

Табела 1. Подаци о наставницима Факултета техничких наука у Косовској Митровици потребни за унапређење сајта факултета

Име и Презиме	Живче Шаркоћевић
Звање	Ванредни професор
Катедра	Конструкције и механизација
Стручни назив	Доктор наука – машинско инжењерство
Ужа научна област	Машинске конструкције
Датум избора у звање	24.05.2021. године
Предмети које наставник држи на основним, мастер и докторским студијама (по акредитацији из 2021. године)	20.ОМ8 <u>Инжењерска графика</u> 20.ОМ36 <u>Управљање транспортом</u> 20.ОМ39 <u>Управљање пројектима</u> 20.ОМ33 CNC Програмирање 20.ОМ27 Транспортне особине робе 20.ОМ50 Брза израда прототипова 20.ОМ113 Непрекидни и аутоматски транспорт 20.ОZ22 Процена безбедности радног места 20.ММ24 Савремени обрадни системи 20.ДМ22 Нумеричка симулација заварених спојева 20.ДМ32 Корозија и заштита материјала 20.ДМ41 Методе испитивања чврстоће судова под притиском
Збирни подаци научне, односно уметничке и стручне активности наставника – подаци који ће бити приказани на почетној страни (на сајту факултета) за наставника	
Укупан број радова по категоријама	
Категорија	Број радова
M21	4
M22	5
M23	5
M24	6
M41	1
M14	1
M51	16
M52	13
M33	35
M63	17
Цитираност	
Укупан број цитата: 78 према SCOPUS-у, 180 према Research gate	
h-index: 7	
Веб-сајтови и друштвене мреже (Scopus, ORCID, Google scholar, Research gate ...)	
https://orcid.org/0000-0001-5110-6620	
Google scholar	
Research gate	
Библиографија – подаци који ће се приказати за наставника кликом на	

одговарајући линк на сајту факултета

Радови у часописима са SCI листе

1. Mladen Radojković, Ivica Čamagić, Živče Šarkočević, Predrag Živković, Zoran Golubović: „[Stress distribution on an isotropic plate with a rectangular opening under niaxial tension load](#)“, STRUCTURAL INTEGRITY AND LIFE (ISSN 1451-3749), (COBISS.SR-ID 181616135), Vol. 21, No.1 (2021), pp. 91–94
2. Aleksandar Mićović, Mirko Komatina, Nenko Brkljač, Živče Šarkočević, Ivica Čamagić, Zoran Golubović: „[Evaluation of heating efficiency and thermal comfort in special purpose vehicle canins](#)“ Thermal Science 25 (10): 172-172, DOI:10.2298/TSCI201103172M, January 2021.
3. Radzeya Zaidia, Aleksandar Sedmaka, Snezana Kirin, Aleksandar Grbovica, Wei Lic, Ljubica Lazic Vulicevic, [Zivce Sarkocevice:](#)”[Risk assessment of oil drilling rig welded pipe based on structural integrity and life estimation](#)”, Engineering Failure Analysis 112 (2020) 104508, Available online 10 March 2020, 1350-6307/ © 2020 Published by Elsevier Ltd. <https://doi.org/10.1016/j.engfailanal.2020.104508> (IF=2,897; 37/130)
4. Snežana Kirin, Aleksandar Sedmak,*, Radzeya Zaidi, Aleksandar Grbović, Živče Šarkočević, “[Comparison of experimental, numerical and analytical risk assessment of oil drilling rig welded pipe based on fracture mechanics parameters](#)”, Engineering Failure Analysis 114 (2020) 104600, Available online 23 May 2020, 1350-6307/ © 2020 Published by Elsevier Ltd.<https://doi.org/10.1016/j.engfailanal.2020.104600> (IF=2,897; 37/130)
5. Međo B., Rakin M., Arsić M., Šarkočević Ž., Zrilić M., Putić S. : “[Determination of the Load Carrying Capacity of Damaged Pipes Using Local Approach to Fracture](#)”, Materials Transactions. JIM, (ISSN 1345-9678), 2012, Vol. 53, No.1, pp. 185-190, (IF=0.787 za 2010., petogodišnji IF=0.826), <http://www.jim.or.jp/journal>.
6. Međo B., Rakin M., Gubeljak N., Matvienko Y. Arsić M., Šarkočević Ž., Sedmak A. : “[Failure resistance of drilling rig casing pipes with an axial crack](#)”, Engineering Failure Analysis (EFA 2582), (ISSN 1350-6307), <http://dx.doi.org/10.1016/j.engfailanal.2015.05.015>, 2015, Vol. 58, pp. 429-440, (IF=1.173-2013, petogodišnji IF=1,173), 2007-2013), Publisher by Elsevier, <http://www.elsevier.com/locate/engfailanal>
7. **A.Sedmak, M.Aršić, Ž.Šarkočević, B.Medjo, M.Rakin, D.Aršić, V.Lazić:** “[Remaining strength of API J55 steel casing pipes damaged by corrosion](#)”, International Journal of Pressure Vessels and Piping, Volume188, December 2020, 10420, © 2020 Elsevier Ltd. <https://doi.org/10.1016/j.ijpvp.2020.104230> (IF=2,23; 55/130)
8. Sedmak, A. Grbović, S. Kirin, Ž. Šarkočević, R. Zaidi: “[Material Effects on Risk Assessment of Residual Life of Oil Drilling Rig Pipe](#)”, Procedia Structural Integrity 28 (2020) 1315–1320 © 2020 Published by Elsevier B.V, <https://creativecommons.org/licenses/by-nc-nd/4.0>
9. Srđan Jović, Aleksandar Radović, Živče Šarkočević, Dalibor Petković, ·Meysam Alizamir: “[Expression of Concern: Estimation of the laser cutting operating cost by support vector regression methodology \(Editorial Material\)](#)”,

Applied Physics A, Materials Science & Processing, (ISSN 0947-8396), Volume 125, Number 3, Appl. Phys. A (2019)125:335, <https://doi.org/10.1007/s00339-019-2423-1>(IF=1,810; 90/155)

10. Dragan Lazarević, Bogdan Nedić, Srđan Jović, Živče Šarkočević, Milan Blagojević: “Optical inspection of cutting parts by 3D scanning”, *Physica A: Statistical Mechanics and its Applications*, 2019, DOI: <https://doi.org/10.1016/j.physa.2019.121583>, ISSN: 0378-4371 Available online 13 June 2019. http link: <https://www.sciencedirect.com/science/article/pii/S0378437119307228?via%3Dhub>. (IF=2,925; 27/85)
11. Srđan Jović, Aleksandar Radović, Živče Šarkočević, Dalibor Petković·Meysam Alizamir: “Estimation of the laser cutting operating cost by support vector regression methodology”, *Applied Physics A, Materials Science & Processing*, (ISSN 0947-8396), Volume 122, Number 9, Appl. Phys. A (2016) 122:1-5, [DOI 10.1007/s00339-016-0287-1](https://doi.org/10.1007/s00339-016-0287-1)
12. Lazarevic Dragan D,Nedic Bogdan P, Marusic Vlatko, Misic Milan, Sarkocevic Zivce S: “Regenerating the Nc Code in Order to Improve the Surface Quality (Article)”, TEHNICKI VJESNIK-TECHNICAL GAZETTE, (2017), vol. 24 br. , Suppl. 2, str. 355-362 (IF=0,67; 80/91)
13. Jović, S.; Lazarević, M.; Šarkočević, Ž.; Lazarević, D.: “Prediction of Laser Formed Shaped Surface Characteristics Using Computational Intelligence Techniques”, Lasers in Engineering (Old City Publishing) . 2018, Vol. 40 Issue 4-6, pp 239-251. 13p. (IF=0,538; 299/314) [LIE 40.4-6, p. 239-251 – Old City Publishing](#)
14. Šarkočević Ž., Arsić M., Medjo B., Kozak D., Rakin M., Burzić Z., Sedmak A. : „Damage Level Estimate of API J55 Steel for Welded Seam Casing Pipes“, *Strojarstvo*, (ISSN 0562-1887), Vol. 51, No. 4, 2009, pp 303-311, (IF=0.048 za 2009., petogodišnji IF=0.198 za 2010.), [51_4_303_311.pdf](#)
15. Lazić Vulicević Lj, Arsić M., Šarkočević Ž., Sedmak A., Rakin M. : “Structural Life Assessment of Oil Rig Pipes Made of API J55 Steel by High Frequency Welding”, *Tehnički vjesnik / Technical Gazette*, (ISSN 1330-3651), Publisher: Technical faculties of the Josip Juraj Strossmayer University of Osijek (UNIOS), Vol. 20, No. 6, 2013, pp 1091-1094 (IF=0.601 za 2012.), <http://hrcak.srce.hr/tehnicki-vjesnik>.
16. Ruzica Nikolic, Dusan Arsic, Aleksandra Arsic, Zivce Sarkocevic, Dragan Cvetkovic, & Branislav Hadzima. (2020). “The Fault Tree Analysis of Causes of the Welded Pipes Failures in Exploitation.”, *Communications - Scientific Letters of the University of Zilina*,22(1), 62-70. Retrieved from <http://komunikacie.uniza.sk/index.php/communications/article/view/1534>
17. Arsić M., Bošnjak S., Sedmak S., Šarkočević Ž., Savić Z., Radu D.:“Determination of damage and repair methodology for the runner manhole of kaplan turbine at the hydro power plan „Djerdap 1““, Structural Integrity and life, (ISSN 1451-3749), (COBISS.SR-ID 181616135), UDK/UDC:620.179:321.224.35-112.81, Vol. 16, No 3, (2016), pp. 149-153. (Online), www.divk.org.rs/ivk
18. Šarkočević Ž., Arsić M., Rakin M., Međo B., Mišić M. : "Otpornost na

[koroziju zavarenih cevi u naftnim bušotinama](#), Zaštita materijala / Materials Protection, (ISSN 0351-9465), (COBISS.SR – ID 4506626), Publisher: Inženjersko društvo za koroziju, 2013, Vol.54, br.1, str. 57-63, <http://www.sitzam.org.rs/zm/>

19. Šarkočević Ž., Arsić M., Sedmak A., Međo B., Mišić M. : "[Assessment of the Integrity of welded pipes](#)", Materials Protection / Zaštita materijala, (ISSN 0351-9465), (COBISS.SR – ID 4506626), Editor in Chief: Prof. dr Časlav Lačnjevac, Publisher: Inženjersko društvo za koroziju, 2014, Vol.55, br.3, str. 287-292, <http://www.sitzam.org.rs/zm/>
20. Vuliević-Lazić Lj., Grbović A., Sedmak A., Šarkočević Ž: [Fatigue life prediction of casing welded pipes by using the extended finite element method](#), Frattura ed Integrità Strutturale, 36 (2016)46-54 DOI 10.3221/IGF-ESIS 36.05

Радови у часописима ван SCI листе

1. M. Arsić, V. Grabulov, Z. Savić, S. Bošnjak, [Ž. Šarkočević](#): "CAUSE OF LAMELLAR TEARING OF PARENT MATERIAL AND DEGRADATION OF WELDED JOINTS AT VITAL WELDED STRUCTURES OF THE TURBINE AT HYDRO POWER PLANT „ĐERDAP I“, Međunarodno savetovanje Energetika 2018., Energija (Energija, ekonomija, ekologija), (ISSN 03540-8651), UDC 620.9. Izdavač: Savez energetičara, 2018, Vol.19, br.1-2, str.129-133, <http://www.savezenergeticara.org.rs>
2. M. Arsić, M. Mladenović, Z. Savić, S. Bošnjak, [Ž. Šarkočević](#): "TEHNICAL DIAGNOSTICS OF THE CONDITIONS OF DRILL PIPES AND OIL AND GAS TRANSPORT PIPELINES“, Međunarodno savetovanje Energetika 2018., Energija (Energija, ekonomija, ekologija), (ISSN 03540-8651), UDC 620.9. Izdavač: Savez energetičara, 2018, Vol.19, br.1-2, str.411-414, <http://www.savezenergeticara.org.rs>
3. AleksićVujadin, ArsićMiodrag, [ŠarkočevićŽivče](#): „Oštećenja i posledice korozije metala u prednapregnutim betonskom konstrukcijama“Zaštita materijala”, vol. 46, br. 4, str. 35-38, 2005
4. Arsić M., Sedmak A., Savić Z., [Šarkočević Ž.](#): "Influence of Local Damage of Pipe Elbows on the Integrity and Reliability of Welded Pipelines/Influenta degradarilor locale a conturilor conductelor asupra integritatii si fiabilitatii conductelor sudate“, Welding & Material Testing / Sudarea si Incercarea Materialelor, (ISSN 1453-0392),Publisher: House Sudarea, 2010, Vol. 19, No. 4, pp. 40-44, Services for Structural Integrity of Welded Structures, National R & D Institute for Welding and Material Testing-ISIM, Timisoara, Romania, <http://www.isim.ro>.
5. Arsić M., [Šarkočević Ž.](#), Rakin M., Mladenović M., Veljović A., Z. Andđelković: "Analiza uzroka otkaza zavarenih cevi u naftnoj industriji", Međunarodno savetovanje Energetika 2010.,Energija (Energija, ekonomija, ekologija), (ISSN 3554-8651), Izdavač: Savez energetičara, 2010, Vol.12, br.3, str.121-130, <http://www.savezenergeticara.org.rs>
6. Arsić M., Odanović Z., Mladenović M.,Savić Z., Milovanović N., [Šarkočević Ž.](#) : "Kompleksnost izrade projekta revitalizacije tubinske i hidromehaničke

opreme hidroelektrana", *Međunarodno Savetovanje Energetika 2011, Energija (Energija, ekonomija, ekologija)*, (ISSN 0354-8651), 2011, Vol.13, br.2, str. 73-78, <http://www.savezenergeticara.org.rs>

7. Rakin M., Medjo B., Arsić M., Šarkočević Ž., Ivanović I., Sedmak A. : "API J55 Steel Casing Pipe with an Initial Surface Crack under Internal Pressure - Determination of Fracture Parametters", *Key Engineering Materials*, (ISSN 1013-9826), 2012, Vol. 488-489, pp. 577-580, Selected peer reviewed papers from the 10th International Conference on Fracture and Damage Mechanics (FDM 2011), September 2011, Dubrovnik, Croatia, doi:10.4028/www.scientific.net/KEM.488-489.577, Onlineavailable in full text at www.scientific.net/KEM.488-489 (baze KoBSON, SCOPUS).
8. Arsić M., Vistać B., Savić Z., Šarkočević Ž., Andelković Z.: "Damage cause analysis and reparation of the synchronous valve casing of hydroelectric generating set a1 on hydro power plant pirot", *Međunarodno Savetovanje Energetika 2012, Energija (Energija, ekonomija, ekologija)*, (ISSN 0354-8651), 2012, Vol. 14, br. 1-2, str. 227-232, <http://www.savezenergeticara.org.rs>.
9. Arsić M., Savić Z., Lazić V., Arsić D., Šarkočević Ž., : "Effect of enhanced mechanical properties of weld metal and Heat Affected Zone on the Strength of the welded joint", *Međunarodno Savetovanje Energetika 2013, Energija (Energija, ekonomija, ekologija)*, (ISSN 0354-8651), Publisher: Savez energetičara, 2013, Vol. 15, br. 1-2, str. 303-307, <http://www.savezenergeticara.rs>
10. Stojčetović B., Šarkočević Ž., Mišić M. : „Potential of renewable energy sources in Serbia”, *Međunarodno Savetovanje Energetika 2014, Energija (Energija, ekonomija, ekologija)*, (ISSN 0354-8651), Publisher: Savez energetičara, 2014, Vol. 16, br. 1-2, str. 392-397, <http://www.savezenergeticara.rs>
11. Rakin M., Medjo B., Arsić M., Šarkočević Ž., Sedmak A. : "Effect of Exploitation and Flaw Geometry on the Load Carrying Capacity of Casing Pipes for Oil Drilling Rigs", *Key Engineering Materials*, (ISSN 1013-9826), Publisher: Trans Tech Publications, Switzerland, 2014, Vol. 601, pp. 65-70, Selected peer reviewed papers of the 14th International Symposium on Experimental Stress Analizysis and Materials Testing, May 23 - 25, 2013, Timisoara, Romanija, Editor: Liviu Marsavina, doi:10.4028/www.scientific.net/KEM.601.65, <http://www.scientific.net/KEM.601.65>,(KoBSON, SCOPUS).
12. Dimić I., Medjo B., Rakin M., Arsić M., Šarkočević Ž., Sedmak A. : "Failure prediction of gas and oil drilling rig pipelines with axial defects", *Procedia Materials Science*, Publisher: Elsevier (ISSN: 2211-8128), 2014, Vol. 3, pp. 955-960, Selection and peer reviewed under responsibility of the 20th European Conference on Fracture (ECF20), Norwegian University of Science and Technology (NTNU), Department of Structural Engineering, doi:10.1016/j.mspro.2014.06.155,
13. Stojčetović B., Šarkočević Ž., Mišić M.,: „Energy resources and energy security of Serbia „, *Međunarodno Savetovanje Energetika 2015, Energija (Energija, ekonomija, ekologija)*, (ISSN 0354-8651), Publisher: Savez

energetičara, 2015, Vol. 16, br. 1-2, str. 112-116,
<http://www.savezenergeticara.org.rs>

14. Šarkočević Ž, Stojčetović B, Mišić M, Rakin M, MeđoB,: „Manufacturing defects and failures in exploitation of welded pipes“, Međunarodno Savetovanje Energetika 2016, Energija (Energija, ekonomija, ekologija), (ISSN 0354-8651), Publisher: Savez energetičara, 2016, (prihvaćen rad) Vol. __, br. __, str. __ - __, <http://www.savezenergeticara.org.rs>
15. Stojčetović B., Bogdanović D, Nikolić Dj, Šarkočević Ž., Mišić M., Marković R.,: „Multi criteria decision making methods in renewable sector“, Međunarodno Savetovanje Energetika 2016, Energija (Energija, ekonomija, ekologija), (ISSN 0354-8651), Publisher: Savez energetičara, 2016, (prihvaćen rad) Vol. __, br. __, str. __, <http://www.savezenergeticara.org.rs>
16. Arsić M., Veljović A., Šarkočević Ž., RakinM., Z. Radaković Z. : "Implementation of European Directives on Energy", Energija, ekonomija, ekologija,(ISSN 0354-8651), UDC 620.9, 2009, Vol.11, br.1-2, str. 14-18, <http://www.savezenergeticara.org.rs>
17. Terzić, S., Lazarević, D., Nedić, B., Šarkočević, Ž., Dedić, J., MACHINING CONTACT AND NON-CONTACT INSPECTION TECHNOLOGIES IN INDUSTRIAL APPLICATION, *Journal of Production Engineering*, Vol.21 (2018), Number 1, UDK 621, ISSN 1821-4932 pp. 55-60, FACULTY OF TECHNICAL SCIENCES, DEPARTMENT OF PRODUCTION ENGINEERING, NOVI SAD, SERBIA, <http://doi.org/10.24867/JPE-2018-01-055>
18. Stojčetović B., Mišić M., Šarkočević, Ž., Marković, R., Energetska bezbednost opštine Štrpce – istraživanje stava lokalnog stanovništva, Energija, ekonomija, ekologija, 2017 (3-4), 190-195, UDC: 621.31.1 (497.11), ISSN 0354-8651.
19. Stojčetović B., Mišić M., Šarkočević, Ž., Marković, R., Potencijali obnovljivih izvora energije opštine Štrpce – poseban osvrt na hidro potencijale, Energija, ekonomija, ekologija, 2017 (3-4), 184-189 UDC: 620.91:621.22 (497.11), ISSN 0354-8651.
20. Bojan Stojčetović, Živče Šarkočević, Dragan Lazarević, Jasmina Dedić,: "OCENA I RAZVOJ STRATEGIJA ZA ODRŽIVO ENERGETSKO PLANIRANJE U SRBIJI PRIMENOM SWOT-AHP METODOLOGIJE", XXXV Međunarodno savetovanje Energetika 2020, „ 21-24. jun 2020. godine, HotelPalisad, Srbija, Conference proceedings, Energija, ekonomija, ekologija, 2020, ISSN 0354-8651, COBISS.SR-ID 15460873, pp.24-29, www.savezenergeticara.org
21. Milovanović A., Sedmak A., Milosavljević A., Burzić Z., Šarkočević Ž.: "Eksperimentalno istraživanje ponašanja zavarenih posuda pod pritiskom sa prslinom", *Zavarivanje i zavarenkonstrukcije*, (ISSN 0354-7965), (COBISS.SR-ID 105396743), 2000, Vol. 45, br.1, str. 9-12, <http://www.duzs.org.rs>
22. Šarkočević Ž., Sedmak A., Arsić M., Milovanović A., Aleksić V. :“Mehanička ispitivanja zavarenih spojeva šavnih cevi“, *Procesna tehnika*, br.1, 2001, str. 134-137).
23. Arsić M., Aleksić V., Šarkočević Ž. :“Uticaj parametara zavarivanja na tvrdoću zavarenih spojeva šavnih cevi od čelika povisene čvrstoće“, *Procesna*

- tehnika*, br. 1, 2002, str. 107-117.
24. Arsić M., Šarkočević Ž., Aleksić V., Andđelković Z.: "Uticaj parametara zavarivanja na kvalitet šavnih cevi", *Procesna tehnika*, br.1, 2004, str. 104-108
 25. Šarkočević Ž., Arsić M., Rakin M., Sedmak A. : "Izrada šavnih ceviod čelika povišene čvrstoće i ispitivanje pokazatelja kvaliteta", *Integritet i vekkonstrukcija*, (ISSN 1451-3749), (COBISS.SR-ID 181616135), 2008, Vol. 8, br.2, str. 81-98, EISSN 1820-7863 (Online), www.divk.org.rs/ivk
 26. Šarkočević Ž., M, Arsić, Rakin M., Međo B., Mladenović M., Jaković D. : "Uticaj parametara EPP postupka zavarivanja na mehaničke osobine spiralno zavarenih cevi od čelika API X60", *Zavarivanje i zavarene konstrukcije*, (ISSN 0354-7965),(COBISS.SR-ID 105396743), 2009, Vol. 54, br.4, str. 141-147, <http://www.duzs.org.rs>.
 27. Šarkočević Ž., Arsić M., Lazić-Vulićević Lj., Savić Z.: "Mehaničke osobine zavarenih cevi izrađenih visokofrekventnim postupkom zavarivanja od čelika API J55", *Zavarivanje i zavarene konstrukcije*, (ISSN 0354-7965), Izdavač: Društvo za unapređenje zavarivanja u Srbiji (DUZS), 2010, Vol. 55, br. 4, str. 137-142, <http://www.duzs.org.rs>..
 28. Šarkočević Ž., Arsić M., Mišić M., Lazarević D., Stojčetović B., *Korozija zaštitnih cevi (Corrosion protective tube)*, Crnogorsko drustvo za koroziju, zastitu materijala i zastitu zivotne sredine, Časopis: Zaštita materijala i životne sredine (2014), broj 2, UDK 621.643.2:551.3.053, 103-107, Naučni rad, CIP - Katalogizacija u publikaciji Централна народна библиотека Црне Горе, Цетиње UDK 620.1:502, ISSN 1800-9573, COBISS.CG-ID 20193296, Podgorica, Decembar 2014
 29. Стојчетовић Б., Шаркоћевић Ж., Марјановић Д.: „Став младих српске националности на Косову и Метохији према предузетништву“, Економски погледи, (2015) (ISSN 1450-7951), Online (ISSN 2334-7570),Vol. 17, број 1/2015, стр. 121-132

Радови са међународних конференција

1. M. Rakin, B. Međo, M. Arsić, Ž. Šarkočević, A. Sedmak: "Effect of exploitation conditions and flaw geometry on the load carrying capacity of casing pipes for oil drilling rigs". 14th Symposium on Experimental Stress Analysis and Materials Testing with the Occasion of 90 Years of Strength of Materials Laboratory, 23 - 25 May 2013, Timisoara, Romania.
2. Jelena Stanojković, Miroslav Radovanović, Dragan Lazarević, Živče Šarkočević, Ivica Čamagić: "[EFFECT OF CUTTING PARAMETERS ON SURFACE ROUGHNESS DURING END MILLING OF AL 6082-T6 USING RSM](#)", Theory to Practice as a Cognitive, Educational and Social Challenge, 17-18 September 2020, Kosovska Mitrovica, pp 209-216.
3. Dragan LAZAREVID, Bogdan NEDID, Milan RADENKOVID, Živče ŠARKOČEVIC, Bojan STOJČETOVID:["PRIMENA OPTIČKIH BESKONTAKTNIH MERNIH SISTEMA KOD INSPEKCIJE DELOVA DOBIJENIH OBRADOM REZANJEM"](#), 37th International Conference on Production Engineering Of Serbia - ICPE-S 2018 PROCEEDINGS, ISBN: 978-86-6335-057-1, 25 – 26 October 2018, Kragujevac, Serbia, pp 165-173

4. Dragan Lazarević, Bogdan Nedić, Živče Šarkočević, Ivica Čamagić, Jasmina Dedić: "THE DEVELOPMENT OF OPTICAL SYSTEMS FOR ON-MACHINE INSPECTION OF PARTS MADE WITH MACHINING PROCESS, PROCEEDINGS OF THE 4th INTERNATIONAL SCIENTIFIC CONFERENCE" "Conference on Mechanical Engineering Technologies and Applications" COMETa2018, pp. 203-210, ISBN 978-99976-719-4-3, COBISS.RS-ID 7818520, East Sarajevo – Jahorina, 27th-30th November, 2018.
5. Bojan Stojčetović, Đorđe Nikolić, Živče Šarkočević, Aleksandar Đorđević, Bojan Prlinčević, "[RENEWABLE ENERGY SOURCES FOR IMPROVEMENT OF ELECTRICITY QUALITY SUPPLY IN ŠTRPCE MUNICIPALITY](#)", Proceedings: 3st International conference on Quality of Life, Center for Quality, Faculty of Engineering, University of Kragujevac, pp. 201 - 204, isbn: 978-86-6335-056-4, udc: -, doi: -, issn: -, 28-30, November 2018, Kopaonik, Serbia.
6. Bojan Stojčetović, Živče Šarkočević, Dragan Lazarević, Aleksandar Đorđević, Goran Stojanović, "[MEASURES FOR IMPROVING THE QUALITY OF ELECTRICITY SUPPLY IN ŠTRPCE](#)", Proceedings: 3st International conference on Quality of Life, Center for Quality, Faculty of Engineering, University of Kragujevac, pp. 205 - 208, isbn: 978-86-6335-056-4, udc: -, doi: -, issn: -, 28-30, November 2018, Kopaonik, Serbia.
7. Živče Šarkočević, Miodrag Arsić, Mladen Mladenović, Vencislav Grabulov, Zoran Savić [APPLICATION OF NON-DESTRUCTIVE TEST FOR INTEGRITY EVALUATION OF PIPES AND PIPELINES IN OIL INDUSTRY](#), Savetovanje sa međunarodnim učešćem "IBR 2018", SERBIAN SOCIETY FOR NONDESTRUCTIVE TESTING, pp. 85- 89, ISBN: 978-86-900397-0-8, udc: -, doi: -, issn: -, 18-20 April 2018, Srebrno jezero, Serbia
8. Miodrag Arsić, Srđan Bulatović, Mladen Mladenović, Živče Šarkočević, Zoran savić: [Bucket-wheel excavator gearbox fail u reanalysis and reliability assessment](#), XXIII International conferenceon "material handling, constructions and logistics", ISBN 978-86-6060-020-4, MHCL 2019, Belgrade, September 18th-20th, 2019, Vienna Austria.
9. Srđan Bulatović, Živče Šarkočević, Mladen Mladenović: "MECHANICAL PROPERTIES OF WELDED PIPES PRODUCED BY HIGH FREQUENCY WELDING OF THE STEEL API J55" 14th International Conference on Accomplishments in Mechanical and Industrial Engineering, ISBN 978-99938-39-36-1, Banja Luka, 24 - 25 May 2019
10. Dragan Lazarević, Bogdan Nedić, Živče Šarkočević, Ivica Čamagić, Jasmina Dedić; "METHODS OF INTEGRATING MODERN MEASURING DEVICES ON MACHINING SISTEMS".- 14th International Conference on Accomplishments in Mechanical and Industrial Engineering, ISBN 978-99938-39-36-1, Banja Luka, 24 - 25 May 2019
11. Dušan Arsić, Ružica Nikolić, Aleksandra Arsić, Živče Šarkočević, Dragan Cvetković: [Failure prevention and service life extension of welded pipes in oil industry](#) Conference: 24th International Seminar "SEMDOK 2019", At Zuberec, Western Tatras, Slovakia, January 30- February 01, 2019.:

<https://www.researchgate.net/publication/330901551>

12. Stojčetović, B., Šarkočević Ž., Mišić M., Jovanović M., [Renewable energy sources impacts on environment](#), XXIV International Conference "ECOLOGICAL TRUTH" ECO-IST '16, Vrnjačka Banja, Serbia, 12 - 15 June, 2016, str. 515-520. ISBN 978-86-6305-043-3
13. Stojčetović B., Šarkočević, Ž., [Small hydro power plants impacts on quality of life in Štrpc – survey](#), 7th International Symposium on Environmental and Material Flow Management, Bor, Serbia, 2017, str. 165-171, ISBN 978-86-6305-071-6.
14. Šarkočević, Ž., Stojčetović, B., Jović, S., Lazarević, D., [Corrosion processes in the oil and gas industry and methods for their mitigation](#), XIX YuCorr International conference, Meeting Point of the Science and Practice in the Fields of Corrosion, Materials and Environmental Protection, 2017.
15. Šarkočević, Ž., Stojčetović, B., Marković, S., Lazarević, D., [SWOT analysis of potential projects of renewable energy sources in the municipality of Štrpc](#), 27th international conference ecological truth and environment research, Bor lake, Serbia, 18-21 June, str. 459-465. ISBN 978-86-6305-097-6
16. Šarkočević, Ž., Lazarević, D., Čamagić, I., Radojković, M., Stojčetović, B., [The pipeline defect assessment manual – short review](#), XXI YuCorr, Serbian society of corrosion and materials protection, Tara Mountain, Serbia, September 17-20, 2019, str. 161-166. ISBN 978-86-82343-27-1
17. Arsić M., Šarkočević, Ž., Odanović Z., M. Mladenović, A. Veljović, Z. Savić: "Measure for Damage Prevention and Service Life Extension of Welding Pipes in Oil Industri", *3rd International Symposium ENERGY MINING 2010 "Energy Mining, New Technologies, Sustainable Development"*, (ISBN 978-86-7352-215-9), (COBISS.SR-ID 177893388), Publisher: Univerzitet u Beogradu, Rudarsko-geološki fakultet, Banja Jauković, APATIN, 8-11 September 2010, pp. 255-263.
18. Arsić M., Šarkočević Ž., Odanović, Z. Burzić M., Rakin M., Međo B.: [Failure Resistance Analysis of API J55 Steel Welded Pipes](#), *The 2nd South-East European IIW International Congress "Welding - HIGH - TECH Technology in 21st century", PIPELINE WELDING: current topic of the region*, (ISBN 978-954-9322-25-5), Publisher: Bulgarian Welding Society, Sufia, Bulgaria, 21-24 October 2010, pp. 107-112.
19. Arsić M., Šarkočević Ž., Z. Savić, A. Sedmak, R. Karić: "Environment effects of fractures of corrosion-damaged welded pipes in oil and gas wells", *The 8th International Conference "Structural integrity of welded structures"*, (ISSN 1842-5518), Publisher: House Sudarea, Timisoara, Romania, 4-5 October 2010, pp. 91-99, <http://www.isim.ro>.
20. Međo, M. Rakin, M. Arsić, Ž. Šarkočević, A. Sedmak: Micromechanical approach to integrity assessment of surface damaged pipes. Proceedings of the 3rd Serbian (28th Yu) Congress on Theoretical and Applied Mechanics, Vlasina Lake, pp. 645-654 (2011)
21. Savić Z., Arsić M., Mladenović M., Bajić N., Šarkočević Ž. : "Implementation of European Directives Regarding the General Approach to Standardization and Technical Regulations in Hydropower Plants", Proceedings of the *Integrated International Symposium - TIORIR '11 (8th International*

Symposium Mine Haulage and Hoisting ISTI '11, International Symposium Sustainable Development of Mining and Energy Industry ORRE '11, 3rd International Conference History of Mining in the Central Europe IRSE '11), (ISBN 978-81-8487-152-4), (COBISS.SR-ID 185943820), Editor: Prof. dr. Miloš Grujić, September 2011, Zlatibor, Vol.1, Session ORRE, pp. 331-338.

22. Rakin M., Medjo B., Arsić M., Šarkočević Ž., Grabulov V., Sedmak A. : "Damage and Failure Assessment of Pipes with Local Thin Areas", Proceedings of the *First International Conference on Damage Mechanics - ICDM* (ISBN 978-86-86115-09-6, ISBN 978-86-7518-153-8), (COBISS.SR-ID 190448140), Editors: Chi L. Chow, J. Woody Ju, Dragoslav M. Šumarac, June 2012, Belgrade, Serbia, pp. 281-284.
23. Rakin M., Arsić M., Šarkočević Ž., Medjo B., Tomović N., Sedmak A. : "Damaged Welded Pipes for Oil and Gas Rigs Exposed to Internal Pressure - Failure Estimation", Proceedings of the *19th European Conference on Fracture - ECF 19 (European Structural Integrity Society - ESIS), Fracture Mechanics for Durability Reliability and Safety*, (ISBN 978-5-905576-18-8), August 2012, Kazan, Russia, file //G:\ CDECF 19 Kazan\contet\contet_07.html (pp.1-7).
24. M. Rakin, M. Arsić, B. Međo, Ž. Šarkočević, A. Sedmak: „Structural integrity assurance of casing pipes in oil and gas industry“. Proceedings of the 5th International Conference on Safety and Security Engineering SAFE 2013, Rome, pp 401-410 (2013)
25. Stojčetović B., Mišić M., Šarkočević Ž. „Quality tools in project management”, *7th international quality conference, Center for quality*, (ISBN: 978-86-86663-94-8), Faculty of engineering, University of Kragujevac, 2013, pp. 153-158
26. Arsić M., Mladenović M., Kovačević Z., Savić Z., Šarkočević Ž. : "Analysis Regarding the Causes of Damage Occurrence at Runner Blades and Runner Shield of Hydroelectric Generating Set A6 at HPP „Djerdap 1“, Proceedings of the *VIth International Metallurgical Congress Ohrid 2014*, (ISBN 978-9989-9571-6-1), May29– June 01, 2014, Ohrid, Republic of Macedonia, FilesontheCD (pp.1-5), Organized and Publisher: Macedonian union of metallurgists (under the auspices of the Ss. Cyril and Methodius University in Skopje, Faculty of Technology and Metallurgy, Economic Chamber of Macedonia), <http://www.tmf.ukim.edu.mk/cmum14>
27. Stojčetović B., Mišić M., Šarkočević Ž., Lazarević D., Marjanović D. : „Managing of risks and quality in projects”, *8th International Quality Conference, Center for quality*, (ISBN 978-86-6335-004-5), Faculty of engineering, University of Kragujevac, 2014, pp. 51-57.
28. Marjanović D., Šarkočević Ž., Mišić M., Stojčetović B. : "[Data envelopment analysis application for assessing the efficacy of MSP](#)", *8th International Quality Conference, Center for quality*, (ISBN 978-86-6335-004-5), Faculty of engineering, University of Kragujevac, 2014, pp. 699-708.
29. Šarkočević Ž., Arsić M., Sedmak A., Rakin M., Međo B., Mišić M. : "Methodsofreliabilityassessmentofdamagedpipelinecorrosion", Proceedings of the *XVI International Conference YuCorr –Meeting Point of the Science and Practice in the Fields of Corrosion, Materials and Environmental Protection*,

(ISBN 978-86-82343-21-9), (COBISS.SR-ID 207249420), May 27-30, 2014, TaraMountain, Serbia, pp. 110-120, Publisher: Serbian Society of Corrosion and Materials Protection (Uiskozam), Editors :Prof. Dr Miomir Pavlović, dr Aleksandar Dekanski, dr Vladimir Panić,<http://www.sitzam.org.rs>

30. Stojčetović B., Šarkočević Ž., Lazarević D., Marjanović D., „Application of the Pareto analysis in project management”, 9th International Quality Conference, Center for quality (ISBN 978-86-6335-004-5), Faculty of engineering, University of Kragujevac, 2015, str. 655-658.
31. Lazarević D., Mišić M., Šarkočević Ž., Lekić Z., Stojčetović B., „Computer-aided inspection planning systems for OMI and CMMs”, 9th International Quality Conference, Center for quality (ISBN 978-86-6335-004-5), Faculty of engineering, University of Kragujevac, 2015, str. 311-316.
32. Lazarević D., Mišić M., Šarkočević Ž., Lekić Z., Stojčetović B., „Specification of geometric tolerances, review the recent development”, 9th International Quality Conference, Center for quality (ISBN 978-86-6335-004-5), Faculty of engineering, University of Kragujevac, 2015, str. 317-324.
33. Marjanović D., Šarkočević Ž., Stojčetović B., Ivković D., Andelković A., „Effects of application RFID technology in retail” 9th International Quality Conference, Center for quality (ISBN 978-86-6335-004-5), Faculty of engineering, University of Kragujevac, 2015, str. 273-280.
34. Šarkočević Ž., Božović M., Mišić M., Stojčetović B., “STRATEGIES FOR RESTORING THE EXISTING CITY DUMP STATION „ŠERIJAT“ IN ŠTRPCE” XXIII International Conference “Ecological Truth” Eco-Ist'15, (ISBN: 978-86-6305-021-1) 17-20 June 2015, Hotel "PUTNIK" Kopaonik, SERBIA
35. Bojan Stojčetović, Živče Šarkočević, Milan Mišić, “Application of PESTLE-AHP Method for Selecting Optimal Landfill Solution: Case Municipality of Štrpcë” Proceedings of the XVII International Conference YuCorr –Meeting Point of the Science and Practice in the Fields of Corrosion, Materials and Environmental Protection, (ISBN 978-86-82343-21-9), (COBISS.SR-ID 207249420), September 8-11, 2015, Tara Mountain, Serbia, pp. xxx-xxx, Publisher: Serbian Society of Corrosion and Materials Protection (Uiskozam),<http://www.sitzam.org.rs>
36. Šarkočević Ž., Međo B., Rakin M., Mišić M., Stojčetović B., Arsić M., “RELIABILITY ASSESSMENT OF PIPELINE DAMAGED BY CORROSION” Proceedings of the XVIII International Conference YuCorr –Meeting Point of the Science and Practice in the Fields of Corrosion, Materials and Environmental Protection, (ISBN 978-86-82343-21-9), (COBISS.SR-ID 207249420), April 12-15, 2016, Tara Mountain, Serbia, pp. 327-335, Publisher: Serbian Society of Corrosion and Materials Protection (Uiskozam),<http://www.sitzam.org.rs>.

Радови са домаћих конференција

1. Miodrag Arsić, Mirsad Sarvan, M. Nikolić, B. Ćirković, Ž. Šarkočević: „Ocena sigurnosti zavarenih cevi izrađenih od čelika povišene čvrstoće na osnovu eksperimentalne analize kvaliteta,, , 27. međunarodno savetovanje proizvodnog mašinstva Jugoslavije, Niš 1998

2. Šarkočević Ž., Sedmak A., Arsić M., Aleksić V., Zrilić M. :“Kontrola i ispitivanje zavarenih spojeva šavnih cevi od čelika povišene čvrstoće“, *Savetovanje IBR 2000 - Standardizacija, obrazovanje, sertifikacija, praksa i razvoj*, Zlatibor, 2000, str. 67-71.
3. Arsić M., Aleksić V., Šarkočević Ž. :“Pokazatelji kvaliteta šavnih cevi“, *Savetovanje sa međunarodnim učešćem – IBR 2002*, Tara, 2002, str. 37- 43.
4. Arsić M., Šarkočević Ž., Aleksić V., Burzić Z .:“Uticaj unete količine topote pri zavrivanju na žilavost metala šava cevi izrađenih od čelika povišene čvrstoće“, *Međunarodno savetovanje o dostignućima elektro i mašinske industrije - DEMI 2003*, Banja Luka, 2003, str. 159-164.
5. Aleksić V., Arsić M., Šarkočević Ž. : “Oštećenja i posledice korozije metala u prednapregnutim betonskim konstrukcijama“, *Konferencija sa međunarodnim učešćem, SITZAMS - Interdisciplinarni pristup problematici zaštite konstrukcionih materijala*, Tara, 2005, str. 186-190.
6. Arsić M., Aleksić V., Šarkočević Ž .:“Uticaj povišenih mehaničkih svojstava metala šava i ZUT na čvrstoću zavarenog spoja“, *12. Kongres Jugoslovenskog društva građevinskih konstruktera - JDGK*, Vrnjačka Banja, 2006, str. 203-208.
7. Arsić M., Šarkočević Ž., Veljović A. : “Uticaj segregacije nemetalnih uključaka na lom zaštitnih zavarenih cevi izrađenih od API J55 čelika“, *XV Savetovanje KOMIM*, Zbornik radova (ISBN 978-86-911831-1-0), Vrnjačka Banja, Septembar 2009, pp. 63-66, www.komim.org.rs.
8. Šarkočević Ž., Mladenović M., Arsić M.: “Uporedna analiza mehaničkih osobina zavarenih cevi izrađenih od API J55 i X60 čelika“, *XV Savetovanje KOMIM*, Zbornik radova (ISBN 978-86-911831-1-0), Vrnjačka Banja, Septembar 2009, str. 67-70, www.komim.org.rs
9. Arsić M., Šarkočević Ž., Burzić Z., Rakin M., Odanović Z., Veljović A. : "Otpornost na koroziju i lom zavarenih cevi za naftne bušotine", *26 Savetovanje sa međunarodnim učešćem Procesing 2010*, Zbornik radova na CD , Jun 2010, Tara, Rad 26, 9 strana, www.smeits.org.rs
10. Šarkočević Ž., Arsić M., Mladenović M., Rakin M., Radaković Z.: “Manufacturing Defects and Pipe Damages Influencing Drill well Reliability and the Environment“, *Treći internacionalni Naučno-stručni skup GNP 2010 : Građevinarstvo-nauka i praksa*, (ISBN 978-86-82707-19-6), Izdavač: Univerzitet Crne Gore, Građevinski fakultet, Žabljak, 15-19 March 2010, str. 1337-1342.
11. Arsić M., Šarkočević Ž., Odanović Z., Mladenović M., Veljović A.; “Mehaničke osobine zavarenih spojeva čelika API X60 urađenih primenom elektrolučnog zavarivanja“, *XVI Savetovanje KOMIM*, Zbornik radova (ISBN 978-86-911831-2-7), Izdavač: Komitet za međulaboratorijska ispitivanja Beograd, Užice, 22-24 Septembar 2010., str. 62-66, www.komim.org.rs.
12. Šarkočević Ž., Arsić M., Mladenović M., Veljović A., Savić Z.: “Mehaničke osobine zavarenih spojeva čelika API X60 urađenih zavarivanjem pod praškom i visokofrekventnim zavarivanjem“, *XVI Savetovanje KOMIM*, Zbornik radova (ISBN 978-86-911831-2-7), Izdavač: Komitet za međulaboratorijska ispitivanja Beograd, Užice, 22 - 24 Septembar 2010., str.

67-72, www.komim.org.rs.

13. Arsić M., Odanović Z., Mladenović M., Šarkočević Ž., Karišić D. : “Utvrdavanja uzroka degradacije materijala gornjeg prstena usmernog aparata agregata A6 na hidroelektrani đerdap I“, XVII Svetovanje KOMIM, Zbornik radova (ISBN 978-86-911831-3-4), (COBISS.SR-ID 186232588), Jagodina, Septembar 2011, str. 63-68, www.komim.org.rs.
14. Živče Šarkočević, Miodrag Arsić, Srdjan Jović, Dragan Lazarević, METHODS OF RELIABILITY ASSESSMENT OF DAMAGED PIPELINE CORROSION, Symposium Nonlinear Dynamics – Milutin Milanković, Multidisciplinary and Interdisciplinary Applications (SNDMIA 2012), (Eighth Serbian Symposium in area of Non-linear Sciences), ISBN 978-86-7746-344-1 (COBISS.SR – ID 193221132), Editors: Katica R. (Stevanović) HEDRIH, Žarko Mijajlović, Belgrade, October 1-5, 2012. Booklet of Abstracts (pp 176)
15. Arsić M., Šarkočević Ž.; Međo B., Sedmak A. Rakin M. : “Analiza mehaničkih osobina zavarenih spojeva cevi od čelika API X60 izrađenih zavarivanjem pod praškom, visokofrekventnom i elektrolučnim postupkom“, 28 Svetovanje Zavarivanje 2014, Zbornik radova na CD (ISBN 978-86-82585-11-4), Organizator : Srpsko društvo za unapređenje zavarivanja Srbiji, 04.-07. 2014, Borsko jezero, Srbija, str. 1-6
16. Miodrag Arsić, Mladen Mladenović, Zoran Savić, Živče Šarkočević, “Predviđanje radnog veka mašinskih delova i konstrukcija turbineske i hidromehaničke opreme u fazi projektovanja, izrade prototipa i u eksploataciji”, XXI Konferencija KOMIM, Zbornik radova (ISBN 978-86-911831-1-0), (COBISS.SR-ID 299297287), Čačak, Septembar 2015, str. 67-70, www.komim.org.rs.
17. Miodrag Arsić, Mladen Mladenović, Srđan Bošnjak, Živče Šarkočević, Zoran Savić, “Utica jsegregacije ne metalnih uključaka na integritet cevi izrađenih postupkom visokofrekventnog kontaktnog zavarivanja”, XXII Konferencija KOMIM, Zbornik radova (ISBN 978-86-911831-8-9), (COBISS.SR-ID 307949063), Borsko jezero, Septembar 2016, str. 67-70, www.komim.org.rs.

Књиге и монографије

Напомена: свака књига/монографија мора да има наведене: ауторе, годину публиковања, назив издавача, ИСБН број и тип књиге (уџбеник, монографија, помоћни уџбеник ...).

1. Bojan Stojčetović, Sanja Marković, Živče Šarkočević: PRIORITIZATION OF STRATEGIES FOR BREZOVICA SKI RESORT DEVELOPMENT USING SWOT-AHP METHODOLOGY, 4th international thematic monograph 2019 pp. 459-474, DOI: <https://doi.org/10.31410/tmt.2019.459>.
2. . Шаркоћевић Живче: „Истраживање понашања заварених спојева заштитних цеви израђени од челика API J55“, Факултет техничких наука Косовска Митровица, ISBN 987-86-80893-95-2, COBISS.SR-ID 277361676, Графопромет Крагујевац, 2019..

Пројекти

Национални

1. ТР – 14014 „Истраживање и развој метода за оцену интегритета и поузданости заварених цеви у нафтој индустрији“ (2006. – 2010.)
2. ТР – 35002 „Развој нових методологија ревитализације turbineske и

хидромеханичке опреме хидроелектрана у зависност од узрока деградације материјала”, (2011. – 2019.).
Међународни
Области интересовања
Други подаци које сматрате релевантним (признања, награде, елаборати, студије, чланства, сертификати, усавршавања, комерцијални пројекти итд.)