Curriculum vitae

Personal Information

Name	**Samir Lemeš**
Address	Fakultetska 1, 72000 Zenica, Bosnia and Herzegovina
Phone	+387 32 206 110
E-mail	samir.lemes@unze.ba Web: https://ptf.unze.ba/samir-lemes
Date and place of birth	27/6/1968, Zenica, Bosnia and Herzegovina
Identifiers	ResearcherID: F-1560-2011, Scopus Author ID: 24544541800, ORCID ID: 0000-0002-3596-645X
h-index	Google Sholar: 16 ResearchGate: 10 Scopus: 6 WoS: 4
citations	Google Sholar: 597 ResearchGate: 417 Scopus: 115 WoS: 68

Employment History

Dates	1/4/2015 onwards
Name and address of employer	**University of Zenica, Polytechnic Faculty** Fakultetska 1, 72000 Zenica, Bosnia and Herzegovina, https://www.ptf.unze.ba
Occupation or position held	Vice-dean for scientific research, Dean, Professor, Quality manager
Dates	1/10/1996 – 31/3/2015
Name and address of employer	**University of Zenica, Mechanical Engineering Faculty** Fakultetska 1, 72000 Zenica, Bosnia and Herzegovina, https://www.mf.unze.ba
Occupation or position held	Associate Professor, Assistant Professor, Senior Teaching Assistant, Teaching Assistant
Dates	13/6/1993 - 30/6/1996
Name and address of employer	**Regional Police in Zenica** Dr. Safvet Bega Bašagića 1, 72000 Zenica, Bosnia and Herzegovina
Occupation or position held	Head of Communications Department

Affiliation

Dates	1/10/2011 onwards
University / Department	University of Zenica, Polytechnic Faculty, httpswww.ptf.unze.ba
Courses held	"CAD in Civil Engineering", "Measurements", "Computer Graphics", "Graphics and Vizaulization", "Standardization", "Introduction to IT", "Healthy Urban Environment"
Dates	1/2/2012 – 30/9/2023
University / Department	University of Sarajevo, Faculty of Forestry, http://www.sfsa.unsa.ba
Courses held	"Computer aided modeling of park landscapes - CAD"
Dates	1/10/2011 – 30/9/2013
University / Department	University of Sarajevo, Faculty of Architecture, http://www.af.unsa.ba
Courses held	"Computers"
Dates	1/10/2000 onwards
University / Department	University of Zenica, Faculty of Education (since 2013: Faculty of Philosophy), http://www.ff.unze.ba
Courses held	"Computer Graphics", "Digital Image Procesing and Analysis"
Dates	1/10/1996 – 30/9/2016
University / Department	University of Zenica, Faculty of Mechanical Engineering in Zenica, http://www.mf.unze.ba
Courses held	"Product testing", "Applied methods of numerical modelling", "Experimental methods in product development"

Education and Training

Dates	9/5/2006 – 23/6/2010
Title of qualification awarded	**Doctor of Science in Engineering**
Description	Ph.D. thesis "Validation of numerical simulations by digital scanning of 3D sheet metal objects"
Name of organisation	University in Ljubljana, Faculty of Mechanical Engineering, Ljubljana, Slovenia, http://www.fs.uni-lj.si
Dates	31/01/1996 - 14/2/2002
Title of qualification awarded	**Master of Science in Mechanical Engineering**
Description	Thesis Title "Vibrations of centrifugal pumps used in automotive cooling systems"
Name of organisation	University of Sarajevo, Faculty of Mechanical Engineering in Zenica
Dates	1/10/1988 - 7/6/1993
Title of qualification awarded	**Bachelor of Science in Mechanical Engineering**
Description	Mechanical Engineering in Metallurgy
Name of organisation	University of Sarajevo, Faculty of Mechanical Engineering in Zenica

Seminars and courses

- Fire protection, Zenica, 26.4.2024, 29.6.2026
- Jačanje kapaciteta aktera o rodno-odgovornoj zelenoj tranziciji u BiH, Nacionalni demokratski institut, National Endowment for Democracy, Jahorina, 13.5.2023
- Prevention of sexual exploitation and abuse (PSEA), UNICEF, online (Agora) 22.10.2022
- Okrugli sto - Priznavanje neformalnog obrazovanja i informalnog učenja u BiH, Education for Employment, Sarajevo, 2.6.2022
- Seminar za nastavno osoblje visokoškolskih ustanova: Projekat općeg obrazovanja (TABLA), Save the Children / Fondacija Obrazovanje u akciji / USAID, 27-29.5.2022
- Uloga i značaj članova Tehničkih komiteta ISBIH-a u razvoju standardizacije u Bosni i Hercegovini, 25.5.2022
- Future focused blended learning in science and engineering - Uncovering the transformative potential and discovering good practices of blended learning in science and engineering courses in higher education, Slovenj Gradec, 23–24.5.2022
- ZEISS Webinar - Stay in Touch: ZEISS Unique Scanning Technology, 18.5.2022
- Seminar za nastavno osoblje visokoškolskih ustanova: Vrednovanje, Save the Children / Fondacija Obrazovanje u akciji / USAID, 16.5.2022
- Webinar - The South East Europe region in the era of Open Science, RCC, 3-4.11.2021
- Webinar - EPER "Recognition of Prior Learning", Education for Employment, 16.11.2021
- Upotreba Moodle platforme za provjeru znanja, Univerzitet u Sarajevu, 9.4.2021
- EURAMET Training course: uncertainty evaluation methods in calibration and measurement, 22-23.3.2021
- Implementation of BIM method - key steps to pave the way to BIM adoption, UNDP Challenge Fund, Czech Office for Standards, Metrology and testing, BAS, 9.12.2020
- EBRD Green Cities Webinar #6 : Creating Green Resilience in Cities, 24.11.2020
- Otvorena nauka i prava intelektualne svojine, EURAXESS Centar BiH, 21.10.2020
- Open Access Policy Development, Regional Cooperation Council, 10.8.2020
- Open Access to Research Infrastructure, Regional Cooperation Council, 29-30.6.2020
- RISK 2019, Konferencija o cyber sigurnosti, Sarajevo, 8.10.2019
- Standardi i metode za ispitivanje namještaja za kućnu upotrebu, ZEDA Zenica, 7.2.2019
- Kompjuterska dinamika fluida (CFD) U BiH: stanje i perspektive u energetici, procesnoj i prerađivačkoj industriji, okolišu i drugim relevantnim oblastima, Akademija nauka i umjetnosti BiH, 12.12.2018
- MS Community BiH IT konferencija, Sarajevo, 14.9.2018
- Konferencija o potencijalima razvoja softverske industrije u BiH, Sarajevo, 10.5.2018
- Training to build capacity for evaluation, planning, monitoring, operation and management of research infrastructures, ResInfra@DR (Interreg Danube Transnational Programme), Banja Luka 24-27.4.2018
- Uloga visokoškolskih institucija u sistemu intelektualnog vlasništva i načini reguliranja prava intelektualnog vlasništva, Institut za intelektualno vlasništvo BiH, Mostar, 7.12.2017

- External Evaluation Training, Strengthening Institutional Capacity for Quality Assurance, Agency for Quality Assurance and Accreditation Austria, HEA BiH, Banja Luka, 28.5.2015
- EHSS Capacity Building for Local Consultants in Bosnia and Herzegovina, European Bank for Reconstruction and Development & Monkey Forest Consulting, Sarajevo 18-22.5.2015
- "Internal auditor for quality management systems", TÜV Thüringen, Sarajevo 23-25.7.2014
- Climate Reality Leadership Corps training, Istanbul, 13-16.6.2013
- ISO national workshop "Information Security Management Systems – ISO/IEC 27001", Institut za standardizaciju BiH, Sarajevo, 26-28 septembar 2012
- Seminar ISO 17024 kriteriji i opšti zahtjevi za certifikaciona tijela za certificiranje osoblja, EU Projekt "Razvoj novih akreditacionih šema u BiH", BATA, Sarajevo, 1-2.2.2012
- Seminar EN 45011 kriteriji i opšti zahtjevi za certifikaciona tijela za certificiranje proizvoda, EU Projekt "Razvoj novih akreditacionih šema u BiH", BATA, Sarajevo, 25-26.1.2012
- Support to the implementation of the Integrated Pollution Prevention and Control Directive in Bosnia and Herzegovina with identification Number EuropeAid/126648/C/SER/BA, project financed by EU Delegation in B&H, Vlašić, 9-10 February 2011
- ISO Regional seminar "ISO/IEC 27001 – Information Security Management Systems (ISMS)", International Organization for Standardization, Bucharest, Romania (24-26.2.2010)
- Special Course on Carl Zeiss CMM's "Calypso 4.8": Basic Training, Advanced Training, Calypso Curve, Carl Zeiss Industrielle Messtechnik Austria GmbH (7-17.9.2009)
- Implementacija sistema bezbednosti informacija (ISO 27001) u poslovne i IT sisteme, BSI Management Systems / Mobes Quality (2008)
- Curriculum development and ECTS, WUS Austria (22-23/11/2006)
- National Representative Xpert - Construction of objective-oriented tasks, Practical implementation and correction of Xpert examinations, Methods of EDP classes suitable for adults (29/8/2006)
- Xpert Master (European Computer Passport) – Basics of Electronic Data Processing, Basics of Word Processing, Internet Basics (19/11/2005)
- Manager Training Seminar in the frame of joint project of the Council of Europe and the EC "Modernising the Management and Governance Capacities of Universities in BiH" (2005)
- Podešavanje saosnosti laserom, Balansiranje rotirajuće opreme, STSI, Zagreb (2004)
- Introduction to LabView Measurement Automation Software, NI, Sarajevo (2001)
- Introduction to PULSE system for vibration and noise measurement, Bruel & Kjaer, Siofok, Hungary (2000)
- Open and Distance Learning, ITAI, Denmark (2000)
- Introduction to Cisco router configuration, Technology of modem communications, IZUM Maribor, NIL Ljubljana, SRC Computers Ljubljana, Slovenia (1998)
- I-DEAS Master Series - Modeling and Simulation, ITS Ljubljana, Slovenia (1998)

Skills and competences

Foreign languages	**Understanding**				**Speaking**				**Writing**	
Self-assessment	Listening		Reading		Spoken interaction		Spoken production			
English	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
German	B1	Independent user	B1	Independent user	A1	Basic user	A1	Basic user	A1	Basic user
Slovene	B1	Independent user	B1	Independent user	A1	Basic user	A1	Basic user	A1	Basic user

Technical skills and competences

- Various kinds of measurement equipment, Coordinate measurement Machine Zeiss Contura
- G2 / Software Calypso 4.8, Strain Gauges, Vibration Measurement and Analysis, 3D scanning

Computer skills and competences

- Advanced use of Microsoft Office, CorelDraw, Adobe Photoshop, Adobe Dreamweaver, Autocad, I-deas Master Series, Solidworks, Siemens NX, SPSS, LabView
- Programming languages: Visual Basic, C++, Pascal, Fortran.
- Web design using HTML, ASP, PHP, CSS, MySQL
- Configuring and advanced use of operating systems: Linux, MS Windows, Cisco router IOS

Additional Information

Areas of scientific interest

- Computer graphics
- Computer Aided Design
- Measurements (dimensional metrology, computational metrology)
- Standardization

Membership of professional organizations

- Croatian Metrology Society, Zagreb
- Mensa Bosnia and Herzegovina
- Association of Robotics in Bosnia and Herzegovina
- BAS/TC 1 (Bosnian Standards, Technical Committee 1 - Information Technology, president)
- US Alumni Association B&H
- CNVP (Connecting Natural Values & People Foundation) Netherlands, associate expert
- BAKE (Bosnia-Herzegovina Electrical Engineering Committee) - member of Technical Board
- Representative of B&H Quality Association in European Organization for Quality (EOQ)
- BAS/TC 44 (Bosnian Standards, Technical Committee 44 - Libraries)
- Association for Quality in Bosnia and Herzegovina, secretary (2008-2012)
- Expert Committee of Bosnian Academic and Research Network BIHARNET (1999-2001)
- LUGZDK (Linux user group of Zenica-Doboj Canton)

Membership of review, scientific and organizational committees

- Organizational Committee of International Conference HURBE 2021, Univerzitet u Sarajevu, Sapienza University Rome, Italy
- Reviewer in Journal of Applied Sciences-SUT, ISSN 1857-9930 (Print), 2671-3047 (Online)
- Editorial Board Member - Journal of Modern Mechanical Engineering and Technology EBM, ISSN 2409-9848
- Reviewer and Technical Program Committee - International Conference on Computational Modeling, Simulation and Mathematical Statistics (CMSMS2018), ISSN 2475-8841
- Reviewer in International Journal of Sensors, Wireless Communications and Control, ISSN 2210-3279 (Print) ISSN 2210-3287 (Online)
- Reviewer in Technical Journal, ISSN 1846-6168 (Print), 1848-5588 (Online)
- Reviewer in IEEE Geoscience and Remote Sensing Letters, ISSN 1545-598X
- Reviewer in Measurement (Journal of the IMEKO), ISSN 0263-2241
- Reviewer in Mašinstvo, ISSN 1512-5173
- Reviewer in Journal of Machinery Manufacturing and Automation(JMMA) ISSN:2307-9096
- Reviewer in Journal of Zhejiang University SCIENCE A, ISSN 1862-1775
- Reviewer in International Journal of Mechanical Sciences ISSN: 0020-7403
- Reviewer in Transactions of FAMENA, ISSN: 1849-1391
- Reviewer in NED University Journal of Research - Structural Mechanics, ISSN 1023-3873
- Organizational Committee of International Conference Quality 2011, 2013, 2015, 2017
- Scientific Committee of Quality Festival 2017, University of East Sarajevo
- Scientific Committee of Scientific/research Simposium MNM 2016, 2018
- Scientific Committee of International Conference Maintenance 2016, 2018
- Scientific Committee of International Conference Quality 2011, 2013, 2015, 2017
- Organizational Committee of International Scientific-Expert Conference TMT 2011
- Scientific Committee of International Scientific-Expert Conference TMT 2011
- Organizational Committee of Bosnia and Herzegovina Quality Conference 2009, 2010, 2011
- Organizational Committee of International Scientific-Expert Conference "Status and Perspectives for Development of Coal Mines in Bosnia and Herzegovina" 2002

Civic and political engagement

- Member of Environmental Advisory Board of the Federation B&H (2025-2029)
- Member of the Council for the development of the Urban Plan of the City of Zenica (2021-2026)
- Senate member of the University of Zenica (2017-2026)
- Member of the Awarding Committee of the City of Zenica (2017)
- Chairman of the Commission of Urban Planning, Housing and Communal politics, infrastructure and environmental protection in the Zenica-Doboj Canton Parliament (2015-2018)
- Member of the Zenica-Doboj Canton Parliament (2014-2018)
- Expert for assessment and audit and giving recommendations on accreditation of higher education institutions – representative of the academic community in BiH on the List of experts of the Agency for Development of Higher Education and Quality Assurance of B&H (2014-)
- Member of the Ethical Committee of the University of Zenica (5.7.2017-5.7.2021)
- President of the Publishing Committee of the University of Zenica (29.5.2013-29.4.2017)
- Member of Quality Management Commitee of the University of Zenica (1.7.2015-1.7.2019)
- Centre for Information and Recognition of Qualifications in Higher Education – Steering Committee member (2013-2015), Steering Committee president (4.2014-4.2015)
- NGO "Eko-forum" Zenica – vicepresident (2011-2013), president (2013-2017), president of the Steering Board (2017-2029)

Awards

- Appreciation letter for outstanding contribution to the work and development of BAKE and electrotechnical standardization in BiH, Bosnia and Herzegovina Committee for Electrical Engineering (BAKE), 2024.
- Annual award for the popularization and promotion of science in the Federation of Bosnia and Herzegovina in 2023, Federal ministry for education and science, 2023
- Environmental Champion in the category citizens over 30 who promote the environmental protection in their local community, BH Green Awards, Centre for Development and Support from Tuzla, 2018
- Award for an outstanding contribution to the development of standardization in B&H, BAKE and Institute for standardization of Bosnia and Herzegovina, 2012
- "Golden letter A" of B&H Army for teaching in the war military school in B&H, 1996
- Award of the Mechanical Engineering Faculty in Zenica for study achievements, 1994
- Silver medal of the University of Sarajevo for study achievements, 1989, 1990, 1991

Grants and Scholarships

- British Council, Responsive Democracy Fellowship, Edinburgh, UK 4-13.11.2024
- CEEPUS Freemover, Juraj Dobrila University Pula, 20.10-26.10.2024
- CEEPUS Freemover, Juraj Dobrila University Pula, 26.5-1.6.2024
- US Department of State: International Visitor Leadership Program, Our Planet: Urban Sustainability: Resilient Cities (E/VM-2017-0014), 21.1.-11.2.2017
- Foreign and Commonwealth Office UK, BiH Fellowship Programme, London, UK, 11-16.7.2016
- Ad-Futura, Javni sklad Republike Slovenije, 2005-2006
- Foundation "Hasan Brkić", University of Sarajevo 1990, 1991

Publications

- 13 peer-reviewed books
- 5 peer-reviewed book chapters
- 7 books
- 32 papers in scientific journals (10 in indexed journals)
- 96 papers presented in conferences (22 in indexed proceedings)
- 40 international projects
- 39 national projects
- 83 presentations at seminars and conferences (without proceedings)

Detailed Bibliography

BOOKS (Peer-reviewed)

1. Klarić S, Lemeš S (2026) *Zeleno certificiranje u građevinarstvu*, ISBN 978-9926-452-59-9, Univerzitet u Zenici, Zenica
2. Lemeš S, Hamidović H (2023) *Uvod u informacione tehnologije*, univerzitetski udžbenik, ISBN 978-9926-452-44-5, Univerzitet u Zenici
3. Zaimović-Uzunović N.; Lemeš S. (2022) *Mjerna tehnika 1*, ISBN 978-9926-452-36-0, Univerzitet u Zenici
4. Lemeš S., Cvetković D. (2020) *Priručnik za zagovaračke kampanje prema kompanijama*, Centar za promociju civilnog društva Sarajevo, ISBN: 978-9958-793-33-2
5. Zaimović-Uzunović N., Talić-Čikmiš A., Lemeš S., Manđuka A. (2019) *Ispitivanje geometrijskih karakteristika proizvoda*, ISBN 978-9958-886-17-1, Institut za privredni inženjering d.o.o. Zenica
6. Lemeš S. (2017) *Računarska grafika i geometrijsko modeliranje*, ISBN 978-9958-639-97-5, Univerzitet u Zenici, Zenica
7. Lemeš S. (2012) *Validation of Numerical Simulations by 3D Scanning*, ISBN 978-3-8484-0751-4, Lambert Academic Publishing GmbH, Saarbrücken, Germany
8. Zaimović-Uzunović N.; Lemeš S.; Denjo D.; Softić A. (2009) *Proizvodna mjerenja*, ISBN 9958-617-44-7, Univerzitet u Zenici
9. Zaimović-Uzunović N.; Lemeš S. (2002) *Metod konačnih elemenata*, ISBN 9958-42-079-1, Dom štampe Zenica
10. Mujičić M.; Lemeš S.; Heco E. (2001) *PC nije bauk III*, priručnik za praktičnu upotrebu personalnih računara, ISBN 9958-42-060-0, Dom štampe Zenica
11. Olević S.; Lemeš S. (1998) *Osnovi konstruisanja*, ISBN 9958-617-03-X, Mašinski fakultet u Zenici
12. Lemeš S.; Mujičić M. (1998) *PC nije bauk II*, priručnik za praktičnu upotrebu personalnih računara, ISBN 9958-42-010-4, Dom štampe Zenica
13. Lemeš S. (1995) *PC nije bauk*, priručnik za praktičnu upotrebu personalnih računara, COBISS.BH-ID 856355, Illmija BiH, Sarajevo

BOOK CHAPTERS (Peer-reviewed)

1. Lemeš, S. (2024). *Informaciona sigurnost u Industriji 4.0*, in "Industrija 4.0: digitalna transformacija oblikuje budućnost" (Karabegović I. and Majstorović V., editors), ISBN 978-9958-9262-8-0 (Društvo za robotiku u Bosni i Hercegovini), ISBN 978-9926-410-94-0 (Akademija nauka i umjetnosti Bosne i Hercegovine), pp 501-524
2. Henry L, Lemeš S, and Pickering P (2024) Everyday environmentalism, chapter in “People Power: Activism in Hard Times in Central and Eastern Europe” edited by Patrice C. McMahon, Paula M. Pickering, and Dorota Pietrzyk-Reeves, ISBN 978-1032-717-59-3, Routledge, https://doi.org/10.4324/9781003466116-6, pp 111-135
3. Lemeš, S. (2023). Blockchain and Cyber-Physical Systems. In: Gunasekaran Manogaran, Khalifa, N.E.M., Loey, M., Taha, M.H.N. (Eds.) Cyber-Physical Systems for Industrial Transformation: Fundamentals, Standards, and Protocols, CRC Press, ISBN 978-1032-201-62-7

4. Lemeš S. (2020) *Blockchain-based data integrity for collaborative CAD*, Chapter in "Mixed Reality and Three - Dimensional Computer Graphics" edited by: Dr. Branislav Sobota, IntechOpen, ISBN 978-1-83962-623-4
5. Šišić I. (2010) *Osnove inženjerstva* (poglavlje o računarskoj grafici), ISBN 978-9958-888-01-4, Biotehnički fakultet Univerziteta u Bihaću

OTHER BOOKS

1. Jungwirth T. (2017) *Environmental democracy: progress unreported - Aarhus Convention shadow implementation report Bosnia and Herzegovina*, Contributors: V. Bjelić, M. Delalić, S. Jukan, V. Junuzović, S. Lemeš, R. Pilipović, M. Skalský, Z. Vachůnová, Arnika – Citizens Support Centre (Czech Republic), ISBN: 978-80-87651-31-5, also in Bosnian: *Demokratija životne sredine: napredak neprijavljen - Izvještaj iz sjene sprovođenja Arhuske konvencije u Bosni i Hercegovini*, ISBN: 978-80-87651-32-2
2. Havránková Š., Alibegović Đ., Delalić M., Lemeš S. (2016) *Environmental Permitting System in Bosnia and Herzegovina: From Fragmented to Integrated Pollution Prevention and Control: Comparative Analysis of Permitting Systems and Methods*, ISBN 978-80-87651-26-1, Arnika, Prague, Czech Republic, Eko forum, Zenica, BiH, Bosnian translation by S. Lemeš: *Sistem okolinskih dozvola u Bosni i Hercegovini - Od fragmentirane do integrisane prevencije i kontrole zagađenja: uporedna analiza sistema i metoda okolinskih dozvola*, ISBN 978-80-87651-26-1
3. Brdarević S., Bajramović M., Kozlić S., Lemeš S., Borić A., Ekinović J., Arnaut M. (2015) *Petnaest godina Univerziteta u Zenici: 2000-2015*, ISBN 978-9958-639-71-5, Univerzitet u Zenici
4. Zahumenská V., Lemeš S., Delalić M., Zatloukalová K., Sobotková J., Skalský M. (2015) *Environmental Democracy in Bosnia and Herzegovina: Limping Along*, ISBN 978-80-87651-13-1, Arnika, Prague, Czech Republic, Bosnian translation by S. Lemeš: *Demokratija zaštite okoliša u Bosni i Hercegovini: Posustajućim hodom*, ISBN 978-80-87651-14-8
5. Lemeš S: (2006) *Aplikativni softver*, Pedagoški fakultet u Zenici, WUS Austria, Zenica
6. Mujačić S.; Lemeš S. (2006) *Programiranje za Internet*, Pedagoški fakultet u Zenici, WUS Austria, Zenica
7. Lemeš S.; Dautbegović Dž. (2004) *Informatika 3: Qbasic, Pascal, C++*, Pedagoški fakultet u Zenici

PAPERS IN INDEXED JOURNALS

1. Mujić A, Buzađija N, Lemeš S, Čeke D (2025) Implementation of an optimized solution to the problems of asynchronous and synchronous communication between web services, Elektrotehniški vestnik, ISSN 0013-5852, 2232-3236 (online), 92(3), pp 123-134
2. Marevac, E., Kadušić, E., Živić, N., Buzađija, N., & Lemeš, S. (2025). Framework Design for the Dynamic Reconfiguration of IoT-Enabled Embedded Systems and "On-the-Fly" Code Execution. Future Internet, 17(1), 23. https://doi.org/10.3390/fi17010023
3. Lemeš S. (2019) *Comparison of similar injection moulded parts by a coordinate measuring machine*, SN Appl. Sci. (2019) 1: 193. https://doi.org/10.1007/s42452-019-0191-3
4. Lemeš S. (2019) *Standardizacija za informacijsku i bibliotečku djelatnost u BiH*, BOSNIACA, [S.l.], n. 23, p. 26-32, jan. 2019. ISSN 2303-8888. Available at: <http://bosniaca.nub.ba/index.php/bosniaca/article/view/431>. https://doi.org/10.37083/bosn.2018.23.26
5. Jašarević S., Miličević Dž., Brdarević S., Lemeš S. (2017) *Measurement of organizational culture in public administration: case study of 5 municipalities in Bosnia and Herzegovina*, International Journal for Quality Research 11(3): ISSN 1800-6450, pp 655-676, https://doi.org/10.18421/IJQR11.03-11
6. Jašarević S., Miličević Dž., Lemeš S., Brdarević S. (2017) *Standpoints Of Employees About Introduced Quality Systems In Public Administration On The Sample Of Five Municipalities Of The Zenica-Doboj Canton*, Tehnički vjesnik/Technical Gazette (Print: ISSN 1330-3651, Online: ISSN 1848-6339), Vol. 24/No. 6, pp 1877-1888, https://doi.org/10.17559/TV-20160805101058
7. Lemeš S.; Štrbac D.; Čabaravdić M. (2013) *Using industrial robot to manipulate the measured object in CMM*, International Journal of Advanced Robotic Systems: Industrial Robots, Antonio Visioli (Ed.), Vol. 10, 281: 2013, IF 0.82, ISSN 1729-8806, https://doi.org/10.5772/56585
8. Zaimović-Uzunović N.; Lemeš S.; Ćurić D.; Topčić A. (2011): *Rapid prototyping for sling design optimization*, Journal "Advances in Production, Engineering & Management" 6(2011)4, pp 271-280, ISSN 1854-6250
9. Lemeš S.; Zaimović-Uzunović N. (2008) *Using buckling analysis to predict wrinkling in incremental sheet metal forming*, Strojniški vestnik - Journal of Mechanical Engineering 54(2008)2, pp 115-121, ISSN 0039-2480, UDK 621.9
10. Zaimović-Uzunović N.; Stapić Ž.; Lemeš S. (2003): *Elastic Surfaces of Continuously Loaded Boraboard Panels*, Mechanics, No. 3(41), pp 18-21, ISSN 1392-1207

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1. Hadžajlić N, Lemeš S, Kadušić E (2025) Mjerenje objekata na digitalnim slikama pomoću OpenCV biblioteke i Aruco markera Python programskim jezikom. INN&TECH 5, ISSN 2637-3300, pp 26-30
2. Zečić D, Lemeš S. (2025) Deterministic Chaos–Fractals. Sci Arts Relig 2024; https://doi.org/10.5005/jpjournals-11005-0086.
3. Lemeš S (2025) Pedagoški aspekti primjene vještačke inteligencije u preduniverzitetskom obrazovanju, INN&TECH, ISSN 2637-3300, pp 24-27
4. Henry L, Lemeš S, Pickering PM (2023) Ekologija svakodnevlja, Zeničke sveske, ISSN 1840-0868, pp 138-159
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INTERNATIONAL PROJECTS

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2. *EcoTrace – Procjena postindustrijskog oporavka okoliša*, Eko forum Zenica, Balkan Trust for Democracy (Project of The German Marshall Fund of the U.S.), U.S. Department of State grant SAQMIP24GR5285, Contract No. BTD-FY2026-1650, 2026
3. *Drinking water purification*, Eko forum Zenica, BioX Technologies s.r.o. Bratislava, Slovakia, Slovak Agency for International Development Cooperation – Contract No. SAMRS/2024/PPP/1/14, 2024-2026
4. *TransAC: Establishing a Danube training academy as measure against brain drain from rural and crisis regions* - Interreg Danube projekat ID: DRP0301105, 2025-2028
5. *Boosting IT Spin-offs and Smart Specialization in Danube Region (SpinIT)* - Interreg Danube projekat ID: DRP0200277, 2024-2026
6. *Mreža Arhus centara za zelenu agendu i zaštitu životne sredine*, EU4CS – Support to existing and newly established Civil Society Organisations' networks – EuropeAid/176421/DD/ACT/BA, 2024-2026
7. *Reindustrialisation Following the Brownfield is Better than Greenfield Principle*, EU Interreg Danube Region Programme, DRP0200087 – ReInd-BBG, 2024-2026
8. *Jačanje odgovora na sigurnosne rizike od klimatskih promjena*, Extra-budgetary (ExB) financed project # 1102151 – OSCE, 2023-2024
9. *Global: Integrating environmental resilience into subnational governance,* National Democratic Institute for International Affairs, 2022-2023
10. *Osmislimo obrazovanje ponovo! Kreiranje kvalitetnijeg obrazovanja za djecu tokom i nakon COVID-19 krize, s fokusom na najugroženije*. UNESCO/ILO, 2021-2022
11. *Attorney's ArchivE*, EU4TECH WB PoC, Ref. No.: EuropeAid/140158/DH/SER/MULTI, IPA/2019/412-593, DG NEAR/JRC, 2021

12. *Balkan United for Clean Air*, European Fund for the Balkans, 2021
13. *Bosnia and Herzegovina Environmental Strategy and Action Plan (BiH ESAP 2030+)*, Stockholm Environment Institute, 2020-2022
14. *Inclusive dialogue with business to develop solutions to local peacebuilding challenges*, Eko forum Zenica, London School of Economics, PeaceNexus Foundation, 2018-2019
15. *Healthy URBan Environment: Developing Higher Education in Architecture and Construction in Bosnia and Herzegovina*, Erasmus+, 598503-EPP-1-2018-1-IT-EPPKA2-CBHE-JP, 2018-2021
16. *Environmental Lobbying and Advocacy CSO Network (ELAN)*, Regional Environmental Center Sarajevo, 2018
17. *Modern Economy through New Technology-Oriented Research, Phase II (MENTOR II)*, EU IPA 2011, 2015-2017
18. *Reducing chemicals and contamination of drinking water sources in rural communities in Bosnia-Herzegovina, FRY Macedonia and Albania*, Strategic Approach to International Chemicals Management (SAICM) Quick Start Programme Trust Fund, WECF, 2015-2016
19. *Enforcement of legal protection for victims of environmental pollution in Central Bosnia* (Prosazení právní ochrany obětí znečištění životního prostředí ve střední Bosně)", Transition promotion program of the Ministry of Foreign Affairs of the Czech Republic, 2015
20. *The right to a healthy environment: the Aarhus Centre in Zenica-Doboj canton of Bosnia and Herzegovina and the transfer of experience from the Czech Republic* (Právo na zdravé životní prostředí: Aarhuské centrum v Zenicko-dobojském kantonu Bosny a Hercegoviny a přenos zkušeností z ČR), Transition promotion program of the Ministry of Foreign Affairs of the Czech Republic,Jan. - Dec. 2014
21. *Improvement of Partnership with Enterprises by Enhancement of a Regional Quality Management Potentials in WBC*, EU TEMPUS JP 543662-2013, Jan. 2014 – Dec. 2016
22. *Strategic Development of Higher Education and Qualification Standards*, EU/CoE JP 2013/DG II/JP/2899, Feb. 2013 - Jan. 2015
23. *EFECTive Action* (Environment-Friendly Energy Coalition Team Action), EU IPA CsF 2013/310-826, jan. 2013 - aug. 2014
24. *MENTOR* (Modern Economy through New Technology-Oriented Research), EU IPA 2008, oct. 2010 - mar. 2013
25. *Non-proportional scaling of metal casting moulds*, bilateral project BiH-Slovenia, January 2012 - December 2013.
26. *Digital technologies in sheet metal product forming*, bilateral project BiH-Slovenia, January 2008 - December 2009.
27. Local expert *Mechanical Engineer with specialization in the field of specialized machines (CNC) and tools*, Special Service Agreement No 09-120 (4.3.2009), UNDP Bosnia and Herzegovina
28. Seminar *Training for the work on CNC machines and new production forms*, Univerzitet u Zenici, Regionalna razvojna agencija (REZ), USAID, 2008
29. *Support to higher education in BH for 2005-2007*, WUS Austria, BH eLearning Task Force, 2007
30. *Postgraduate Course On Metrology*, EU TEMPUS SCM (Structural and Complementary Measures), October 2006 - October 2007
31. *Application of finite element method in processing 3D digitized data about thin-walled products*, bilateral project BiH-Slovenia, January 2005 - December 2006.
32. *Course Development Program CDP+: Applicative software, Programming for Internet, Procedural programming*, WUS Austria, 2006
33. *Rapid tooling and rapid prototyping of polymer materials*, bilateral project BiH-Slovenia, January 2003 - December 2004.
34. *CALIMERA - Coordinating IST for Europe's Local Cultural Institutions*, MDR Partners, United Kingdom, April - December 2004.
35. *Strategy and Action Plan for development of eEducation in B&H*, UNDP BiH, Sarajevo, November 2003 - June 2004.
36. *S.U.N. - Support for University Network*, WUS Austria, 2000-2001.
37. *Establishing Phare Open and Distance Learning Centres in Bosnia and Herzegovina*, EU-NET, Denmark, 1999-2000.
38. *Dial-in Access to University Network*, WUS Austria, Zenica, 1999.
39. *Connecting higher education institutions in Zenica into academic and research network BIHARNET*, Univerzitet u Sarajevu, 1998.
40. *Solidarity in Action*, Faculty of Mechanical Engineering, Zenica, Politechnic, Torino, Italy, 1998.

NATIONAL PROJECTS

1. *Analiza rada i transparentnosti okolišnih inspekcija u Bosni i Hercegovini,* Udruženje Centar za istraživanje politike suprotstavljanja kriminalitetu (CPRC) Sarajevo, Grant podrška u okviru projekta Support to Civil Society in the Western Balkans finansiranog od strane National Democratic Institute for International Affairs (NDI) 2022-2023
2. *Metoda kalibracije složenih mjernih sistema za dimenzionalna mjerenja*, Politehnički fakultet Univerziteta u Zenici, PtF_EN_IR_02/2022, Grant Federalnog ministarstva obrazovanja i nauke, 2022-2023
3. *Primjena softverskih rješenja u poljoprivredi,* Interni projekat Politehničkog fakulteta Univerziteta u Zenici, PtF_IN_IR_01/2021
4. *Primjena QR code za evidenciju,* Interni projekat Politehničkog fakulteta Univerziteta u Zenici, PtF_IN_IR_02/2021
5. *Razvoj softvera za unapređenje Studentske prakse,* Interni projekat Politehničkog fakulteta Univerziteta u Zenici, PtF_IN_IR_03/2021
6. *Virtual Office,* Interni projekat Politehničkog fakulteta Univerziteta u Zenici, PtF_IN_IR_04/2021
7. *Virtual Machine,* Interni projekat Politehničkog fakulteta Univerziteta u Zenici, PtF_IN_IR_05/2021
8. *Kalibracija ispitne i mjerne opreme u uslovima pandemije*, Institut "Kemal Kapetanović" Univerziteta u Zenici, Grant Federalnog ministarstva obrazovanja i nauke, 2021-2022
9. *Zaštita prirode na teritoriji grada Zenice*, Grant TN ZM02/11 za zagovaračke mreže u okviru projekta "Misli o prirodi!" koji implementira Centar za promociju civilnog društva, a finansira Vlada Švedske, Eko forum Zenica, 2021-2022
10. *Koalicija 27*, Grant 14/21 u okviru projekta "Zaštićena područja za prirodu i ljude II 2019 – 2022", Podrška radu postojećih nacionalnih mreža/saveza Organizacija civilnog društva, OCD (Koalicije 27 u BiH i SRB), Udruga Dinarica Mostar, Eko forum Zenica, 2021
11. *Zaštita okoliša i ljudska prava*, Eko forum Zenica, Czech Republic Transition Promotion Program, 2020
12. *Eko hub Zenica*, Grant TN_EH01/36 za Eko Hubove u okviru projekta "Misli o prirodi!" koji implementira Centar za promociju civilnog društva, a finansira Vlada Švedske, Eko forum Zenica, 2020-2022
13. *Građanski monitoring realizacije KEAP ZDK*, Eko forum Zenica, Centar za životnu sredinu Banja Luka, Grant podrška u okviru projekta "Eko BiH", finansiranog sredstvima Evropske unije, ugovor br. 2018/400-876, 2020

14. *Numerička i eksperimentalna analiza faktora blokade kod ispitivanja rotora Darrieusove vjetroturbine u zračnom tunelu*, Politehnički fakultet Univerziteta u Zenici, Grant Federalnog ministarstva obrazovanja i nauke, 2019
15. *Analiza transparentnosti principa "zagađivač plaća" u FBiH*, Eko forum Zenica, Balkan Monitoring Public Finances, 2018
16. *Elaborat o pokretanju studijskog programa softversko inženjerstvo,* PtF_IN_OP_04/2017, Politehnički fakultet Univerziteta u Zenici, 2017
17. *Istraživanje potrebe tržišta rada za visokostručnim kadrovima građevinske struke,* Ptf_IN_IR_01/2017, Politehnički fakultet Univerziteta u Zenici, 2017
18. *Energetsko siromaštvo*, Centar za ekologiju i energiju Tuzla, 2017
19. *Kantonalni ekološki akcioni plan ZDK*, Univerzitet u Zenici, 2016
20. *Univerzitetski centar za informacione tehnologije*, Univerzitet u Zenici, 2015
21. *Akademska i istraživačka mreža FBiH - AIM FBiH*, Univerzitet "Džemal Bijedić" u Mostaru, 2014
22. *Primjena industrijskog robota za pozicioniranje mjerenog objekta na koordinatnom mjernom stroju*, Mašinski fakultet u Zenici, 2011
23. Seminar *CAD/CAM info radionica*, Regionalna razvojna agencija za regiju Centralne Bosne i Hercegovine, 2010
24. *Unapređenje kulture kvaliteta u BiH i dodjela Državne nagrade za kvalitet*, Privredna štampa d.o.o. Sarajevo, Asocijacija za kvalitet u BiH, 2010
25. Elaborat za povezivanje kampusa Univerziteta u Zenici u LAN mrežu optičkim kablovima i za povezivanje mreže Univerziteta na Akademsku mrežu BiH, 2008
26. *Centar za izvoz i trgovinske usluge bazirane na konkuretnom tržištu - COMETS*, Regionalna razvojna agencija za regiju Centralne Bosne i Hercegovine, 2006
27. *Ekspertni sistem za izbor mašina za usitnjavanje mineralnih sirovina*, Mašinski fakultet, Zenica, 2005.
28. *Ekspertni sistem za upravljanje ekološkim i tehnološkim pokazateljima regionalne deponije otpada*, Institut za mašinstvo, Zenica, 2004.
29. *Tehnologije reverznog inženjeringa u radu naučno-tehnološkog parka*, Mašinski fakultet u Zenici, 2002.
30. Ekspertiza *Mjerenje pomjeranja drugog promajnog puta kotla bloka 7-230 MW u hladnom i toplom stanju u termoelektrani Kakanj*, Mašinski fakultet u Zenici, Termoelektrana "Kakanj", 2002.
31. Studija *Idejno rješenje mjernog sistema za otkrivanje defekata u poluproizvodu*, Mašinski fakultet u Zenici, Binas Bugojno, 2002
32. Ekspertiza *Preliminarna istraživanja naponsko-deformacionih stanja dijela kotla broj 7 u TE Kakanj*, Mašinski fakultet u Zenici 2001.
33. Seminar *Inoviranje rada osoblja fakulteta sa aspektom na različite mogućnosti informacione mreže*, Mašinski fakultet u Zenici, 2001.
34. *Improvement of Laboratory for Mechanical Measurements*, WUS Austria, 2000.
35. *Povezivanje lokalnih računarskih mreža ureda WVI-EKI*, Institut za mašinstvo Zenica, 2000.
36. *Racionalno korištenje knjiga biblioteke Mašinskog fakulteta u Zenici*, Mašinski fakultet u Zenici, 1997.
37. *Računarska mreža Mašinskog fakulteta u Zenici*, Mašinski fakultet u Zenici, 1997.
38. *Izrada WEB stranica na Internetu*, Mašinski fakultet u Zenici, 1997.
39. *Informacioni sistem studentske službe Mašinskog fakulteta*, Mašinski fakultet u Zenici, 1997.

PRESENTATIONS AT SEMINARS AND CONFERENCES (Without Proceedings)

1. Lemeš S (2026) PRTR Protokol: Posljedice nedostatka ratifikacije u BiH, edukativna radionica Nužnost ratifikacije PRTR Protokola u BiH - presjek stanja, Mreža Aarhus centara za Zelenu agendu i zaštitu okoliša, Sarajevo, 4.6.2026
2. Lemeš S (2026) Partners in Environmental Security: Civil Society Action Against Environmental Ilicit Acts in South-Eastern Europe, side event of the 35th Session of the Commission on Crime Prevention and Criminal Justice, OSCE, Vienna, 3.6.2026
3. Lemeš S (2026) Zelena tranzicija i kružna ekonomija, Lokalna fondacija Zenica, 7.4.2026.
4. Lemeš S (2026) Klimatske promjene, Lokalna fondacija Zenica, 10.2.2026.
5. Lemeš S (2026) Omladinski eko aktivizam, projekat "Omladinski eko lideri: Zenica diše zeleno!", Lokalna fondacija Zenica, 5.2.2026.
6. Lemeš S (2025) Uloga civilnog društva u zaštiti okoliša, Arhitektonski fakultet Univerziteta u Sarajevu, 19.11.2025.
7. Lemeš S (2025) Zaštita okoliša i klimatska kriza, Sezam Zenica, Sarajevo, 29.11.2025.
8. Lemeš S (2025) Sigurnost na internetu, Sezam Zenica, Neum, 25.10.2025
9. Lemeš S (2025) Razvoj obrazovnih programa za cyber sigurnost, Sezam Zenica, Neum, 25.10.2025
10. Lemeš S (2025) Izazovi upotrebe umjetne inteligencije u nastavi osnovnih škola, Sezam Zenica, Neum, 25.10.2025
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MENTORSHIP – PhD DISSERTATIONS

1. Dženis Avdić (18.1.2023) Primjena računarskog modela ambijentalne inteligencija (AmI) na prediktivno održavanje parametara komfora enterijera, mentor: prof.dr. Amira Salihbegović, komentor: prof.dr. Samir Lemeš, Arhitektonski fakultet Univerziteta u Sarajevu
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MENTORSHIP – MASTER THESES

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