organization, (according to EU Directive 59/2002), contracted by the Ministry of Science, Education and sport for the Ministry of the Sea, tourism, transport and development of the Republic of Croatia, project manager, Rijeka, 2008/2009
- ACCREDIMET I & II - A feasibility study on the establishment of an IAMU accreditation scheme (Phase II), WMU (lead partner), financed by Nippon Foundation on behalf of IAMU, 2009 - 2011
- MARSIC: Securing commercial shipping lanes for the benefit of Gulf of Aden coastal States, France Expertize Internationale, STE, EU, 2010-2013
- Support to Reform of Higher Education in Bosnia and Herzegovina, STE, GOPA, EU, 2009-2011