



## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s) **Danilo Nikolic**

web [www.ucg.ac.me](http://www.ucg.ac.me)

Nationality Montenegrin

Date of birth 08-05-1969

Gender Male

**Employment / Occupational field** **Professor at the University of Montenegro (Faculty of Maritime Studies)  
I.C. Engines, Fuels, Combustion, Emission and Environmental protection**

### Work experience

**Dates** From October 1995 – up to now

Occupation or position held **Assistant Professor / Dean of Maritime Faculty (currently)**

Main activities and responsibilities Lecturing, research

Name and address of employer University of Montenegro, Maritime Faculty, Dobrota 36, 85330 Kotor, Montenegro ([www.fzpkotor.com](http://www.fzpkotor.com))

Type of business or sector Higher education / Public

**Dates** From March 2015 – up to now

Occupation or position held **National coordinator for Horizon 2020 and NFP for energy**

Main activities and responsibilities Coordination for Horizon 2020 applications and national focal point for energy sector

Name and address of employer Ministry for science of Montenegro

Type of business or sector Public

**Dates** From March 2015 – up to now

Occupation or position held **Member of Montenegrin Council for higher education**

Main activities and responsibilities Implementation of Montenegrin law on higher education in Montenegro

Name and address of employer Ministry for education of Montenegro

Type of business or sector Public

**Dates** From March 2011 – up to now

Occupation or position held **President of the committee for oil and gas**

Main activities and responsibilities Introduction of standards EN and ISO

Name and address of employer Montenegrin Institute for standardisation

Type of business or sector	Public
<b>Dates</b>	From June 2010 – up to now
Occupation or position held	<b>Expert for environmental protection sector</b>
Main activities and responsibilities	Accreditation of laboratories
Name and address of employer	Montenegrin Accreditation Body
Type of business or sector	Public
<b>Dates</b>	From June 2010 -
Occupation or position held	<b>Committee member for energy efficiency and environmental protection</b>
Main activities and responsibilities	Project activities
Name and address of employer	Montenegrin Chamber of Commerce
Type of business or sector	Public
<b>Dates</b>	From May 2009 – 2013
Occupation or position held	<b>Council President of Montenegrin Environmental Protection Agency</b>
Main activities and responsibilities	Activities related to governing of Montenegrin EPA
Name and address of employer	Montenegrin EPA - Environmental Protection Agency, Podgorica, Montenegro
Type of business or sector	Public agency
<b>Dates</b>	From April 2004 up to now
Occupation or position held	<b>Scientific consultant at Institute for transportation</b>
Main activities and responsibilities	Consultant for fuel quality testing laboratory
Name and address of employer	Institute for transportation in Podgorica, Montenegro (www.intra.co.me)
Type of business or sector	Private company
<b>Dates</b>	2005 - 2006
Occupation or position held	<b>Scania truck rep. office in Montenegro / Executive director (a part time job)</b>
Main activities and responsibilities	Sales activities and technical consultations
Name and address of employer	Delahaye motors doo, Podgorica, Montenegro
Type of business or sector	Private company
<b>Dates</b>	From 2001 - 2004
Occupation or position held	<b>Iveco truck rep. office in Montenegro / Executive director (a part time job)</b>
Main activities and responsibilities	Sales activities and technical consultations
Name and address of employer	Italauto doo, Podgorica, Montenegro
Type of business or sector	Private company
<b>Dates</b>	From 1995 up to 2000
Occupation or position held	<b>Volvo truck rep. office in Montenegro / Executive director (a part time job)</b>
Main activities and responsibilities	Sales activities and technical consultations
Name and address of employer	Volmont doo, Podgorica, Montenegro
Type of business or sector	Private company
<b>Education and training</b>	
<b>Dates</b>	2007/2008
Title of qualification awarded	<b>Visiting professor / researcher</b>
Principal subjects/occupational skills covered	Motor vehicles, engines, alternative fuels and exhaust emission
Name and type of organisation providing education and training	University of Michigan, Dept. of Mechanical eng., W.E. Lay automotive laboratory, Ann Arbor, MI, USA
<b>Dates</b>	2005/2006
Title of qualification awarded	<b>Visiting researcher</b>

Principal subjects/occupational skills covered	Alternative fuels and exhaust emission										
Name and type of organisation providing education and training	Japanese National Institute of Advanced Industrial Science & Technology, Clean Power System Group, Tsukuba, Ibaraki, Japan										
<b>Dates</b>	2002										
Title of qualification awarded	<b>PhD title obtained</b>										
Principal subjects/occupational skills covered	Diesel engine, fuels and exhaust emission										
Name and type of organisation providing education and training	University of Montenegro, Faculty of mechanical engineering, Podgorica, Montenegro / KEIO University, Dept. of System Design, Tokyo, Japan										
<b>Dates</b>	2000/2001										
Title of qualification awarded	<b>Visiting researcher</b>										
Principal subjects/occupational skills covered	Diesel engine, fuels and exhaust emission										
Name and type of organisation providing education and training	KEIO University, Dept. of System Design, Tokyo, Japan										
<b>Dates</b>	1999										
Title of qualification awarded	<b>Master of sciences title obtained</b>										
Principal subjects/occupational skills covered	Diesel engine, fuels and exhaust emission										
Name and type of organisation providing education and training	University of Belgrade, Faculty of mechanical engineering, Belgrade, Serbia										
<b>Dates</b>	1995										
Title of qualification awarded	<b>Bachelor of science diploma obtained</b>										
Principal subjects/occupational skills covered	Motor vehicles and exhaust emission										
Name and type of organisation providing education and training	University of Montenegro, Faculty of mechanical engineering, Podgorica, Montenegro										
<b>Personal skills and competences</b>											
Mother tongue(s)	<b>Montenegrin</b>										
Other language(s)											
Self-assessment	<b>Understanding</b>				<b>Speaking</b>				<b>Writing</b>		
<i>European level (*)</i>	Listening		Reading		Spoken interaction		Spoken production				
<b>English</b>	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	
	(*) <i>Common European Framework of Reference for Languages</i>										
Social skills and competences	Good to communicate with people with diverse background, internationally, based on many years of living abroad - USA (3 years) and Japan (2 years).										
Organisational skills and competences	Proficient leadership skills (Dean at the Maritime faculty, Council president at Montenegrin EPA, Executive director at different companies) and team work (different research activities)										
Computer skills and competences	Good command of Microsoft office and Internet applications										
<b>Additional information</b>											
<b>Grants and awards</b>											

	<ul style="list-style-type: none"> <li>• Fulbright fellowship at the University of Michigan in Ann Arbor, Dept. of Mechanical eng., W.E. Lay Automotive lab., USA, 2007-2008</li> <li>• Fellowship from Japanese National Institute of Advanced Industrial Science &amp; Technology - AIST, Clean fuels laboratory, Tsukuba Science city, Japan, 2005-2006.</li> <li>• Fellowship from KEIO University, Iida Laboratory, Tokyo, Japan, 2000-2001</li> </ul>
<b>Memberships in international organizations</b>	<ul style="list-style-type: none"> <li>• A member of JSAE – Japan Society of Automotive Engineers (Japan),</li> <li>• A member of SAE – Society of Automotive Engineers (USA)</li> </ul>
<b>Community service</b>	<ul style="list-style-type: none"> <li>• A member of the Commission for driver's license examination in Montenegro for all driving categories in front of Ministry for education. 1995 - 2000</li> </ul>

## Annex – Projects:

1. Montenegro Sustainable Maritime Competence Development Initiative, HERD Maritime 2010-2014, Higher education, research and development in the Western Balkans - maritime sector programme 2012-2014. Project partner UofM Maritime Faculty Kotor, project leader for partner prof. dr Danilo Nikolic, collaboration between Maritime faculty in Kotor with Alesund University College, Norway (june 2013 – june 2015).
2. Modernizing and harmonizing maritime education in Montenegro and Albania – MarED, TEMPUS IV – 6th Call for proposals, project coordinator UofM Maritime Faculty Kotor, project leader prof. dr Danilo Nikolic (01/12/2013 - 30/11/2016).
3. Development of Sustainable Interrelations between Education, Research and Innovation at WBC Universities in Nanotechnologies and Advanced Materials where Innovation Means Business. TEMPUS IV – 6th Call for proposals. Project partner UoM Maritime Faculty Kotor, project leader for partner prof. dr Danilo Nikolic (01/12/2013 - 30/11/2016).
4. Possibilities of exhaust gas emission reduction from ships in Montenegrin and Croatian parts of Adriatic sea with implementation of Marpol Annex VI code. Project leader prof. dr Danilo Nikolic. Supported by Montenegrin Ministry of Science (bilateral cooperation with Croatia); collaboration between Maritime faculty in Kotor with Maritime faculty, University of Split, Croatia (2013-2015.g.)
5. Production of liquid biofuels from renewable sources and their use in diesel engines on merchant and navy ships in Montenegro. Project leader prof. dr Danilo Nikolic. National project supported by Montenegrin Ministry of Science, 2012-2015.
6. Exploring the possibility of production of biofuels from waste materials and its application in the internal combustion engines. Project leader prof. dr Danilo Nikolic. Supported by Montenegrin Ministry of Science (bilateral cooperation with Bosnia and Herzegovina); collaboration between Maritime faculty in Kotor with Mechanical faculty, University of Sarajevo, Bosnia and Herzegovina (2012-2014.g.)
7. Research in the domain of ballast water managing. Project leader prof. dr Danilo Nikolic. Supported by Montenegrin Ministry of Science (bilateral cooperation with Slovenia); collaboration between Maritime faculty in Kotor, Montenegro with Maritime and Traffic Faculty, University of Ljubljana, Slovenia (2011-2012.g.)
8. Transport sector research environment in Montenegro, WBC-INCO.NET setting of regional research priorities. Project leader prof. dr Danilo Nikolić. Supported by Montenegrin Ministry of Education and Science (2009).
9. The current state of fuel quality in Montenegro. Project leader prof. dr Danilo Nikolić. Supported by Institute for transportation, Podgorica, Montenegro (2008 -2011)
10. Impact of alternative fuels on particulate emissions from diesel-fueled motor vehicle. A member of research team. University of Michigan, Dept of Mechanical eng., W.E. Lay automotive laboratory, Ann Arbor, MI, USA.
11. Investigation of alternative fuels (DME, GTL-Gas to Liquid Diesel, Diesel JIS2 without sulfur) influence on exhaust emission of nano-particulates (particles smaller than 50 nanometers in radius). A member of research team. Japan National Institute of Advanced Industrial Science & Technology, Clean Power System Group, Namiki 1-2-1, Tsukuba, Ibaraki, 305-8564, Japan.
12. Type approval of exhaust emission of KUBOTA V3300E engine using test cycle ISO 8178. A member of research team. Japan National Institute of Advanced Industrial Science & Technology, Clean Power System Group, Namiki 1-2-1, Tsukuba, Ibaraki, 305-8564, Japan.
13. A new method of VOC (volatile organic compounds) sampling from motor vehicle exhaust emission using test cycle ISO 8178. A member of research team. Japan National Institute of Advanced Industrial Science & Technology, Clean Power System Group, Namiki 1-2-1, Tsukuba, Ibaraki, 305-8564, Japan.
14. Investigation of diesel fuel injection duration on combustion process and NOx (nitrogen oxides) and soot formation. A member of research team. Iida laboratory, KEIO University, 3-14-1 Hiyohsi, Kouhoku-ku, Yokohama-city, Kanagawa, 223-8522 Japan.
15. Investigation of nozzle hole diameter (diesel injection system) on combustion process and NOx (nitrogen oxides) and soot formation. A member of research team. Iida laboratory, KEIO University, 3-14-1 Hiyohsi, Kouhoku-ku, Yokohama-city, Kanagawa, 223-8522 Japan.
16. Investigation of EGR (Exhaust Gas Recirculation) on combustion process and NOx (nitrogen oxides) and soot formation. A member of research team. Iida laboratory, KEIO University, 3-14-1 Hiyohsi, Kouhoku-ku, Yokohama-city, Kanagawa, 223-8522 Japan.
17. Investigation of total aromatics content in diesel fuel on combustion process and NOx (nitrogen oxides) and soot formation. A member of research team. Iida laboratory, KEIO University, 3-14-1 Hiyohsi, Kouhoku-ku, Yokohama-city, Kanagawa, 223-8522 Japan.
18. Investigation of aromatics type in diesel fuel on combustion process and NOx (nitrogen oxides) and soot formation. A member of research team. Iida laboratory, KEIO University, 3-14-1 Hiyohsi, Kouhoku-ku, Yokohama-city, Kanagawa, 223-8522 Japan.
19. Investigation of diesel fuel distillation temperature T90 on combustion process and NOx (nitrogen oxides) and soot formation. A member of research team. Iida laboratory, KEIO University, 3-14-1 Hiyohsi, Kouhoku-ku, Yokohama-city, Kanagawa, 223-8522 Japan.

Investigation of diesel fuel cetane number on combustion process and NOx (nitrogen oxides) and soot formation. A member of research team. Iida laboratory, KEIO University, 3-14-1 Hiyoshi, Kouhoku-ku, Yokohama-city, Kanagawa, 223-8522 Japan.

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