

UNIVERZITET CRNE GORE
MAŠINSKI FAKULTET PODGORICA
Broj: 3020
Podgorica, 10.12.2019.godine

UNIVERZITET CRNE GORE
CENTAR ZA DOKTORSKE STUDIJE

OVDJE

PREDMET: Imenovanje mentora

U prilogu vam dostavljamo Predlog odluke da se prof. dr Uroš Karadžić, vanredni profesor Mašinskog fakulteta predlaže za mentora studentu doktorskih studija mr Vuku Kovijaniću.

S poštovanjem,



DEKAN,

Prof. dr Igor Vušanović

UNIVERZITET CRNE GORE
MAŠINSKI FAKULTET PODGORICA

Broj: 3019

Podgorica, 10.12.2019.godine

Na osnovu člana 64. Statuta Univerziteta Crne Gore i člana 29. Pravila doktorskih studija a po predlogu Komisije za doktorske studije broj 2900 od 26.11.2019.godine Vijeće Mašinskog fakulteta na sjednici održanoj 6.12.2019.godine donijelo je Predlog

ODLUKE
o imenovanju mentora

I Predlaže se prof. dr Uroš Karadžić, vanredni profesor Mašinskog fakulteta za mentora studentu doktorskih studija mr Vuku Kovijaniću.

II Predlog uputiti Centru za doktorske studije Univerziteta Crne Gore na dalju proceduru.

Obrazloženje

Kandidat mr Vuko Kovijanić, student doktorskih studija podnio je Komisiji za doktorske studije Mašinskog fakulteta zahtjev za imenovanje mentora sa pratećom dokumentacijom.

Komisija za doktorske studije je razmatrala zahtjev i dostavila Vijeću Mašinskog fakulteta predlog broj 2900 od 26.11.2019.godine.

Vijeće je odlučilo kao u dispozitivu ove Odluke.



DEKAN,

Prof. dr Igor Vušanović

VUKO KOVIJANIĆ

UNIVERZITET CRNE GORE
MAŠINSKI FAKULTET PODGORICA
Bulevar Džordža Vašingtona bb,
81000 Podgorica,
Crna Gora



Podgorica, 20.11.2019. godine

Predmet: *Dopis u cilju određivanja mentora – doktorske studije*

Shodno Pravilima doktorskih studija (član 29) i Vodiču za doktorske studije (tacka 3.3), obraćam vam se ovim dopisom u cilju određivanja mentora, tj. Postupka koji sprovodi Senat UCG (na predlog Vijeća MF i Centra za doktorske studije) prilikom upisa u II semestar doktorskih studija.

U prilogu ovog dopisa možete pronaći neophodnu prateću dokumentaciju.

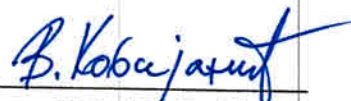
Prilog:

- Obrazac M;
- Odluka o izboru u zvanja – prof. dr Uroš Karadžić;
- Bibliografija – prof. dr Uroš Karadžić;
- Biografija – prof. dr Uroš Karadžić;
- Curriculum Vitae – prof. dr Uroš Karadžić.

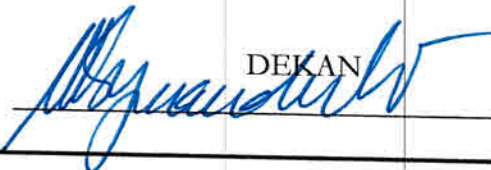
S poštovanjem,
Vuko Kovijanić MSc ME

Tel: +382 67 610 650
e-mail: vuko.kovijanic@ee-me.org
adresa: Gavra Vukovića bb, 81000 Podgorica, Crna Gora

U Podgorici, 20.11.2019. god.


Vuko Kovijanić

MENTORSTVO

PREDLOŽENI MENTOR/I				
	Titula, ime i prezime	Ustanova i država	Naučna oblast	
Prvi mentor	Prof. dr Uroš Karadžić	Univerzitet Crne Gore, Crna Gora	Termo i energetika	hidro
Drugi mentor				
Sjednica Vijeća organizacione jedinice na kojoj je izvršeno predlaganje mentora				
KOMPETENCIJE MENTORA (pet objavljenih radova u relevantnim časopisima)				
Prvi mentor	1	Karadžić U., Bergant A., Starinac D., Božović B. (2019). Water hammer investigation of the shut-down of a high-head hydropower plant at very high Reynolds number flows. <i>Strojniški Vestnik-Journal of Mechanical Engineering</i> , Vol.65(7-8), pp 430-440. ISSN 0039-2480		
	2	Karadžić U., Janković M., Strunjaš F., Bergant A. (2018). Water hammer and column separation induced by simultaneous and delayed closure of two valves. <i>Strojniški Vestnik-Journal of Mechanical Engineering</i> , Vol.64(9), pp 525-535. ISSN 0039-2480		
	3	Vujadinović R., Tombarević E., Karadžić U. (2017). Valorization of potentials of wind energy in Montenegro. <i>Thermal Science</i> , Vol.21(5), pp 1893-1903. ISSN 0354-9836		
	4	Karadžić U., Bulatović V., Bergant A. (2014). Valve induced water hammer and column separation in pipeline apparatus. <i>Strojniški Vestnik-Journal of Mechanical Engineering</i> , 60(11), 742-754, ISSN 0039-2480		
	5	Karadžić U., Kovijanić V., Vujadinović R. (2014). Possibility for hydro energetic utilization of relatively researched water streams. <i>Water Resources</i> , 41(6), 774-781. ISSN 0097-8078		
Drugi mentor	1			
	2			
	3			
	4			
	5			
PODACI O MAGISTRANTIMA I DOKTORANTIMA				
	Broj magistranada		Broj doktoranada	
	trenutno	ukupno	trenutno	ukupno
Prvi mentor	0	9	1	1
Drugi mentor				
Datum i ovjera (pečat i potpis odgovorne osobe)				
U Podgorici, 19.11.2019.				
		  DEKAN		



Број: 08-230
Датум, 29.01.2015 г.

Ref: _____
Date, _____

Na osnovu člana 72 stav 2 Zakona o visokom obrazovanju (Službeni list Crne Gore br. 44/14) i člana 18 stav 1 tačka 3 Statuta Univerziteta Crne Gore, Senat Univerziteta Crne Gore, na sjednici održanoj 29. januara 2015. godine, donio je

O D L U K U
O IZBORU U ZVANJE

Dr UROŠ KARADŽIĆ bira se u akademsko zvanje **vanredni profesor Univerziteta Crne Gore** za predmete: Pumpe, ventilatori i turbokompresori, Turbine, Projektovanje energetskih postrojenja i Hidroelektrane, na Mašinskom fakultetu, na period od 5 godina.



REKTOR

Prof. Radmila Vojvodić

Bibliografija najznačajnijih objavljenih naučnih radova – Uroš Karadžić

1. **Karadžić U.**, Bergant A., Starinac D., Božović B. (2019). Water hammer investigation of the shut-down of a high-head hydropower plant at very high Reynolds number flows. *Strojniški Vestnik-Journal of Mechanical Engineering*, 65(7-8), 430-440. DOI:10.5545/sv-jme.2019.6092
2. Brđanin R., **Karadžić U.**, Bergant A., Ilić J. (2019). Recent developments in unsteady pipe flow experimentation at the University of Montenegro. *8th IAHR Meeting of the Workgroup on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems*, Stuttgart, Germany, October 09-11.
3. Brđanin R., Ilić J., **Karadžić U.**, Bergant A. (2019). Experimental water hammer setup at University of Montenegro – description and possibilities. *DEMI 2019 - 14th International Conference on Accomplishments in Mechanical and Industrial Engineering*, Banja Luka, Republic of Srpska, BiH, 24-25 May, pp 195-200.
4. Vilotijević V., **Karadžić U.**, Božić I., Ilić J. (2019). Design discharge determination for SHPPs with capacity below 1 MW. *DEMI 2019 - 14th International Conference on Accomplishments in Mechanical and Industrial Engineering*, Banja Luka, Republic of Srpska, BiH, 24-25 May, pp 297-302.
5. Ilić J., Božić I., **Karadžić U.**, Brđanin R. (2019). Comparative analysis of the hydro power plant transient processes for various surge tank types and improved guide vanes closing law. *DEMI 2019 - 14th International Conference on Accomplishments in Mechanical and Industrial Engineering*, Banja Luka, Republic of Srpska, BiH, 24-25 May, pp 215-222.
6. **Karadžić U.**, Janković M., Strunjaš F., Bergant A. (2018). Water hammer and column separation induced by simultaneous and delayed closure of two valves. *Strojniški Vestnik-Journal of Mechanical Engineering*, 64(9), 525-535. DOI:10.5545/sv-jme.2017.4993
7. Bergant A., Tijsseling A. Kim Y., **Karadžić U.**, Zhou L., Lambert M.F., Simpson A.R. (2018). Unsteady pressures influenced by trapped air pockets in water-filled pipelines. *Strojniški Vestnik-Journal of Mechanical Engineering*, 64(9), 501-512. DOI:10.5545/sv-jme.2018.5238
8. **Karadžić U.**, Bergant A. (2018). Experimental investigations of pipeline filling and emptying in a small scale apparatus. *JET Journal of Energy Technology*, Vol.11, Issue 2, pp 11-22, ISSN 1855-5748.
9. Bergant A., Mazij J., **Karadžić U.** (2018). Design of water hammer control strategies in hydropower plants. *Applied engineering letters*, Vol.3, No.1, pp 27-33, e-ISSN 2466-4847, <https://doi.org/10.18485/aletters.2018.3.1.5>.
10. **Karadžić U.**, Iliev V., Bergant A. (2018). Fluid structure interaction effects in small-scale pipeline apparatus. *International Conference Energy and Ecology Industry*. Belgrade, Serbia, 10-13 October.
11. Vilotijević V., **Karadžić U.**, Vušanović I. (2018). Determination of the degree of installed flow in small hydropower plants. *International Conference Energy and Ecology Industry*. Belgrade, Serbia, 10-13 October.
12. Bergant A., **Karadžić U.**, Tijsseling A. (2017). Developments in multiple-valve pipeline column separation control. *IOP Conf. Series: Journal of Physics: Conf. Series*, 813, doi:10.1088/1742-6596/813/1/012015.
13. Vujadinović R., Tombarević E., **Karadžić U.** (2017). Valorization of potentials of wind energy in Montenegro. *Thermal Science*, 21(5), 1893-1903. doi:10.2298/TSCI161201016V.
14. Vuković D., **Vilotijević V.**, **Karadžić U.** (2017). Hydraulic transients calculations on Komarnica HPP. *3th International Conference on Accomplishments in Mechanical and Industrial Engineering*, Banja Luka, Republic of Srpska, BiH, 26-27 May.
15. Bergant A., **Karadžić U.**, Tijsseling A. (2016). Dynamic water behavior due to one trapped air

pocket in a laboratory pipeline apparatus. IOP Conf. Series: Earth and Environmental Science, Vol.49, doi:10.1088/1755-1315/49/5/052007.

16. Bergant A., **Karadžić U.** (2015). Numerical and experimental investigations of transient cavitating pipe flow. JET Journal of Energy Technology, Vol.8, Issue 2, pp 31-42.
17. Bergant A., **Karadžić U.** (2015). Developments in valve-induced water hammer experimentation in a small-scale pipeline apparatus. *12th International Conference on Pressure Surges*, BHR Group, Dublin, Ireland, 18-20 November.
18. **Karadžić U.**, Bergant A., Mavrič R., Strunjaš F., Bucsktein S. (2015). Developments in pipeline filling and emptying experimentation in a laboratory pipeline apparatus, 6th IAHR International Meeting of the Workgroup on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems, September 9-11, 2015, Ljubljana, Slovenia.
19. **Karadžić U.**, Bulatović V., Bergant A. (2014). Valve induced water hammer and column separation in pipeline apparatus. *Strojniški Vestnik-Journal of Mechanical Engineering*, 60(11), 742-754
20. **Karadžić U.**, Kovijanić V., Vujadinović R. (2014) Possibility for hydroenergetic utilization of relatively researched water streams, *Water Resources*, Volume 41, Issue 6, pp. 774-781.

Biografija

Prof. dr Uroš Karadžić, dipl.inž.maš., rođen je 08.05.1974. godine u Šavniku, Crna Gora. Osnovnu školu je završio u Šavniku, a srednju mašinsko-tehničku školu u Nikšiću 1992. godine. Godine 1992/1993. upisuje se na Mašinski fakultet u Podgorici. Zvanje Diplomiranog mašinskog inženjera je stekao decembra 1999. godine braneći diplomski rad pod nazivom: **"Proračun kanalske mreže za razvod vazduha u sistemima klimatizacije primjenom računara"**, na Katedri za energetiku. Februara 2000. godine upisuje se na postdiplomske studije na Mašinskom fakultetu u Podgorici - Smjer energetika gdje je položio sve ispite sa prosječnom ocjenom 9,50. Zvanje magistra tehničkih nauka je stekao oktobra 2004. godine braneći magistarski rad pod nazivom: **"Analiza fenomena prelaznih procesa u hidrauličkim sistemima"**. Doktorsku disertaciju pod nazivom **"Modeliranje kompleksnih graničnih uslova za prelazne procese u hidrauličkim sistemima"** je odbranio 20.11.2008. godine na Mašinskom fakultetu u Podgorici. Od maja 2000. godine do oktobra 2009. godine radio je kao saradnik u nastavi na Mašinskom fakultetu u Podgorici na predmetima Mehanika fluida, Prenos toplote i mase, Pumpe ventilatori i turbokompresori, Turbine, Projektovanje energetska postrojenja i Cijevni vodovi. U oktobru 2009. godine izabran je u zvanje docenta Univerziteta Crne Gore na Mašinskom fakultetu na predmetima Pumpe ventilatori i turbokompresori, Turbine, Projektovanje energetskih postrojenja i Hidroelektrane. U januaru 2015. godine izabran je u zvanje vanrednog profesora Univerziteta Crne Gore na Mašinskom fakultetu na predmetima Pumpe ventilatori i turbokompresori, Turbine, Projektovanje energetskih postrojenja i Hidroelektrane. U januaru i februaru 2005. godine boravio je u Litostroju El, Slovenija, na stručno-naučnom usavršavanju, kao stipendista slovenačkog ministarstva za nauku, kulturu i sport. U maju 2007. godine izabran je od strane Ministarstva prosvjete i nauke kao nacionalna kontakt osoba za oblast energije u Sedmom okvirnom program Evropske Unije (FP7 Energy NCP). Govori, čita i piše engleski i ruski jezik. Objavio je više od 50 naučnih i stručnih radova i učestvovao u realizaciji preko 90 naučnih i stručnih projekata. U svojstvu konsultanta aktivno učestvuje u poslovima vezanim za proračune hidrauličkih prelaznih procesa u hidroelektranama i pumpnim sistemima. Član je IAHR (International Association for Hydro-Environment Engineering and Research) i Inženjerske komore Crne Gore. Dobitnik je godišnje nagrade Inženjerske komore Crne Gore za ostvarene rezultate u struci iz oblasti uređenja prostora i izgradnje objekata za 2013. godinu. Dobitnik je priznanja Univerziteta Crne Gore za postignute rezultate i doprinose razvoju naučno-istraživačkog, umjetničkog i stručnog rada na Mašinskom fakultetu u 2018. godini. Oženjen, otac dvoje djece.



Naučno-istraživački projekti

1. "Research and development of improved measures for protection of hydropower plants during hydraulic transients in order to increase their reliability and energy efficiency". Scientific and technological cooperation between Governments of Republic Serbia and Montenegro. (leader of working team) (2019 - 2020)
2. REAdy for BUSiness, Integrating and validating practical entrepreneurship skills in engineering and ICT studies – REBUS, 573664-EPP-1-2016-BA-EPPKA2-CBHE-JP, ERASMUS+. (member of working team) (2016 - 2019)
3. Enhancement of Registry of Small Rivers for Small Hydropower Projects Potential of up to 10 MW in Montenegro, financed by EBRD. (Expert for hydraulic engineering and technical solutions for SHPPs) (2016 – 2018)
4. „Investigation of the turbulent swirl flow influence on the energy parameters of the axial fans

- by using contemporary measurement techniques". Scientific and technological cooperation between Governments of Republic Serbia and Montenegro. (leader of working team) (2016-2017)
5. "Western Balkans regional energy efficiency programme (REEP), Scoping study for Street Lighting Modernization Programme using ESCO approach in Montenegro, financed by EBRD. (technical expert for Montenegro) (2015)
 6. "Investigations of hydraulic transients during filling and emptying of pipelines". Scientific and technological cooperation between Governments of Republic Slovenia and Montenegro. (leader of working team) (2014-2015)
 7. "Western Balkans regional energy efficiency programme (REEP), Policy dialogue – Supporting ESCO projects in the public sector, Legal assistance for an ESCO project enabling legal framework, financed by EBRD. (technical expert for Montenegro) (2013-2014)
 8. "Training courses for public services in sustainable infrastructure development in Western Balkans- SDTRAIN" 530530-TEMPUS-1-2012-1-SE-TEMPUS-JPHES. (member of working team at the University of Montenegro) (2012-2014)
 9. "Investigations of transients phenomena in hydraulic and aeromechanical systems". Ministry of Science Montenegro. (member of working team) (2012-2014)
 10. "Investigations of water hammer effects in a test facility". Scientific and technological cooperation between Governments of Republic Slovenia and Montenegro. (leader of working team) (2012-2013)
 11. Technical Monitoring and Evaluation Consultant for the Clinic Center in Podgorica", MNE-EE-P107992-CQ-S-09-C.1., financed by World Bank. (member of working team) (2012-2013)
 12. Development of a small hydropower registry for Northern Montenegro, financed by EBRD. (member of working team) (2011-2012)
 13. "Measurements of turbulent flow characteristics in pipes and channels". Scientific and technological cooperation between Governments of Republic Slovenia and Montenegro. (member of working team) (2010-2011)
 14. "Mjerenje karakteristika turbulentnih strujnih polja u cijevima i kanalima". Projekat finansiran od strane Ministarstva prosvjete i nauke Crne Gore. (member of working team) (2008-2011)
 15. Connecting Energy NCPs: A proactive network of National Contact Points in the Seventh Framework Programme under the Energy Theme, C-ENERGY financed by European Commission contract number 226548-2. (Energy NCP in Montenegro) (2009-2010)
 16. "Measurements of the flow fields characteristics in high pressure conditions". Scientific and technological cooperation between Governments of Republic Slovenia and Montenegro. (member of working team) (2006-2008)
 17. "Mjerenje karakteristika strujnih polja u uslovima visokog pritiska". Projekat finansiran od strane Ministarstva prosvjete i nauke Crne Gore. (member of working team) (2006-2008)

CURRICULUM VITAE

1.	Family Name	Karadžić		
	First Name	Uroš		
	Maiden Name (if any)			

2.	Date of Birth:	08.05.1974.		
3.	Marital Status:	Married, two children		
4.	Sex:	Male		

5.	Address:	Studentska street, Lamela 2, V-40, 81000 Podgorica, Montenegro		
	Telephone:	+382 69 014 053, +382 67 510 232, +382 20 268 681		
	Fax:	+382 20 206 131		
	E-mail:	uros.karadzic@ucg.ac.me		

6.	Education (College and/or University or equivalent)			
	<i>Name</i>	<i>Years Attended</i>	<i>Degree Obtained</i>	<i>Major Subject of Study</i>
	University of Montenegro, Faculty of Mechanical Engineering	2005 – 2008	PhD ME	Research on Fluid Transients Phenomena on Perućica HPP, Montenegro
	University of Montenegro, Faculty of Mechanical Engineering	2000 – 2004	MSc ME	Fluid Transients, Water Hammer, Unsteady Friction
	University of Montenegro, Faculty of Mechanical Engineering	1992 - 1999	BSc ME	Air Conditioning

--	--	--	--	--	--

7.	Additional Education Information	
	<i>Scholarships or Academic Distinctions:</i>	1. Scholarship from The Ministry of the Republic of Slovenia for Education, Science and Sport for two months (January 2005 – February 2005)
	<i>Publications:</i>	1. Books 1. Vukoslavčević P., Karadžić U. (2010). Fundamentals of Fluid Mechanics. <i>Textbook, University of Montenegro, Faculty of Mechanical Engineering</i>, Podgorica, Montenegro. (in Serbian) 2. Disertations 1. Karadžić U. (2008). Modelling of complex boundary conditions for transients in hydraulic systems. <i>PhD thesis, Faculty of Mechanical Engineering, University of Montenegro</i>, Podgorica, Montenegro. (in Serbian) 2. Karadžić, U. (2004). Analysis fluid transients phenomena in hydraulic systems. <i>Master thesis, Faculty of Mechanical Engineering, University of Montenegro</i>, Podgorica, Montenegro. (in Serbian) 3. Monographs 3.1. <i>Part of scientific monograph</i> 1. Karadžić, U. (2005). Fluid transients and unsteady friction in hydraulic pipeline systems. <i>Monograph 35 years of mechanical engineering studies in Montenegro, University of Montenegro, Faculty of Mechanical Engineering</i>, Podgorica, Montenegro. (in Serbian) 4. Journal papers 4.1. <i>Journal with impact factor</i> 1. Karadžić U., Bergant A., Starinac D., Božović B. (2019). Water hammer investigation of the shut-down of a high-head hydropower plant at very high Reynolds number flows. <i>Strojniški Vestnik-Journal of Mechanical Engineering</i>, 65(7-8), 430-440.

DOI:10.5545/sv-jme.2019.6092

2. **Karadžić U.**, Janković M., Strunjaš F., Bergant A. (2018). Water hammer and column separation induced by simultaneous and delayed closure of two valves. *Strojniški Vestnik-Journal of Mechanical Engineering*, 64(9), 525-535. DOI:10.5545/sv-jme.2017.4993

3. Bergant A., Tijsseling A. Kim Y., **Karadžić U.**, Zhou L., Lambert M.F., Simpson A.R. (2018). Unsteady pressures influenced by trapped air pockets in water-filled pipelines. *Strojniški Vestnik-Journal of Mechanical Engineering*, 64(9), 501-512. DOI:10.5545/sv-jme.2018.5238

4. Vujadinović R., Tombarević E., **Karadžić U.** (2017). Valorization of potentials of wind energy in Montenegro. *Thermal Science*, 21(5), 1893-1903. doi:10.2298/TSCI161201016V

5. **Karadžić U.**, Bulatović V., Bergant A. (2014). Valve induced water hammer and column separation in pipeline apparatus. *Strojniški Vestnik-Journal of Mechanical Engineering*, 60(11), 742-754.

6. **Karadžić U.**, Kovijanić V., Vujadinović R. (2014). Possibility for hydro energetic utilization of relatively researched water streams. *Water Resources*, 41(6), 774-781.

7. **Karadžić U.**, Bergant A., Vukoslavčević P. (2009). A novel Pelton turbine model for water hammer analysis. *Strojniški Vestnik-Journal of Mechanical Engineering*, 55(6), 369-380.

8. Bergant, A., **Karadžić U.**, Vitkovsky, J., Vušanović, I., and Simpson, A.R. (2005). A Discrete Gas-Cavity Model that Considers the Frictional Effects of Unsteady Pipe Flow. *Strojniški Vestnik-Journal of Mechanical Engineering*, 51(11), 692-710.

4.2. Journal without impact factor

1. **Karadžić U.**, Bergant A. (2018). Experimental investigations of pipeline filling and emptying in a small scale apparatus. *JET Journal of Energy Technology*, Vol.11, Issue 2, pp 11-22, ISSN 1855-5748.
2. Bergant A., Mazij J., **Karadžić U.** (2018). Design of water hammer control strategies in hydropower

- plants. *Applied engineering letters*, Vol.3, No.1, pp 27-33, e-ISSN 2466-4847, <https://doi.org/10.18485/aletters.2018.3.1.5>
3. Kuljić S., **Karadžić U.** (2017). Hydraulic analysis of water supply system in town Nevesinje. *Machine design*, Vol.9, No.4, pp 155-160, ISSN 1821-1259, DOI: 10.24867/MD.9.2017.4.155-160.
 4. Bergant A., **Karadžić U.**, Tijsseling A. (2017). Developments in multiple-valve pipeline column separation control. *IOP Conf. Series: Journal of Physics: Conf. Series*, 813, doi:10.1088/1742-6596/813/1/012015.
 5. Bergant A., **Karadžić U.**, Tijsseling A. (2016). Dynamic water behavior due to one trapped air pocket in a laboratory pipeline apparatus. *IOP Conf. Series: Earth and Environmental Science*, Vol.49, doi:10.1088/1755-1315/49/5/052007.
 6. Vujadinović R., **Karadžić U.** (2016). Techno-economic analysis of the project Možura wind park with installed capacity of 46 MW, *Energetika-Ekonomija-Ekologija*, ISSN 0354-8651, god. XVIII, (in Montenegrin)
 7. 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. *EJSDR European Journal of Sustainable Development Research*, Vol.1, Issue 1, pp 63-71.
 8. Bergant A., **Karadžić U.** (2015). Numerical and experimental investigations of transient cavitating pipe flow. *JET Journal of Energy Technology*, Vol.8, Issue 2, pp 31-42.
 9. **Karadžić U.**, Vujadinović R. (2013). Hydro potential of Montenegro – status, perspective of utilization and legislative framework. *Energetika-Ekonomija-Ekologija*, ISSN 0354-8651, god. XV, (in Serbian)
 10. **Karadžić U.**, Bergant A., Vukoslavčević P., Sijamhodžić E., Fabijan D. (2011). Water hammer caused by shut-off valves in hydropower plants. *JET Journal of Energy Technology*, Vol.4, Issue 2, pp 47-54.
 11. Vujadinović R., Bošković Lj., **Karadžić U.** (2011). Renewable energy sources as alternative to diesel generators in telecommunications companies. *Energetika-Ekonomija-Ekologija*, ISSN 0354-8651, god. XIII, br.2, pp 178-184. (in Serbian)
 12. **Karadžić U.**, Bergant A., Vukoslavčević P. (2010). Water hammer caused by closure of

turbine safety spherical valves. *IOP Conf. Series: Earth and Environmental Science*, Vol.12, pp 1-8.

5. Publications on conferences, symposiums and seminars

5.1. International conferences

1. Brdanin R., **Karadžić U.**, Bergant A., Ilić J. (2019). Recent developments in unsteady pipe flow experimentation at the University of Montenegro. *8th IAHR Meeting of the Workgroup on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems*, Stuttgart, Germany, October 09-11.
2. Brdanin R., Ilić J. **Karadžić U.**, Bergant A. (2019). Experimental water hammer setup at University of Montenegro – description and possibilities. *DEMI 2019 - 14th International Conference on Accomplishments in Mechanical and Industrial Engineering*, Banja Luka, Republic of Srpska, BiH, 24-25 May, pp 195-200.
3. Vilotijević V., **Karadžić U.**, Božić I., Ilić J. (2019). Design discharge determination for SHPPs with capacity below 1 MW. *DEMI 2019 - 14th International Conference on Accomplishments in Mechanical and Industrial Engineering*, Banja Luka, Republic of Srpska, BiH, 24-25 May, pp 297-302.
4. Ilić J., Božić I., **Karadžić U.**, Brdanin R. (2019). Comparative analysis of the hydro power plant transient processes for various surge tank types and improved guide vanes closing law. *DEMI 2019 - 14th International Conference on Accomplishments in Mechanical and Industrial Engineering*, Banja Luka, Republic of Srpska, BiH, 24-25 May, pp 215-222.
5. **Karadžić U.**, Iliev V., Bergant A. (2018). Fluid structure interaction effects in small-scale pipeline apparatus. *International Conference Energy and Ecology Industry*. Belgrade, Serbia, 10-13 October.
6. Vilotijević V., **Karadžić U.**, Vušanović I. (2018). Determination of the degree of installed flow in small hydropower plants. *International Conference Energy*

and Ecology Industry. Belgrade, Serbia, 10-13 October.

7. **Karadžić U.**, Janković M., Strunjaš F. (2017). Influence of the initial conditions on water hammer in reservoir-pipeline-valve system. *DEMI 2017 - 13th International Conference on Accomplishments in Mechanical and Industrial Engineering*, Banja Luka, Republic of Srpska, BiH, 26-27 May.

8. Vuković D., Vilotijević V., **Karadžić U.** (2017). Hydraulic transients calculations on Komarnica HPP. *DEMI 2017 - 13th International Conference on Accomplishments in Mechanical and Industrial Engineering*, Banja Luka, Republic of Srpska, BiH, 26-27 May.

9. Bergant A., **Karadžić U.** (2015). Developments in valve-induced water hammer experimentation in a small-scale pipeline apparatus. *12th International Conference on Pressure Surges, BHR Group*, Dublin, Ireland, 18-20 November.

10. **Karadžić U.**, Bergant A., Mavrič R., Strunjaš F., Buckstein S. (2015). Developments in pipeline filling and emptying experimentation in a laboratory pipeline apparatus. *6th IAHR International Meeting of the Workgroup on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems*, Ljubljana, Slovenia, September 09-11.

11. Bulatović V., **Karadžić U.**, Bergant A. (2013). Investigation of water hammer and column separation in unsteady friction dominated pipeline apparatus. *5th IAHR International Workshop on Cavitation and Dynamic Problems in Hydraulic Machinery*, EPFL, Lausanne, Switzerland, September 08-11.

12. Bergant A., Mazij, J., **Karadžić U.**, Gale, J. (2013). Assessment and mitigation of water hammer effects in hydropower plants on environment. *ENRE 3rd International Conference Energy Technology*, Velenje, Slovenia, 20-21 June.

13. Prvulović S., **Karadžić U.** (2012). Application of analytical hierarchy process in the selection of optimal technological solutions. *II International Conference Industrial Engineering and Environmental Protection IIZS*, University of Novi Sad, Technical faculty of

Mihajlo Pupin, Zrenjanin, Serbia, 31st October.

14. Vujadinović R., **Karadžić U.** (2012). Use of aluminium in the production of cars. II *International Conference Industrial Engineering and Environmental Protection IIZS*, University of Novi Sad, Technical faculty of Mihajlo Pupin, Zrenjanin, Serbia, 31st October.

15. Bergant A., Anderson A., Nicolet C, **Karadžić U.** Mazij J. (2012). Issues related to fluid transients in refurbished and upgraded hydropower schemes. *11th International Conference on Pressure Surges, BHR Group*, Lisbon, Portugal, 24-26 October.

16. **Karadžić U.** Bergant A. (2012). Pipeline apparatus for investigation of water hammer and column separation phenomena at the University of Montenegro. *2nd IAHR Europe Congress*, TUM, Munich, Germany, 27-29 June.

17. Kovijanić V., **Karadžić U.** Vujadinović R. (2012). Assessment of possibility for hydro energetic utilization of small water streams. *Hidroenergija 2012*, Wroclaw, Poland, 23-26 May.

18. **Karadžić U.**, Bergant A., Vukoslavčević P. (2011). Influence of unsteady friction on hydraulic transients in a high-head hydropower plant. *4th IAHR International Meeting of the Work Group on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems, Faculty of Mechanical Engineering, University of Belgrade*, Belgrade, Serbia, October 26-28, pp 313-320.

19. **Karadžić U.**, Bergant A., Vukoslavčević P. (2009). Water hammer effects during Pelton turbine load rejection. *3rd IAHR International Meeting of the Work Group on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems, Brno University of Technology, Brno, Czech Republic* October 14-16, pp 443-452.

20. **Karadžić U.**, Bergant A., Vukoslavčević P. (2008). Parameters affecting water hammer in a high-head hydropower plant with Pelton turbines. *10th International Conference on Pressure Surges, BHR Group*, Edinburgh UK, 14-16 May, pp 351-364.

5.2. National and local conferences

1. Brđanin R., **Karadžić U.**, Ilić J. Božić I. (2019). Comparison of dynamic pressure transducers on experimental water hammer setup. *7th Regional Conference Industrial Energy and Environmental Protection in South-Eastern Europe, IEEP 2019*. Zlatibor, Serbia, 19-22 June.
2. **Karadžić U.** (2019). Hydraulic transient calculation in case of Vrelo SHPP. *VI Symposium CG KO CIGRE*, Bečići, Montenegro, 14-17 May. (in Montenegrin)
3. Radonjić N., Perišić V., **Karadžić U.**, Vujadinović R. (2017). The analysis of investments in renewable energy. *V Symposium CG KO CIGRE*, Bečići, Montenegro, 09-12 May. (in Montenegrin)
4. Janković M., Strunjaš F., Bergant A., **Karadžić U.** (2017). Hydraulic transients due to gradual valve closure. *V Symposium CG KO CIGRE*, Bečići, Montenegro, 09-12 May. (in Montenegrin)
5. Rakočević S., Mićanović M., Bošković Lj., **Karadžić U.**, Vujadinović R. (2017). Criteria for the selection of the installed flow of small hydropower plants. *V Symposium CG KO CIGRE*, Bečići, Montenegro, 09-12 May. (in Montenegrin)
6. Ćipranić I., Sekulić G., Bošković Lj., **Karadžić U.** (2016). Design principles of small hydropower plants and their integration into the environment. *6th International conference GNP*, Žabljak, Montenegro, 07-11 March. (in Montenegrin)
7. Mazij, J., Bergant, A., **Karadžić, U.** (2015). Critical parameters of hydraulic transient regimes in hydropower plants with complex water conveyance systems. *IV Symposium CG KO CIGRE*, Herceg Novi, Montenegro, 11-14 May.
8. Bošković, Lj., **Karadžić, U.**, Drašković, I., Mićeta, G., Stanojević, M., Vujadinović, R. (2015). Experience in the process of development of idea, design and realization of SHPP Vrelo. *IV Symposium CG KO CIGRE*, Herceg Novi, Montenegro, 11-14 May, (in Serbian).

9. Bulatović, V., **Karadžić, U.** (2013). Experimental apparatus for investigation of hydraulic transients. *8th International meeting „Renewable Energy Sources and Energy Efficiency“*, The Montenegrin Academy of Sciences and Arts, Podgorica, Montenegro, 7 Oktober, (in Serbian).
10. Giljen Z., **Karadžić, U.** (2013). Analysis of hydraulic transients on „Piva“ HPP for the case of emergency shut-down of the Francis turbine unit. *III Symposium CG KO CIGRE*, Budva, Montenegro, 13-16 May, (in Serbian).
11. **Karadžić U.**, Bošković Lj., Vujadinović R. (2011). Hydroenergetic utilization of small water streams. *7th International meeting „Renewable Energy Sources and Energy Efficiency“*, The Montenegrin Academy of Sciences and Arts, Budva, Montenegro, 10 - 11 Oktober, (in Serbian).
12. **Karadžić U.**, Bergant A., Vukoslavčević P. (2011). Numerical modeling of extreme hydraulic transients on „Perućica“ HPP. *II Symposium CG KO CIGRE, Budva*, Montenegro, 16-19 May, (in Serbian).
13. Giljen Z., **Karadžić, U.** (2011). Analysis of hydraulic transients on „Piva“ HPP. *II Symposium CG KO CIGRE*, Budva, Montenegro, 16-19 May, (in Serbian).
14. Vujadinović R., Bošković Lj., **Karadžić U.** (2011). Application of renewable energy sources in the telecommunication sector. *II International Symposium „Engineering, Ecology And Materials in Process Industry*, Jahorina, Bosnia and Hercegovina, 09-11 March (in Serbian).
15. **Karadžić U.**, Bergant A., Vukoslavčević P. (2009). Hydraulic transients on „Perućica“ HPP with their influence on EES. *I Symposium CG KO CIGRE, Budva*, Crna Gora, 12-16 October, (in Serbian).
16. Jokić S., Nikolić Z., **Karadžić U.** (2009). Start-up and stop of renewed turbine units during the first phase of „Perućica“ HPP modernisation. *I Symposium CG KO CIGRE, Budva*, Crna Gora, 12-16 October, (in Serbian).
17. **Karadžić U.**, Bergant A., Vukoslavčević P. (2009). Hydraulic transients in penstocks after load

rejection of Pelton turbine unit. *14th Symposium on Thermal Science and Engineering of Serbia*, Sokobanja, Serbia, 13-16 October (in Serbian).

18. **Karadžić U.**, Vukoslavčević, P (2009). Water turbines for small hydro power plants. *Renewable Energy and Future of its Application, The Montenegrin Academy of Sciences and Arts*, Budva, Montenegro, 07-09 October, (in Serbian).

19. Vukoslavčević P., **Karadžić U.** (2007). Heat energy transfer in supercritical conditions. *Renewable Energy and Future of its Application, The Montenegrin Academy of Sciences and Arts*, Budva, Montenegro, (in Serbian).

20. **Karadžić U.**, Bergant A., Vukoslavčević P. (2007). Influence of unsteady friction on hydraulic transients in case of industrial hydropower system. *13th Symposium on Thermal Science and Engineering of Serbia*, Sokobanja, Serbia, 16-19 October, (in Serbian).

21. **Karadžić U.**, Bergant A., Vušanović I. (2006). Validation of convolution unsteady friction model for transients in hydraulic pipeline systems, *30. HIPNEF with international contribution*, Vrnjačka Banja, Serbia, 24-26 May, (in Serbian).

22. **Karadžić, U.**, Bergant, A., Vušanović, I. (2005). Influence of unsteady friction on transients in hydraulic pipeline systems. *12th Symposium on Thermal Science and Engineering of Serbia*, Sokobanja, Serbia. 22-25 October, (in Serbian).

6. Invited and plenary lectures

6.1. With international contribution

1. Bergant, A., **Karadžić, U.**, Vitkovsky, J., Vušanović, I., and Simpson, A.R. (2008). Discrete Gas Cavity Model with Convolution Based Unsteady Friction Model. *Meeting of the Advisory Group on Unsteady Friction*, Edinburgh, United Kingdom, 16 May 2008.

6.2. Invited lectures

1. **Karadžić, U.** (2016). Hydraulic transients investigations at University of Montenegro, *Hohai*

Mentoring:	<i>University, College of Mechanics and Materials, Nanjing, China, 08.12.2016.</i> 2. Karadžić, U. (2013). Developments in water hammer and column separation experimentation in a newly built apparatus at the University of Montenegro. <i>Litostroj Power doo, Ljubljana, Slovenia, 15.12.2013.</i> 3. Karadžić, U. (2010). Hydraulic transients investigations on Perućica HPP. <i>Litostroj Power doo, Ljubljana, Slovenia, 15.12.2010.</i> 1. PhD Thesis 2. Master Thesis 1. Kovijanić, V. (2019). Functional application for calculation of basic parameters of small hydro power plants. <i>UCG, Faculty of Mechanical Engineering, Podgorica, Montenegro.</i> (in Montenegrin) 2. Vilotijević, V. (2018). Determination of the installed flow in small hydro power plants. <i>UCG, Faculty of Mechanical Engineering, Podgorica, Montenegro.</i> (in Serbian) 3. Janković, M. (2016). The influence of closing and opening of the valve at the end of pipeline on hydraulic transients. <i>UCG, Faculty of Mechanical Engineering, Podgorica, Montenegro.</i> (in Serbian) 4. Strunjaš, F. (2016). Hydraulic transients as result of simultaneous closure of the valves at the beginning and the end of pipeline. <i>UCG, Faculty of Mechanical Engineering, Podgorica, Montenegro.</i> (in Serbian) 5. Bulatović, V. (2014). Experimental and numerical investigations of water hammer effects. <i>UCG, Faculty of Mechanical Engineering, Podgorica, Montenegro.</i> (in Serbian) 6. Kuljić, S. (2012). Numerical calculation of water supply system Nevesinje. <i>UCG, Faculty of Mechanical Engineering, Podgorica, Montenegro.</i> (in Serbian) 7. Giljen, Z. (2011). Hydraulic transients modelling on Piva HPP. <i>UCG, Faculty of Mechanical Engineering, Podgorica, Montenegro.</i> (in Serbian) 8. Jokić, S. (2011). Development of the experimental
-------------------	---

		installation for water hammer investigation. <i>UCG, Faculty of Mechanical Engineering</i>, Podgorica, Montenegro. (in Serbian) 9. Nikolić, Z. (2011). Verification of water hammer numerical model by comparison with results of measurement obtained on the experimental facility. <i>UCG, Faculty of Mechanical Engineering</i>, Podgorica, Montenegro. (in Serbian)	
--	--	---	--

8.	Knowledge of Languages							
	<i>Read</i>		<i>Write</i>		<i>Speak</i>		<i>Understand</i>	
	<i>Easily</i>	<i>Not Easily</i>	<i>Easily</i>	<i>Not Easily</i>	<i>Easily</i>	<i>Not Easily</i>	<i>Easily</i>	<i>Not easily</i>
<i>English</i>	x		x		x		x	
<i>Others: Russian</i>	x			x		x	x	

9.	Computer Literacy	
Basic:	Microsoft Office, Internet and Email, Corel Draw, Auto Cad	
Programming:	Fortran, Visual Basic	
Hydraulic:	Wanda 3.0 (Deltares), AFT Fathom 6.0 (Applied Flow Technology), AFT Impulse 4.0 (Applied Flow Technology)	

10.	Work Experience
------------	------------------------

	January 2015 by now Associate Professor at Faculty of Mechanical Engineering on the following subjects: Pumps and Fans, Hydraulic turbines, Design of Power Plants, Hydropower Plants October 2009 – January 2015 Assistant Professor at Faculty of Mechanical Engineering on the following subjects: Pumps and Fans, Hydraulic turbines, Design of Power Plants, Hydropower Plants May 2000 – October 2009 Assistant at Faculty of Mechanical Engineering on the following subjects: Fluid Mechanics, Heat and Mass Transfer, Hydraulic turbines, Pumps and Fans	
--	---	--

11. References

1. Dr Anton Bergant, Litostroj Power d.o.o., Ljubljana, Slovenia, anton.bergant@litostrojpower.eu
2. Dr Petar Vukoslavčević, Professor, Faculty of Mechanical Engineering, University of Montenegro, Podgorica, Montenegro, petarvuk@ucg.ac.me
3. Dr Igor Vušanović, Professor, Faculty of Mechanical Engineering, University of Montenegro, Podgorica, Montenegro, igorvus@ucg.ac.me
- 4.

12. International projects

	2006 – 2008 “Measurements of the flow fields characteristics in high pressure conditions”. Scientific and technological cooperation between Governments of Republic Slovenia and Montenegro. (member of working team) 2009-2010 Conecting Energy NCPs: A proactive network of National Contact Points in the Seventh Framework Programme under the Energy Theme, C-ENERGY financed by European Commission contract number 226548-2. (Energy NCP in Montenegro) 2010 – 2011 “Measurements of turbulent flow characteristics in pipes and channels”. Scientific and technological cooperation between Governments of Republic Slovenia and Montenegro. (member of working team) 2011-2012 Development of a small hydropower registry for Northern Montenegro, financed by EBRD. (member of working team) 2012-2013 Technical Monitoring and Evaluation Consultant for the Clinic Center in Podgorica”, MNE-EE-P107992-CQ-S-09-C.1., financed by World Bank. (member of working team) 2012-2013 “Investigations of water hammer effects in a test facility”. Scientific and technological cooperation between Governments of Republic Slovenia and Montenegro. (leader of working team) 2012-2014 “Training courses for public services in sustainable infrastructure development in Western Balkans- SDTRAIN“ 530530-TEMPUS-1-2012-1-SE-TEMPUS-JPHES. (member of working team at the University of Montenegro) 2013-2014 “Western Balkans regional energy efficiency programme (REEP), Policy dialogue – Supporting ESCO projects in the public sector, Legal assistance for an ESCO project enabling legal framework, financed by EBRD. (technical expert for Montenegro)
--	--

	2014-2015 “Investigations of hydraulic transients during filling and emptying of pipelines”. Scientific and technological cooperation between Governments of Republic Slovenia and Montenegro. (leader of working team) 2015 “Western Balkans regional energy efficiency programme (REEP), Scoping study for Street Lighting Modernization Programme using ESCO approach in Montenegro, financed by EBRD. (technical expert for Montenegro) 2016 - 2017 „Investigation of the turbulent swirl flow influence on the energy parameters of the axial fans by using contemporary measurement techniques“. Scientific and technological cooperation between Governments of Republic Serbia and Montenegro. (leader of working team) 2016 – 2018 Enhancement of Registry of Small Rivers for Small Hydropower Projects Potential of up to 10 MW in Montenegro, financed by EBRD. (Expert for hydraulic engineering and technical solutions for SHPPs) 2016 – 2019 REady for BUSiness, Integrating and validating practical entrepreneurship skills in engineering and ICT studies – REBUS, 573664-EPP-1-2016-BA-EPPKA2-CBHE-JP, ERASMUS+. (meamber of working team) 2019 – 2020 “Research and development of improved measures for protection of hydropower plants during hydraulic transients in order to increase their reliability and energy efficiency”. Scientific and technological cooperation between Governments of Republic Serbia and Montenegro. (leader of working team)
--	---

13.	National projects 2006 – 2008 “Mjerenje karakteristika strujnih polja u uslovima visokog pritiska”. Projekat finansiran od strane Ministarstva prosvjete i nauke Crne Gore. (member of working team) 2008 – 2011 “Mjerenje karakteristika turbulentnih strujnih polja u cijevima i kanalima”. Projekat finansiran od strane Ministarstva prosvjete i nauke Crne Gore. (member of working team) 2012 – 2014 “Investigations of transients phenomena in hydraulic and aeromechanical systems”. Ministry of Science Montenegro. (member of working team)
-----	---

14.	Professional engagement
-----	-------------------------

1. „Hydraulic transients in Perucica HPP: Water hammer analysis in system under pressure before commissioning tests – load rejection of turbine unit A1”, Perućica HPP EPCG, Litostroj EI Slovenija, May 2006, (member of working team).
2. Energy NCP (National Contact Point) in Montenegro in Seventh Framework Programme EU (FP7) from May 2007 till June 2012
3. „Investigations of the stress state in characteristics intersection of penstock C3 in Perućica HPP“, September 2007 and January 2008 (member of working team)
4. „Analysis and determination of final as-built condition of the installation of air conditioning and heating on Agency for Telecommunications, Podgorica“, March 2009, (member of working team)
5. “Preliminary assessment of possibility for hydro energetic utilization of Bjeluha and Moraca river ”, March 2010, (member of working team)
6. „Idea solutions for small hydropower plants (SHPP) on Komaraca river“, April 2010, (member of working team)
7. „Hydropotential analysis of Komaraca river“, April 2010, (member of working team)
8. “Preliminary assessment of possibility for hydro energetic utilization of Meho water stream ”, May 2010, (member of working team)
9. “Preliminary assessment of possibility for hydro energetic utilization of Skrbusa river ”, July 2010, (member of working team)
10. „Calculation of the stress state on A2 „Piva“ HPP generator shaft in the zone of crack’s appearance“, September 2010, (responsible designer for calculation of axial hydraulic force)
11. “Preliminary assessment of hydro potential utilization of some rivers from Šavnik municipality”, November 2010, (member of working team)
12. “Preliminary assessment of hydro potential utilization of some rivers from Plav municipality”, November 2010, (member of working team)
13. “Preliminary assessment of hydro potential utilization of some rivers from Bijelo Polje municipality”, November 2010, (member of working team)
14. “Preliminary assessment of hydro potential utilization of some rivers from Kolašin municipality”, November 2010, (member of working team)
15. Environmental impact assessment for the SHPP “Grlja”, ECG Ltd. 2011
16. „Technical solution for exhaust system from diesel engine“, Telenor doo, Podgorica, February 2011, (member of working team)
17. „Program of continuous monitoring of penstock III on Perucica HPP“, EPCG, March 2011, (member of working team)
18. “Preliminary assessment for possibility of hydro energetic utilization of river Vrelo”, Synergy doo, Podgorica, March 2011, (member of working team)
19. „Idea solution with pre-feasibility study for small hydropower plant (SHPP) on river Vrelo“, Synergy doo, Podgorica, April 2011, (leader of working team)
20. “Preliminary assessment for possibility of hydro energetic utilization of river Ljevak”, BEI doo, Podgorica, August 2011, (member of working team)

21. Idea project for Jara SHPP, Kronor doo, Podgorica, June 2012, (leader of working team)
22. Environmental impact assessment of the SHPP "Jara", Kronor doo, 2012
23. Idea project for Vrelo SHPP, Synergy doo, Podgorica, October 2012, (leader of working team)
24. Environmental impact assessment of Babino polje SHPP, Kronor doo, 2013
25. Idea project for Rastak SHPP, Kol-energy doo, Kolasin, Montenegro February 2013, (member of working team)
26. Idea project for Babino Polje SHPP, Kronor doo, Podgorica, March 2013, (member of working team)
27. Idea project for Meteh SHPP, Kronor doo, Podgorica, March 2013, (member of working team)
28. Main design for Vrelo SHPP, Synergy doo, Podgorica, May 2013, (leader of working team)
29. "Preliminary assessment for possibility of hydro energetic utilization of river Sjevernica", BMR, Oxon, UK May 2013, (member of working team)
30. „Development of Conceptual design for reconstruction of water supply system and construction of SHPP on Krkori water source in municipality of Andrijevisa (Montenegro)“, UNDP – Montenegro, May-June 2013, (member of working team)
31. „Idea solution for small hydropower plant (SHPP) on river Bistrica Majstorovina“, Synergy doo, Podgorica, November 2013, (member of working team)
32. „Idea solution for small hydropower plant (SHPP) on river Djuricka with tributaries“, Triangle inc, New York, November 2013, (member of working team)
33. „Idea solution for small hydropower plant (SHPP) on river Vrbnica“, Hydropol, Prague, November 2013, (member of working team)
34. „Idea solution for small hydropower plant (SHPP) on river Kaludarska“, Hydropol, Prague, November 2013, (member of working team)
35. Main design for Jara SHPP, Kronor doo, Podgorica, April 2014, (member of working team)
36. Idea solution for small hydropower plant (SHPP) on river Ljevak, Simes Engineering, Podgorica, April 2014, (member of working team)
37. Main design for Babino Polje SHPP, Kronor doo, Podgorica, May 2014, (member of working team)
38. Idea solution for small hydropower plant (SHPP) on river Leverska, BB Hydro, Podgorica, May 2014, (member of working team)
39. Idea solution for small hydropower plant (SHPP) on river Ljevak, Simes ingeniering Ltd. , 2014, (member of working team)
40. Idea solution for small hydropower plant (SHPP) on river Slatina, BB Hydro, 2014, (member of working team)
41. Idea solution for small hydropower plant (SHPP) on river Bistrica Lipovska, BB Hydro, 2014. (member of working team)

42. Idea solution for small hydropower plant (SHPP) on river Bistrica Lipovska, BB Hydro, 2014. (member of working team)
43. Idea solution for small hydropower plant (SHPP) on river Ratnja, Ljetopis automotive Ltd, 2014. (member of working team)
44. Idea solution for small hydropower plant (SHPP) on river Požnja, Ljetopis automotive Ltd, 2014. (member of working team)
45. Idea solution for small hydropower plant (SHPP) on river Trnovačka, Ljetopis automotive Ltd, 2014. (member of working team)
46. Idea solution for small hydropower plant (SHPP) on river Skrbuša, Soko group , 2014. (member of working team)
47. Idea solution for small hydropower plant (SHPP) on river Slatina, BB Hydro, 2014. (member of working team)
48. Idea project of the wind park "Možura", Možura wind park Ltd., 2014. (member of working team)
49. Main design of the SHPP „Raštak 1“, KOL ENERGY Ltd., 2014. (member of working team)
50. Idea solution for small hydropower plant (SHPP) on river Radmanska, SHPP Montenegro 2, 2014. (member of working team)
51. Preliminary assessment for possibility of hydro energetic utilization of Umski water stream, Synergy, 2015. (member of working team)
52. Preliminary assessment for possibility of hydro energetic utilization of Rupočajski water stream, Municipality Kolašin, 2015. (member of working team)
53. Preliminary assessment of possibility for hydro energetic utilization for SHPP Šitarička , 2015. (member of working team)
54. Preliminary assessment of possibility for hydro energetic utilization for SHPP Rzačka, 2015. (member of working team)
55. Preliminary assessment of possibility for hydro energetic utilization of Vrelo Ljučansko, 2015. (member of working team)
56. Preliminary assessment of the possibility of using the hydropower potential of water courses for SHP "Štitska", 2015. (member of working team)
57. Main design of the SHPP „Bistrica Majstorovina“, Hidro Bistrica, 2015. (member of working team)
58. Idea solution for small hydropower plant (SHPP) on river Šeremet, Nord Electro, 2015. (member of working team)
59. Idea solution for small hydropower plant (SHPP) on river Vrbnica, MHE Vrbnica d.o.o. , 2015. (member of working team)
60. Idea solution for small hydropower plant (SHPP) on river Vođenički potok, Nord Electro, 2015. (member of working team)
61. Preliminary assessment of the possibilities for using hydropower potential of the Crnja river, the municipality of Rožaje, 2015. (member of working team)
62. Idea solution for small hydropower plant (SHPP) on river Meteška, Normal Company, 2015. (member of working team)
63. Idea solution for small hydropower plant (SHPP) on river Bukeljka, Artek Ltd. , 2015. (member of working team)
64. Idea solution for small hydropower plant (SHPP) on river Lazanjska, Erlang Ltd. , 2015. (member of working team)
65. Preliminary assessment of the possibility of using the hydropower potential of river Bukovica, municipality Šavnik, 2016, (member of working team)

	66. Preliminary assessment of the possibility of using the hydropower potential of watercourses for SHPP Perućica, municipalities Andrijevića, 2016. (member of working team) 67. Idea solution for small hydropower plant (SHPP) on river Mišnjića potok, 2016. (member of working team) 68. Idea solution for small hydropower plant (SHPP) on river Bukovička Vrela, Water group Ltd., 2016. (member of working team) 69. Preliminary assessment of the possibility of using the hydropower potential of river Bjelojevička, municipality Mojkovac, 2016, (member of working team) 70. Main design for Meteh SHPP, Kronor doo, Podgorica, 2016, (member of working team) 71. Main design of the wind park “Možura”, Možura wind park Ltd., 2016. (member of working team) 72. Main design for small hydropower plant (SHPP) on river Ljevak, Simes engineering Ltd., 2016, (member of working team) 73. Main design of the SHPP „Bistrica Lipovska“, BB Hidro, 2017, (member of working team) 74. Main design of the SHPP „Đurička 1&2 “, Plawa Hidro Power, 2017, (member of working team) 75. Revision of Idea Project of SHPP “Slap Zete” , Zeta Energy Ltd, 2017, (member of working team) 76. Revision of Idea Project of SHPP “Glava Zete” , Zeta Energy Ltd, 2017, (member of working team) 77. Main design of the SHPP „Bjelojevička 1“, C&S Energy, 2018, (member of working team) 78. Main design of the SHPP „Bjelojevička 2“, C&S Energy, 2018, (member of working team) 79. Main design of the SHPP “Slatina”, BB Hidro, 2019, (member of working team) 80. Revision of Main design of SHPP “Slap Zete” , Zeta Energy Ltd, 2019, (member of working team) 81.	
15.	Memberships	
	Member of IAHR (International Association for Hydro-Environment Engineering and Research) since January 2009 Member of Engineering Chamber of Montenegro since December 2009 Member of CG KO CIGRE since January 2012	
16.	Awards	

University of Montenegro recognition award for the achieved results and contribution to the development of scientific research and professional work at the Faculty of Mechanical Engineering in 2018

Annual award from Engineering Chamber of Montenegro for achievements in professional activities in 2013

Uroš Karadžić

Signature

28.10.2019.

Date

UNIVERZITET CRNE GORE
Mašinski fakultet
Komisija za doktorske studije
Podgorica, 25.11.2019.

-VIJEĆU MAŠINSKOG FAKULTETA-

U skladu sa Pravilima doktorskih studija i Vodičem za doktorske studije (tačka 3.3) , u prilogu dostavljamo Obrasce M, za potrebe određivanja mentora doktorantima koji su upisali studije 2019/20 godine.

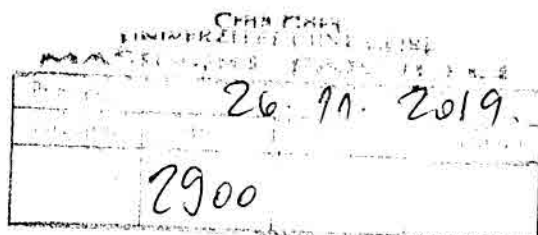
Komisija za doktorske studije je na sjednici održanoj 25. 11. 2019. razmatrala dostavljene obrasce/predloge, i nakon konsultacija, uzevši u obzir želje kandidata kao i naučne oblast i reference potencijalnih mentora, utvrdila sledeći predlog:

KANDIDAT	MENTOR	DODATNI MENTOR (KOMENTOR)
Vuko Kovijanić	Prof. dr Uroš Karadžić (oblast: Termo i hidro energetika)	-
Boris Marković	Prof. dr Janko Jovanović (oblast: Mašinski element i konstruisanje mašina)	-

Komisija je konstatovala da je dostavljeni material u skladu sa svim normama definisanim u Pravilima doktorskih studija, pa **predlaže Vijeću Mašinskog fakulteta da usvoji inicijalni predlog Komisije i isti dostavi Odboru za doktorske studije UCG na dalje postupanje.**

Srdačno,

Komisija za doktorske studije



Prof. dr Aleksandar Vujović

Prof. dr Uroš Karadžić

Prof. dr Mileta Janjić

Prof. dr Vlado Pajković

Prof. dr Radoslav Tomović