

CURRICULUM VITAE



Radoje (Vujadin) Vujadinovic

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DATE AND PLACE OF BIRTH: 22.08.1974, Belgrade, Serbia

EDUCATIONAL BACKGROUND

- 1992-1998 Bachelor of Engineering, Mechanical Engineering, University of Montenegro, Faculty of Mechanical Engineering, Podgorica, Montenegro.
- 1999-2004 Master of Engineering, Mechanical Engineering, Belgrade University, Faculty of Mechanical engineering, Belgrade, Serbia. The Master degree thesis was in the field of environment and vehicle pollution (Title-*Condition of exhaust emissions of vehicles in exploitation.*) Mentor was prof. Stojan Petrovic from University of Belgrade, Faculty of Mechanical engineering, department of Internal combustion engines.
- 2004-2005 Doctor of Science, Belgrade University, Faculty of Mechanical engineering, Belgrade, Serbia. The Doctor Degree thesis title was "*Modeling of the carbon-dioxide emission from passenger cars in the traffic*". Mentor was prof. Stojan Petrovic from University of Belgrade, Faculty of Mechanical engineering, department of Internal combustion engines.

EMPLOYMENT HISTORY

- 1999-2006 Associate at the University of Montenegro, Faculty of Mechanical engineering.
- 2006 -2017 Assistant Professor at the University of Montenegro, Faculty of Mechanical Engineering in Podgorica. Courses at the Faculty of Mechanical Engineering: *Road Vehicles, Maintenance Of Road Vehicles, Traffic Planning, Road Traffic And Ecology, Energy Efficiency in Road Transport, Road Transport and the Environment.* Courses at the Faculty of Civil Engineering-Master Studies: *Transport And Environmental Protection, Energy Efficiency In Transport.*
- 2017 - Associate Professor at the University of Montenegro, Faculty of Mechanical Engineering in Podgorica. Courses at the Faculty of Mechanical Engineering: *Road Vehicles, Maintenance Of Road Vehicles, Traffic Planning, Road Traffic And Ecology, Energy Efficiency in Road Transport, Road Transport and the Environment.* Courses at the Faculty of Civil Engineering-Master Studies: *Transport And Environmental Protection, Energy Efficiency In Transport.*

ORGANIZATION OF INTERNATIONAL CONFERENCES

1. Organizing committee member of international conference IPS (Power source and transfer) 1999, Bečići, Montenegro.
2. Organizing committee member of international conference IPS (Power source and transfer) 2001, Bečići, Montenegro.
3. Secretary of international conference - Automobile and Ecology, Ulcinj, 2003, Montenegro.
4. Member of the Program and Scientific Committee 15. Symposium with international participation "EXPLOITATION OF TRAFFIC ACCIDENTS AND INSURANCE INSURANCE" - Organizers: Faculty of Transportation, Belgrade / Traffic Faculty, Faculty of Mechanical Engineering Podgorica, TRAFFIC SAFETY GROUP, Soko Banja, March 17-20, 2016
5. International Programme Committee member of 8th International Scientific Conference IRMES 2017 Machine elements and systems in energy sector - development of power production systems. <http://www.irmes2017.ac.me/programski.php?jezik=en>
6. Member of the Program and Scientific Committee of the 13th International Conference on Achievements in Electrotechnics, Mechanical Engineering and Informatics DEMI 2017 - Organizers: Faculty of Mechanical Engineering Banja Luka / Faculty of Mechanical Engineering Podgorica, 27-30 May 2017 <http://demi.rs.ba/2017/>
7. Program Committee member of YOUNg ResearcherS CONFERENCE – YOURS CONFERENCE 2019. Beograd 26-27 Mart,2019:

FELLOWSHIPS

Slovenia, University of Maribor, Faculty of Mechanical Engineering – 2004-2005, Mentor-Emeritus professor Želimir Dobovišek, Scholarship of the Ministry of education and sport of Government of the Republic of Slovenia

PUBLICATIONS

Books (Co-author)

1. "**Motor Vehicles**", Doclean Academy of Science and Arts & Institute for transportation, 2006.

Manuals for students

1. "**Internal combustion Engines I**", University of Montenegro, Maritime faculty, 2005,
2. "**Internal combustion Engines II**", University of Montenegro, Maritime faculty, 2005,
3. "**Road Transport and Ecology**", University of Montenegro, Faculty of mechanical eng., 2005,
4. "**Motor vehicles**", University of Montenegro, Faculty of mechanical engineering, 2006,

Publications in journals

1. Nikolic Danilo, **Radoje Vujadinovic**, and Norimasa Iida, **Experimental study on effects of different EGR ratio on flame temperature and soot formation using diesel fuels with different T90 distillation temperatures** Journal - Strojniški Vestnik, Slovenia, 2006.

2. **Vujadinovic Radoje** and Nikolic Danilo, **"Harmonization Of Rules In The Republic Of Montenegro With The EU In The Area Of Roadworthiness Tests Of Motor Vehicles"**, QUALITY, Journal for quality improvements, ISSN 0354-2408, Belgrade, Serbia, 2006
3. Nikolic Danilo and **Vujadinovic Radoje**, **"Legislation Harmonization In Republic Of Montenegro With EU And UNECE In The Area Of Motor Vehicle Type Approval"**, QUALITY, Journal for quality improvements, ISSN 0354-2408, Belgrade, Serbia, 2006.
4. **Vujadinovic R.**, Nikolic D., Dobovisek Z., **"Alternative approach to the modelling of CO₂ emission from passenger vehicles"** Fuels and Lubricants, Journal for Tribology, Lubrication, Application of Liquid and Gaseous Fuels and Combustion Engineering, ISSN 0350-350X 2/2007, Zagreb, Croatia, 2007.
5. Nikolic Danilo and **Vujadinovic Radoje**, **"Legislation Harmonization In Republic Of Montenegro With EU In The Area Of Motor Fuels Quality"**, QUALITY, Journal for quality improvements, ISSN 0354-2408, Belgrade, Serbia, 2007.
6. **Vujadinovic Radoje** and Nikolic Danilo, **"Assessment of Motor Vehicle Life Cycle Environmental Impact According to ISO 14040"**, QUALITY, Journal for quality improvements, ISSN 0354-2408, Belgrade, Serbia, 2008.
7. **Vujadinović R.**, Boskovic Lj., Karadzic U.: **"Renewable Energy Source As An Alternative To Diesel Generators In Telecommunications Companies"**, ENERGY-ECONOMY-ECOLOGY (ISSN 0354-8651), Year XIII, 2011.
8. Jankovic A., **Vujadinović Radoje**, **"The Rules Of The EU Which Governing The Time The Driver And The Application Of Digital Tachograph In Road Transport"**, QUALITY, Journal for quality improvements, ISSN 0354-2408, Belgrade, Serbia, 2011.
9. Brakocevic A., **Vujadinović Radoje**, **"Energy Management Of Enterprise's Vehicle Fleet"**, KVALITET I IZVRSNOST, broj 3-4, ISSN 2217-852X, Belgrade, Serbia, 2013.
10. Karadzic U., **Vujadinović Radoje**, **"Hydro Potential Of Montenegro - Status, Prospects Of Utilization And Legislative Framework"**, ENERGY-ECONOMY-ECOLOGY (ISSN 0354-8651), Year XV, 2013.
11. Uros Karadzic, Vuko Kovijanic, **Radoje Vujadinovic**, **"Possibility for Hydroenergetic Utilization of Relatively Researched Water Streams"**, Water Resources ISSN 0097_8078, 2014, Vol. 41, No. 6, pp. 774–781. © Pleiades Publishing, Ltd., 2014
12. **Vujadinović, R.**, Karadžić, U. (2016) **Techno-economic analysis of the project Možura Wind Park with installed capacity of 46 MW**, ENERGY-ECONOMY-ECOLOGY, Number 3-4, Year XVIII, UDC 620.9, mart 2016:74-81, ISSN 0354-8651.
13. **Vujadinović, R.**, Karadžić, U. (2016) **Education of local governments as a way towards sustainable development of the countries of the Western Balkans - Case Study of Montenegro**, European Journal of Sustainable Development Research, CODEN: EJSDR, Publisher: CNR Group, Istanbul (Turkey): 63-71, ISSN: 2458-8091
14. **Vujadinovic, R.**, Tombarevic, E. and Karadzic, U. (2017) **Valorization of Potentials of Wind Energy in Montenegro**, Thermal Science, Institut Vinca, Belgrade, Serbia, Year 2017, Volume 21, Issue 5, Pages [1893 - 1903], ISSN 0354-9836, E- ISSN 2334-7163
15. Burić M., **Vujadinović R.**, Kresojević I., Đurišić S., Lučić M. (2018) **Detection of the cracks at the branch of the A6 pipeline C3 in the HPP "Perućica"**, POGLED- Journal of the Montenegrin Chamber of Engineers, Year 8, Number 23, 2018: 44-47, ISSN 2336-9175 Print, e-ISSN 2336-9183 Online

16. Burić M., Vujadinović R., Kresojević I., Đurišić S., Lučić M. (2018) **Numerical calculation of the A6 bifurcation in C3 pipeline in HPP „Perućica”**, Machine Design, Volume 10, Number 1, 2018: pp 7-10, ISSN 1821-1259 Print, e-ISSN 2406-0666 Online

Publications in monography:

1. Vušanović I, Vujadinović R.: **Montenegro in the XXI century in the era of competitiveness-Energy (6-3, 6-3a)**, MONTENEGRO ACADEMY OF SCIENCES AND ARTS, 73/7 (p. 187-248), ISBN 978-86-7215-243-2, Podgorica, 2010

Publications on conferences:

Author:

1. **Vujadinovic R.**, Nikolic D., Pajkovic V., Simovic S., Nikolic B. "**Analysis of exhaust emission from motor vehicles in Montenegro**", International conference IPS (Power source and transfer), Bečići, Montenegro, 2001.
2. **Vujadinović R.**, Nikolić D., Simović S., Pajković V., Damjanović M., Kujović D.: "**Current pollution problems in Montenegro from vehicles in use**", AUTOMOBILE AND ECOLOGY, Ulcinj, 2003..
3. **R. Vujadinovic**, D. Nikolic and B. Nikolic "**Exhaust Emission from in Use Vehicles Equipped with Gasoline Engines**", Clean Air - Technologies and Combustion for a Clean Environment, Lisabon, Portugal, 2005.
4. **R. Vujadinovic**, D. Nikolic. "**Environmental Impact of Road Transport in the Republic of Montenegro**", QME International Conference, Budva, Montenegro, 2006.
5. **R. Vujadinovic**, D. Nikolic. "**Global Warming And CO₂ Emissions of Road Transportation: Comparative Analysis of Technologies and Fuels**", QME International Conference, Budva, Montenegro, 2007,
6. **R. Vujadinovic**, D. Nikolic. "**Roadworthiness Tests Of Motor Vehicles In the Function of Preventive Maintenance-Directive EU** ", KOD 2007, Tivat, Montenegro, 2007
7. **R. Vujadinovic**, D. Nikolic. "**Measures For Improving Energy Efficiency In Road Transport**", SIMTERM 2007, Soko Banja, Serbia, 2007
8. **R. Vujadinovic**, D. Nikolic. "**Innovated Model Repas For Calculation Of CO₂ Emission From Passenger Cars In Developing Countries**", ENVIROINFO 2007, Systems Research Institute-Polish Academy of Science, Warsaw, Poland, 2007,
9. **Vujadinović R.**, "**Hybrid Vehicles-Vehicles for Sustainable Development**", KOD 2010, Ulcinj, Montenegro, 2010.
10. **Vujadinović R.**: "**Efficiency Trends In Transport Sector In The EU Energy**", ICQME International Conference, Budva, 2010.
11. **Vujadinović R.**: "**CNG As Alternative Fuel For Motor Vehicles**", I International Symposium on Corrosion and Protection of Materials and the Environment, Bar, Montenegro, Bar, 2010.
12. **Vujadinović R.**, Bošković Lj., Karadžić U.: "**Application Of Renewable Energy Sources In The Telecommunication Sector**", II International Symposium „Engineering, Ecology And Materials In Process Industry, Bosnia and Hercegovina, Jahorina, 2011.

13. **Vujadinovic R.:** "Air Quality Management And Sustainable Transport", 6th International Conference ICQME 2011, Budva, September 2011. pp. 387-394 ISBN 978-9940-527-19-8
14. **Vujadinović R.:** "The examples of a good practice of local governments in energy management", 7th International Conference ICQME 2012, Budva, September 2012. CD Proceedings
15. **Vujadinović R.:** "Properties of batteries in electrical cars", Second International Symposium On Corrosion And Protection Of Materials And Environment, Crnogorsko društvo za zaštitu materijala i životne sredine i Agencija za zaštitu životne sredine Crne Gore, Bar, 2012.
16. **Vujadinović R., Karadžić U.:** "Use of aluminium in the production of cars", INDUSTRIAL ENGINEERING AND ENVIRONMENTAL PROTECTION-IEEP 2012, University Of Novi Sad - Technical Faculty "Mihajlo Pupin", Zrenjanin, 2012.
17. **Vujadinović R.:** "Contemporary vehicle maintenance for the sustainable development of road transport ", KODIP 2014, Budva, 2014
18. **Vujadinović, R. (2015) Activities of the Administration of Montenegro's Capital City, Podgorica, for Energy More Efficient Road Traffic**, 17th Symposium on Thermal Science and Engineering of Serbia "Energy – Ecology – Efficiency" SIMTERM 2015, Sokobanja: 1089-1099, ISBN 978-86-6055-076-9
19. **Vujadinović, R., Petrovic, S. (2015) Use of models for the calculation of CO2 emissions for passenger cars in Montenegro**, 17th Symposium on Thermal Science and Engineering of Serbia "Energy – Ecology – Efficiency" SIMTERM 2015, Sokobanja: 1100-1114, ISBN 978-86-6055-076-9
20. **Vujadinović, R., Karadžić, U. (2015) Education of local governments as a way towards sustainable development of the countries of the Western Balkans - Case Study of Montenegro**", International Conference on Sustainable Development – ICSD2015, Belgrade:145-152, ISBN 978-605-66262-0-3

Co-author:

1. Nikolic B., Nikolic D., Pajkovic V., Simovic S., **Vujadinovic R.** "Influence Of Vehicles On Air Pollution In Montenegro", International conference IPS (Power source and transfer), Bečići, Montenegro, 1999.
2. Nikolic D., Nikolic B., Pajkovic V., Simovic S., **Vujadinovic R.** "Analysis Of Some Ships Diesel Engine Thermodynamical Parameters" International conference IPS (Power source and transfer), Bečići, Montenegro, 1999.
3. Pajkovic V., Nikolic B., Nikolic D., Simovic S., **Vujadinovic R.** "Experimental Analysis Of Turbulent Flow In The Engine Cylinder" International conference IPS (Power source and transfer), Bečići, Montenegro, 1999.
4. Nikolic B., Nikolic D., **Vujadinovic R.**, Pajkovic V. and Gomilanovic M. "Exhaust Emission From Vehicles in Montenegro", FISITA 2002, Helsinki, Finland, 2002.
5. Dobovisek Z., Samec N., Kokalj F., **Vujadinović R.:** **Statistic Reliability Of Road Vehicle CO₂ Emission Prediction**, VKM-THD TU Graz, Graz, 2005
6. Dobovisek Z., **Vujadinović R.**, Samec N., Kokalj F.: "Energy Consumption of Passenger Car Fleet in the Light of Motorization Growth", POWER ENGINEERING 2006, Maribor, 2006.

7. D. Nikolic, **R. Vujadinovic** "Fuel Quality Monitoring System ", QME International Conference, Budva, Montenegro, 2007.
8. D. Nikolic. **R. Vujadinovic**, "Worldwide Trend of Alternative Fuels and Vehicles", SIMTERM 2007, Soko Banja, Serbia, 2007
9. D. Nikolic. **R. Vujadinovic**, "Today's Motor Fuels And Exhaust Emission", 1st Symposium of Chemistry and Environment, Budva, Montenegro, 2007
10. Dobovisek Z., **Vujadinović R.**, Pogorevc P.: "Indicators CO2 emissions Slovenian car fleet", Inovativna avtomobilska tehnologija – IAT '07, Rogla, Slovenia, 2007.
11. Dukic Z. **Vujadinović R.:** "Maintenance Of Motor Vehicles As Part Of Sustainable Development Of Transport System", KOD 2010, Ulcinj, Montenegro, 2010.
12. Karadzic U., Boskovic Lj., **Vujadinović R.**, "Assessment of the possibility of hydro energy use of small streams", Renewable Energy Sources and Energy Efficiency, MONTENEGRO ACADEMY OF SCIENCES AND ARTS, Budva, october 2011.
13. Brakocevic S., **Vujadinovic R.**, "Assessment of the influence maintenance interventions on the energy efficiency of the vehicle fleet", KODIP 2012, Budva, 2012
14. Kovijanic V., Karadzic U., **Vujadinovic R.** "Assessment of possibility for hydro energetic utilization of small water streams", Hydroenergia 2012, Wroclaw, Poland, 23-26 May 2012.
15. Brakocevic S., **Vujadinovic R.**, "Example of improving energy efficiency of vehicle fleet using low budgetary measures", *MVM2012*, Kragujevac, Serbia, october 2012.
16. Bošković, Lj., Stanojević, M., Drašković, I., Karadžić, U., **Vujadinović, R.**, (2015), Experience in the process of developing the idea, design and realization of SHPP "Vrelo", *IV CG KO CIGRE, Institute Dr Simo Milošević, 11.-14.05.2015., Herceg Novi*, <http://cigre.me/page.php?id=189>
17. Kordas, O., Pasichnyi, O., Pereverza, K., Mulder, K., Segalas, J., Tejedor, G., Ivezic, D., Živkovic, M., Babic, M., Koncalovic, D., Gvero, P., Vaskovic, S., **Vujadinovic, R.**, Nikiforovich, E. (2016) **Building capacities for sustainable energy in municipalities of Western Balkans**. A: Engineering Education for Sustainable Development. EESD2016: 8th Conference on Engineering Education for Sustainable Development: Brugues, Belgium: 4-7 September: 81-88. ISBN: 978-90-903-0131-0
18. Balic, S., **Vujadinovic, R.** (2017) **State and perspectives application of bioethanol in Montenegro as fuels for sustainable transport**, International Conference on Sustainable Development – ICSD2017, Sarajevo, 19-23 april 2017
19. Radonjić N., Perišić V., Karadžić U., **Vujadinović R.**, Analiza isplativosti ulaganja u obnovljive izvore energije, *V CG KO CIGRE*, Bečići 09-12.05.2017, RCI-04, <http://cigre.me/page.php?id=221>
20. Rakočević S., Mićanović M., Bošković Lj., Karadžić U., **Vujadinović R.**, Criteria for selecting the installed flow in small hydroelectric power plants, *V CG KO CIGRE*, Bečići 09-12.05.2017, RB3-03, <http://cigre.me/page.php?id=218>
21. Nikčević P., **Vujadinović R.**, *Periodic and aperiodic maintenance of hydraulic power steering system of the vehicles, XIV International Conference on Maintenance and Production Engineering - KODIP 2017, Budva, 14-17.06.2017, str. 209-216*

Review papers in journals

1. A paper submitted to the *Journal Thermal Science*, control number ThSci 2011-126 ISSN 0354-9836 (nalazi se u SCIE) <http://thermalscience.vinca.rs/reviewers-2011-4>
2. A paper submitted to the *Journal Thermal Science*, control number ThSci 2012-310 ISSN 0354-9836
3. A paper submitted to the *Journal Thermal Science*, control number ThSci 2016-324 ISSN 0354-9836
4. A paper submitted to the *Journal Thermal Science*, control number ThSci 2017-296 ISSN 0354-9836
5. A paper submitted to the *Journal Thermal Science*, control number ThSci 2017-335 ISSN 0354-9836
6. A paper submitted to the **Journal Renewable& Sustainable Energy Reviews**, Manuscript number RSER-D-17-03052 ISSN 1364-0321
7. A paper submitted to the *Journal Thermal Science*, control number ThSci 2018-148 ISSN 0354-9836
8. A paper submitted to the **Journal Renewable& Sustainable Energy Reviews**, Manuscript number RSER-D-18-00250 ISSN 1364-0321
9. A paper submitted to the *Journal Thermal Science*, control number ThSci 2018.S6.13 ISSN 0354-9836
10. A paper submitted to the *Journal of Machine Engineering*, control number JME 2017_40 ISSN 1895-7595 (Print), 2391-8071 (Online)
11. A paper submitted to the **Journal Renewable& Sustainable Energy Reviews**, Manuscript number RSER-D-18-01825 ISSN 1364-0321

Unpublished invited conference lecture:

1. **“Transport Research Capabilities of Montenegro”**-TransNEW-Research Capabilities and Potentials Workshop (FP7 project TransNEW), *Faculty of Mechanical Engineering, University of Belgrade, 27. may 2011*
2. **“Energy efficiency trends in transport sector in the EU”**- *Faculty for Mechanical Engineering, University of Maribor, Maribor, 30. october 2011*
3. **“Sustainable and low-carbon transportation in Montenegro”**, The UNECE ForFITS model - Capacity Building Workshop in Montenegro, 19-20 November 2013 - City hotel, Crnogorskih serdara br.5, Podgorica, Montenegro, https://www.unece.org/fileadmin/DAM/trans/doc/themes/ForFITS/Sustainable%20and%20low-carbon%20transportation_R_Vujadinovic.pdf
4. **“TEMPUS PROJEKAT-SD TRAIN”**, Energetski dani Podgorice, 07.05.2014 – KIC Budo Tomović, Organizator: Sekretarijat za planiranje i uređenje prostora i zaštitu životne sredine Glavnog Grada, Podgorica, 2014 godina <http://www.sdtrain.info/web/page.aspx?refid=42&newsid=147471&page=1>
5. **“Sustainable urban mobility as a precondition for sustainable development of the main city of Podgorica”** V Energy Days of Podgorica, EU Info Center, Organizer: Secretariat for Planning and Spatial Planning and Environmental Protection of the Main City, Podgorica, April 26, 2018 <https://mladiinfo.me/mm-na-konferenciji-povodom-manifestacije-energetske-efikasnosti/>
6. **“Carbon Neutral Transport”**- Youth Scientific Forum, Organizer: PRONA., Faculty of Mechanical Engineering, 8-9.11.2018

PROJECTS:

1. „Investigations of the stress state in characteristics intersection of penstock C3 in Perućica HPP“, INVESTOR: EPCG, Faculty of Mechanical Engineering, Podgorica, 2007-2008 (member of working team)
2. „Sanation of dilation T-8 on pipe line number 3 in hydro-power plant "Perućica" – prefabricated section 804, INVESTOR: EPCG, Faculty of Mechanical Engineering, Podgorica, 2007-2008 (member of working team)
3. **National expert in Climate Change – in Transport sector of GHG Abatement Measures for Montenegro's Initial National Communication (INC) (UNDP-GEF) (Special Service Agreement No. 2009-117), 2009-2010 godina.**
4. **National expert in WBC-INCO.NET (Report on the state of research in the transport sector in Montenegro (co-author)-Transport sector research environment in Montenegro, the WBC-INCO.NET [http://www.wbc-inco.net/attach/1Nationalbackgroundreporton Transport forMontenegro1.pdf](http://www.wbc-inco.net/attach/1Nationalbackgroundreporton%20Transport%20forMontenegro1.pdf)) (2009)**
5. European Transport NCP Alliance (ETNA)-FP7 project. The project aims to improve the coordination between national contact person (NCPs) in the transport sector ([http://www.transport-ncps.net/index.php?option=com_content & view = article & id = 62 & Itemid = 195](http://www.transport-ncps.net/index.php?option=com_content&view=article&id=62&Itemid=195))
6. **MONTENEGRO IN THE XXI CENTURY IN THE ERA OF COMPETITIVENESS-Part/Energy (6-3, 6-3a), MONTENEGRO ACADEMY OF SCIENCES AND ARTS, Podgorica, 2010. (National expert)**
7. **Coordinator for the University of Montenegro TEMPUS project „Training courses for public services in sustainable infrastructure development in Western Balkans-SDTRAIN“ 530530-TEMPUS-1-2012-1-SE-TEMPUS-JPHES, 2012-2014**
8. **The cadastre of water streams where it is possible to build small hydropower plants in 13 municipalities in Montenegro, Consortium: Vodni Zdroje, Hydroproject, Blom-Czech Republik, SYSTEM Ltd, Client Ministry of Economy (EBRD), Podgorica 2011-2012 (National expert)**
9. **Low Carbon Development Expert in Project “Toward Carbon Neutral Tourism“, UNDP Montenegro, IC N° 2013/033, april 2013. (National expert)**
10. **UNDA Project-For Future Inland Transport Systems - The UNECE ForFITS Model; Final report: *The analysis of transport activity, energy use and CO₂ emissions from transport in Montenegro*, Contract number: 42667 (25.11.2013.), UNECE, November2013/March 2014. (National expert)**
11. **Study on utilization possibilities of renewable energy sources for Kotor-Cetinje cable car power supply, SISTEM-MNE d.o.o.. Funding: UNDP Montenegro, Contract No. 016/00079633/15, Podgorica, 2015 godina (Key expert)**
12. **“REady for BUSiness Integrating and validating practical entrepreneurship skills in engineering and ICT studies”-REBUS. ERASMUS+ PROGRAMME (No. 573664-EPP-1-2016-1-BA-EPPKA2-CBHE-JP)–2016-2019. (Associate)**
13. **”Technical Assistance to the Single Project Pipeline (SPP) revision process and GAP analysis” BENEf 2013 - EUROPEAID/132633/C/SER/Multi LOT 2: Transport & InfrastructuresSpecific Contract: 2017/385024, TIEG, 2017 (Key expert)**

OTHER PROFESSIONAL ACTIVITY

1. Measurement traffic intensity in center of Podgorica (MCC–manual classified counts), Faculty of Mechanical Engineering in Podgorica, 1999
2. Member of the expert team at work Testing retrofitted vehicle, Faculty of Mechanical Engineering in Podgorica, 1999
3. Member of the professional team at work Control devices and equipment on the lines of technical inspection of motor vehicles, Faculty of Mechanical Engineering in Podgorica, 1999-2007 and 2012 –
4. Member of the expert team at work Operator training devices on the lines of technical inspection of motor vehicles, Faculty of Mechanical Engineering in Podgorica, 1999-2007 and 2012 –
5. Member of the expert team at work Testing vehicles according to ADR regulations, Faculty of Mechanical Engineering in Podgorica, 1999-
6. Member of the expert team at work Checks the correctness of the approval of new vehicles and parts of vehicles at import, Faculty of Mechanical Engineering in Podgorica, 1999-2007
7. Measurement traffic intensity at road Podgorica-Kolašin (MCC–manual classified counts) (2003)
8. Organizing Secretary of the International Conference of the Automobile and Ecology, Montenegrin Association For Engines And Vehicles, Ulcinj, 2003
9. Member of the Organizing Committee of the International Conference of the Automobile and Aluminium, Montenegrin Association For Engines And Vehicles, Ulcinj, 2003
10. Member of the Commission of the Ministry of Education of Montenegro for the driving test, (22 driving schools in the municipalities of Herceg Novi, Kotor, Berane, Plav Kolasin and Podgorica) 2003 -.
11. Check homologation correctness vehicles toward import in Montenegro, Faculty for Mechanical Engineering (2004-2008)
12. Montenegro NCP (National Contact Point) for Transport area in FP7 (2006-2014) (<http://www.mneresearch.ac.me/cg/strana.php?id=1>)
13. Study of assessment environmental ascendant for part of road Risan-Žabljak (Dragalj polje – Grahovo – Zakurljaj – Osječnica – Vilusi) – ongoing exploitation (2009)
14. Working on the relevant software's like COPERT IV (CORINAIR methodology) and LEAP ((Long-range Energy Alternatives Planing) IPCC methodology (2004-)
15. „Idea solutions for small hydropower plants (SHPP) on Komaraca river”,SISTEM Ltd, April 2010, (member of working team)
16. „Hydropotential analysis of Komaraca river, SISTEM Ltd, April 2010, (member of working team)
17. „Idea solutions for small hydropower plants (SHPP) on Djuricka river”,SISTEM Ltd, April 2010, (member of working team)
18. „Hydropotential analysis of Djuricka river”, SISTEM Ltd, April 2010, (member of working team)
19. ”Preliminary assessment of possibility for hydro energetic utilization of Meho water stream”, SISTEM Ltd, May 2010, (member of working team)

20. "Preliminary assessment of possibility for hydro energetic utilization of Skrbusa river", SISTEM Ltd, July 2010, (member of working team)
21. Expertise on the cause of damage and the amount of damage MerCruiser boat BIG SISTERS 4841 brand FORMULA 280 BR (Bow Rider), (manager), Client: Basic Court in Kotor, Podgorica, Faculty of Mechanical Engineering, 2010
22. Consultant of the Unit for the Energy Efficiency of the Ministry of Economy - Action Plan for Energy Efficiency for the period 2010-2012 (transport sector), Podgorica, 2010
23. "Preliminary assessment of hydro potential utilization of some rivers from Šavnik municipality", SISTEM Ltd, November 2010, (member of working team)
24. "Preliminary assessment of hydro potential utilization of some rivers from Plav municipality", SISTEM Ltd November 2010, (member of working team)
25. "Preliminary assessment of hydro potential utilization of some rivers from Bijelo Polje municipality", SISTEM Ltd, November 2010, (member of working team)
26. "Preliminary assessment of hydro potential utilization of some rivers from Kolašin municipality", SISTEM Ltd, November 2010, (member of working team)
27. "Technical solution for exhaust system from diesel engine" Telenor doo, Podgorica, February 2011, (member of working team)
28. "Preliminary assessment for possibility of hydro energetic utilization of river Vrelo, Investor: Synergy doo, Podgorica, March 2011, (member of working team)
29. "Idea solution with pre-feasibility study for small hydropower plant (SHPP) on river Vrelo", Investor: Synergy doo, Podgorica, April 2011, (member of working team)
30. Vice President of the Managing Board of the Association of Appraisers of Montenegro, 2011-
31. "Environmental impact assessment of Grlja SHPP, Investor: ECG Ltd, 2011 (member of working team)
32. „The main design for small hydropower plant (SHPP) GRLJA“, Investor: ECG Ltd, 2011 (member of working team)
33. „The main design for small hydropower plant (SHPP) JARA“, Investor: KRONOR Ltd, 2012, (member of working team)
34. "Environmental impact assessment of Jara SHPP, Investor: KRONOR Ltd, 2011 (member of working team)
35. "Expert opinion on the intended use of gas oil in dairy LAZINE"-Investor: ŠIMŠIĆ MONTMILK doo-Danilovgrad, Processor: Faculty for Mechanical Engineering, 2012.
36. "Expert opinion on the intended use of gas oil in dairy SRNA"-Investor: Šljukić Co-Nikšić, Processor: Faculty for Mechanical Engineering, 2012.
37. „The main design for small hydropower plant (SHPP) VRELO“, Investor: SYNERGY Ltd, 2012, (member of working team)
38. Member of the Sectoral Committee on Transport and Communications, Ministry of Education and Sports, 2012-.
39. Member of the Technical Committee for Energy ITK-6 Institute for Standardization, 2012-
40. „The main design for small hydropower plant (SHPP) RAŠTAK“, Investor: KOL ENERGY Ltd, Contractor: SISTEM-MNE Ltd.2013 (member of working team)

41. „The main design for small hydropower plant (SHPP) BABINO POLJE“, Investor: KRONOR Ltd, Contractor: SISTEM-MNE Ltd.2013 (member of working team)
42. The author of the “Expert opinion on the intended use of gas oil in bakery UNIPROM”- Investor: UNIPROM BAKERY doo-Niksic, Contractor: Faculty for Mechanical Engineering, March 2013
43. “Environmental impact assessment of Babinopolje SHPP, Investor: KRONOR Ltd, Contractor: SISTEM-MNE Ltd., 2013 (member of working team)
44. The main design for small hydropower plant (SHPP) METEH“, Investor: KRONOR Ltd, Contractor: SISTEM-MNE Ltd.,2013 (member of working team)
45. Development of Conceptual Design for reconstruction of water supply system and construction of Small Hydropower plant on Krkori water source in Municipality of Andrijevica (Montenegro)-Under construction, Investor: UNDP, Contractor: SISTEM-MNE Ltd., 2013 (member of working team)
46. The preliminary project of the wind power plant WP Mozura 46 MW, Investor: FERSA MONTENEGRO Ltd, Contractor: SISTEM-MNE Ltd.,2014 (member of working team)
47. The main design for small hydropower plant (SHPP) “RASTAK“, Investor: KOL ENERGY Ltd, Contractor: SISTEM-MNE Ltd.,2014 (member of working team)
48. The main design for small hydropower plant (SHPP) METEH“, Investor: MOŽURA WIND PARK Ltd, Contractor: SISTEM-MNE Ltd.,2016 (member of working team)
49. Member of the Working Group for Amending and Supplementing the Law on Working Time and Breaks during working hours of mobile workers and devices for recording in road traffic, according to the Decision of the Ministry of Transport and Maritime Affairs no. 340 / 17-05-745 / 1 from 10.02.2017. years
50. A member of the Working Group for preparing the basis of exam questions for the theoretical examination of the candidate for drivers, according to the Decision of the Ministry of Education no. 023-1637 / 2016-9 from 24.03.2017

Study visit

1. Project CEI HYDROMONTENEGRO - Czech Republic, 24-28 oktober 2010 (http://www.oie-cg.me/srp/Novosti_details.asp?offset=20&ysID=73),
2. Project SDTRAIN – TU Delft- Netherlands, 25.02-02.03.2013 (<http://www.sdtrain.info>),
3. Project SDTRAIN – KTH-Sweden, 12.05-17.05.2013 (<http://www.sdtrain.info>),
4. Project SDTRAIN – UPC Barcelona-Spain, 07.10.-11.10.2013, (<http://www.sdtrain.info>),
5. Project of Ministry of science-JRC Petten, Petten/Bergen, Holandija, 21.10.-23.10.2013

Supervisor for Undergraduate Theses

1. Matijasevic Marina: *Energy efficiency in road transport*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2008
2. Čalasan Ana: *Road Transport and Climate Change*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2008
3. Đorojević Vuko: *Alternative fuels for road vehicles in the XXI century*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2008

4. Stojović Dejan: *Application of LPG as fuel for motor vehicles*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2008
5. Bukilica Petar: *System for supplying marine engine with fuel*, Graduate work, Faculty of Maritime Studies, Kotor, 2008
6. Veselin Vujovic: *Changes to labor and matters in a four stroke diesel engine*, Graduate work, Faculty of Maritime Studies, Kotor, 2008
7. Grgurović Igor: *Hydrogen as fuel for motor vehicles*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2009
8. Bojičić Tamara: *Compressed natural gas (CNG) as fuel for road vehicles*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2009
9. Grgurović Lenka: *Biofuels as a fuel for motor vehicles*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2009
10. Grgurović Lenka: *Biofuels as a fuel for motor vehicles*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2009
11. Rašković Radoje: *Directions drivetrain development of road vehicles*, Graduate work, Faculty of Mechanical Engineering Podgorica, 2009
12. Curcic Milan: *Hybrid Vehicles*, Graduate work, Faculty of Mechanical Engineering Podgorica, 2009
13. Vucic Malisa, *OBD systems and diagnosis of malfunction vehicle*, Graduate work, Faculty of Mechanical Engineering Podgorica, 2009
14. Djurdjic Milos, *Application of the Common Rail system in some car manufacturers*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2010
15. Rašković Vesko: *Legislation in the exhaust emissions of motor vehicles*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2010
16. Babović Vukadin: *Measures to improve energy efficiency in road transport*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2010
17. Nenezic Milan: *Quality control system for liquid fuels*, Graduate work, Faculty of Mechanical Engineering, Podgorica, 2010
18. Radovic Dimitrije, *Impact of the maintenance on energy efficiency of motor vehicles*, Graduate work, Faculty of Mechanical Engineering, Podgorica, 2011
19. Krivokapić Ilija, *Eco Driving*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2011
20. Đikanović Radovan, *Analysis of energy efficiency of the fleet of JSC "Mechanization and programat"-Niksic*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2011
21. Jakic Bojan, *Electric Vehicles*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2012
22. Bataković Mirjana, *Influence of vehicle weight on fuel consumption*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2012
23. Gačević Žana, *Production of biodiesel from waste cooking oil*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2013
24. Ramović Mehmed, *Possibilities of production and use of biodiesel in Montenegro*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2013.

25. Rabrenović Tanja, *The role and importance of motor oil for vehicle maintenance*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2013,
26. Đurišić Slaven, *Modern tires of motor vehicles*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2013
27. Bijelović Krsto, *The noise in road traffic*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2013.
28. Kostić Boris, *GPS system and its use in road vehicles*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2014.
29. Balić Sanel, *Application of hybrid vehicles in Montenegro*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2014.
30. Stojanović Marko, *The infrastructure for charging electric vehicles*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2014.
31. Džaković Milovan, *Modern infrastructure solutions for reducing traffic noise*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2015.
32. Vojinović Obrad, *Comparative analysis of the use of vehicles with petrol and diesel engines*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2015.
33. Jovanović Marko, *Održavanje spojnice sistema za prenos snage motornog vozila*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2015.
34. Bubanja Siniša, *Safety belts as elements of passive traffic safety*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2016
35. Grujičić Novica, *Braking systems for vehicles of category M1 and N1*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2016
36. Nikčević Petar, *Braking systems for vehicles of categories M2, M3, N2, N3 and O*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2016
37. Jocović Branko, *Airbags as elements of passive traffic safety*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2017
38. Pešić Miodrag, *Maintaining the vehicle suspension system*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2017
39. Milić Predrag, *Injection systems for diesel engines*, Specialist work, Faculty of Mechanical Engineering, Podgorica, 2017
40. Brnović Boris, *Analysis of the process of safe vehicle overtaking*, Specialist work, Faculty of Mechanical Engineering, Podgorica, Date of defense 19.07.2017.
41. Hasani Damir, *The energy efficiency of the vehicle when driving on the highway*, Specialist work, Faculty of Mechanical Engineering, Podgorica, Date of defense 01.09.2017.
42. Bobičić Ognjen, *Road Traffic Safety Management System in Montenegro*, Specialist work, Faculty of Mechanical Engineering, Podgorica, Date of defense 07.11.2017.
43. Bogavac Dejan, *Sustainable Urban Mobility Plans*, Specialist work, Faculty of Mechanical Engineering, Podgorica, Date of defense 12.09.2018.

Supervisor for master degree theses

1. Aleksandar Jankovic, *Systematic approach to the implementation of the digital tachograph as measures to raise the level of safety of traffic in Montenegro*, MSc Thesis, Faculty of Mechanical Engineering Podgorica, 2010
2. Brakočević Sasa, *Improving the energy efficiency of the vehicle fleet MFI "AgroInvest" - Berane*, MSc Thesis, Faculty of Mechanical Engineering Podgorica, 2012

3. Koković Ljubiša, *Analysis of the significance of the application of ABS braking system in vehicles for traffic safety*, MSc Thesis, Faculty of Mechanical Engineering, Podgorica, Date of defense 11/04/2016.
4. Ivanišević Tijana, *Analysis of the distance of the pedestrian crossing in a collision with a vehicle, depending on the shape of the body*, MSc Thesis, Faculty of Mechanical Engineering, Podgorica, Date of defense 11/9/2017.
5. Hamzić Alija, *Preventive measures for the improvement of traffic safety in the school zone, with a special focus on the primary school "Vuk Karadžić" in Podgorica*, MSc Thesis, Faculty of Mechanical Engineering, Podgorica, Date of defense 18.07.2018.