

PERSONAL INFORMATION

Nurin Zečević



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Gender Women | Date of birth 07/08/1985 | Nationality Bosnian

WORK EXPERIENCE

2019- today

Assistant professor

Department for Process, Energy and Environmental Engineering
Department of Defense Technologies
Mechanical Engineering Faculty, University of Sarajevo
Vilsonovo setaliste 9
71000 Sarajevo, Bosnia and Herzegovina
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2012-today

Energy associate

EMIS (Energy Management Information System)
Mechanical Engineering Faculty, University of Sarajevo

2010-2019

Senior professional associate

Mechanical Engineering Faculty, University of Sarajevo
Vilsonovo setalise 9
71000 Sarajevo, Bosnia and Herzegovina
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- Participation in the development of investment studies and programs for the construction, adaptation and modernization of the Faculty's buildings in the architectural fields.
- Participation in the development of investments, the development of a maintenance plan for buildings and faculty equipment.
- Regulation of the necessary technical documentation and intermediary between the Faculty of Mechanical Engineering and organizations
- Carrying out professional supervision during the performance of works at the Faculty.
- Coordinator of EMIS (Energy Management System) at the Faculty of Mechanical Engineering University of Sarajevo.

EDUCATION

2019

Doctor of technical sciences in the Field of Mechanical engineering.

Mechanical Engineering Faculty, University of Sarajevo.

- Doctoral study "*Renewable energy sources and environmental technologies*"
The topic of the doctoral dissertation: "*Development of a model for determining the optimal combination of energy efficiency measures and renewable energy technologies in the buildings of higher education institutions in Bosnia and Herzegovina*".
- 2008-2010 **Master of Architecture -Graduate of Architectural Engineering**
Faculty of Architecture, University of Sarajevo, Bosnia and Herzegovina
Theme: "The Center for Contemporary Art"
- 2004-2008 **Bakalaureat/bachelor Engineer of Architecture**
Faculty of Architecture, University of Sarajevo, Bosnia and Herzegovina
Theme: "Designing an elementary school in Dobroševići"
- 2000-2004 Third gymnasium, Sarajevo, Bosna and Hercegovina
- 1992-2000 Elementary school „Čengić Vila I“, Sarajevo, Bosna and Hercegovina

EDUCATION AND TRAINING

- 2010 Participant in academic international workshop Yildiz Technical University, Turkiye – Faculty of Architecture, Sarajevo, Bosnia and Herzegovina – Enschede, Netherlands.
- 2011 Training program for training for Module 1 – training program for persons who conduct energy audits and energy certification of buildings with simple technical systems (INZA, EIHP, Sarajevo, Bosnia and Herzegovina).
- 2011 Energy Auditor, Federal Ministry of Spatial Planning, Sarajevo, Bosnia and Herzegovina.
- 2011 Participation in the "Interklima 2011" symposium. 21st International Symposium on Heating, Cooling and Air Conditioning; 10th Conference on Thermography, Zagreb, Croatia
- 2011 "UNESCO Regional Summer School on Renewable Energy and Energy Efficiency Governance", August 23-September 3, 2011, BiH.
- 2012 Specialist course "Design and exploitation of thermotechnical systems in buildings" organized by the Faculty of Mechanical Engineering, University of Sarajevo & EE-WB.
- 2012 Course "Energy consumption management in buildings and green office practice" organized by USAID, UNDP MDG-F.
- 2012 Module 2 – staffing program for persons performing energy certification of buildings (Center for Economic, Technological and Environmental Development, CETEOR d.o.o. Sarajevo).
- 2012 Module 3 - training program for persons who carry out energy certification of buildings (Center for Economic, Technological and Environmental Development, CETEOR d.o.o. Sarajevo).
- 2013 Energy efficiency in construction - a new source of competitive advantage. Center for Economic, Technological and Environmental Development, CETEOR d.o.o. Sarajevo.
- 2013 PhD Spring Course "Innovation for Sustainable Development" (TU Delft, Netherlands, NTUU "KPI", Ukraine).

PERSONAL SKILLS AND COMPETENCES

Mother tongue(s) Bosnian-Croatian-Serbian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Stupnjevi: A1/2: Temeljni korisnik - B1/B2: Samostalni korisnik - C1/C2 Iskusni korisnik
[Zajednički europski referentni okvir za jezike](#)

Social skills and competences Good communication skills, in character, and acquired through work and cooperation on different projects, through teamwork and with different organizations.

Additional skills Strong communication, analytical thinking, emotional intelligence, positive and energetic attitude.

Organisational skills and competences Organizational and management skills gained through project management and coordination.

Technical skills and competences MS Office, AutoCAD, KiExpert, EMIS (Energy Management Information System) for Mechanical.

Other skills Design, creativity, psychology, researching, reading books.

Driving licence B category

SCIENTIFIC PAPERS

- Westmijze, F, Wiggelinkhuizen, A, Zečević, D, Zečević, N. & Eryeli, E. (2010). *Green Transformable Buildings Center*. International Design Studio 2010. UNSA Sarajevo, YTU Istanbul, UT Enschede, pp 62-73.
- Džaferović, E. & Zečević, N. (2013). *Characteristics of implementation of energy efficiency measures in Educational institutions*. 17th International Research/Expert Conference „Trends in development of Machinery and Associated Technology“ TMT, Istanbul, Turska, Septembar 2013, Year 17, No. 1, pp 325-238.
- Avdić, V., Muminović, A., Pervan, N., Tasić, P. & Zečević, N. (2013). *Different Design Solutions of Solar Trees in Urban Environment*. Proceedings of 2nd Green Design Conference „Green Cities, Building and Products“, Sarajevo Green Design Foundation, Sarajevo, Bosnia and Herzegovina, Vol. 2, pp 64-67
- Avdić, V., Muminović A., Pervan, N., Tasić, P. & Zečević, N. (2013). *Implementation of the Project “Solar tree” in Sarajevo*. Proceedings of 2nd Green Design Conference „Green Cities, Building and Products“, Sarajevo Green Design Foundation, Sarajevo, Bosnia and Herzegovina, Vol. 2., pp 40-45.
- Zečević B., Terzić J., Zečević N. & Sain M. (2015). *Researching influence of climatic environmental parameters on performance of large caliber ammunition during storage*. Proceedings of the 1st International Conference on Environmental Science and Technology, Septembar 2015, Sarajevo, pp 63-73.
- Zečević N, Džaferovic E. & Husika A. (2017). *Measurement of Indoor Air Quality at Higher Institutions*. 5th European Conference on Renewable Energy Systems ECRES, Sarajevo, Bosnia and Herzegovina, August 2017, pp 76-81.

7. Zečević N, Džaferović E. & Husika A. (2018). *Impact of Energy Efficiency Measures on Indoor Air Quality in Building of Mechanical Engineering Faculty Sarajevo*. Proceedings of the 29th DAAAM International Symposium, B. Katalinic (Ed.), Published by DAAAM International, ISBN 978-3-902734-08-2, ISSN 1726-9679. October 2018, Zadar.
8. Zecevic, N, Džaferovic, E, Husika, A. & Salihbegovic, A. (2019). *Achievement of Thermal Comfort in the Building Through Interaction with External Factors*. 4th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium, June 2019, Prague.
9. Zecevic, N, Džaferovic, E. & Husika, A. (2019). *Comparison of Measured and Calculated Heat Transfer Coefficient of External Wall at the Mechanical Engineering Faculty, University of Sarajevo*. TEM Journal, Vol 8 (2), pp 417-423, May 2019.
10. Zecevic, N, Terzic, J, Zecevic, B. & Ajanovic, A (2021). *Analysis of Ventilation Efficiency in the Earth Covered Magazine for Ammunition Storage Using Numerical Simulation*. IOP Conference Series: Materials Science and Engineering. 1203. 022069. 10.1088/1757-899X/1203/2/022069. <https://iopscience.iop.org/article/10.1088/1757-899X/1203/2/022069>
11. Sahic, E., Husika, A., Zecevic, N. & Džaferovic, E. (2020). *Techno-Economic Analysis Solar Energy Use for Sanitary Water Heating in Institute 'Drin Fojnica'*. DAAAM Proceedings, [online] pp.0542–0549. doi:<https://doi.org/10.2507/31st.daaam.proceedings.075>
12. Zecevic, B, Zecevic, N, Terzic, J. & Sain, M. (2021). *Analysis of Temperature and Relative Humidity Variations in the Large-Caliber Ammunition Containers of NATO and Eastern Concept Depending on the Change of Seasons*, Book of Proceedings of the 7th International Conference on Environmental Science and Technology, pp. 35-43, ISBN 978-605-81426-2-6 ISSN - 2687-2439, Sarajevo, Bosnia and Herzegovina, 23-27 June 2021.
13. Hadziahmetovic, H, Zecevic, N. & Neimarlija, A (2021). *Monitoring of Indoor Air Quality in Classroom*, Proceedings of the 32nd DAAAM International Symposium, pp.0040- 0047, B. Katalinic (Ed.), Published by DAAAM International, ISBN 978-3-902734-33-4, ISSN 1726-9679, Vienna, Austria DOI: 10.2507/32nd.daaam.proceedings.006
14. Husika, A.; Zecevic, N.; Numic, I.; Džaferovic, E. (2022). *Scenario Analysis of a Coal Reduction Share in the Power Generation in Bosnia and Herzegovina until 2050*. *Sustainability* **2022**, *14*, 13751. <https://doi.org/10.3390/su142113751>
15. Husika, A. , Zecevic, N. and Džaferovic, E. (2022) *Potential Impact of Biomass Cogeneration Plants on Achieving Climate Neutrality of BiH until 2050*. *American Journal of Climate Change*, **11**, 250-264. doi: [10.4236/ajcc.2022.113012](https://doi.org/10.4236/ajcc.2022.113012)
16. Martinovic, S., & Zecevic, N. (2023). *Energy efficiency features of vernacular house in Bosnia and Herzegovina: A case study of Svrzo's House Complex*. *Heritage and Sustainable Development Original Research*
17. Martinovic, S., Zecevic, N. and Salihbegović, A. (2023). *Vernacular Residential Architecture in the Context of Sustainability – Case Study of Svrzo's House Complex*. *Journal of Sustainable Architecture and Civil Engineering*, [online] 32(1), pp.19–40. doi:<https://doi.org/10.5755/j01.sace.32.1.32753>.
18. Zecevic, N, Martinovic, S. & Husika, A. (2023). *Analysis of Bioclimatic Features of Vernacular Architecture – A Case Study of Vernacular Residential Buildings in Sarajevo*, *9th International Conference of Environmental Science and Technology, Bosnia and Herzegovina*.

PROJECTS

1. Delalić N., Škaljić N. & Zečević N. (2011), Pilot project "Implementation of energy efficiency measures at the Faculty of Mechanical Engineering Sarajevo" UN Joint Program/MDG_F Environment and Climate Change, USAID 3E and Faculty of Mechanical Engineering, University of Sarajevo. Coordinator for the architectural-construction part of the pilot project.
2. Lulić H., Mešić S. & Zečević N. (2012), SEE-ERA. NET PLUS: Project No.ERA 163/01 "Intelligent Information System for Monitoring and Verification of Energy Management in Cities" - ISEMIC for the Olympic pool "Otoka" Sarajevo, BiH, SEE-ERA NET PLUS, Coordinator FER-ZVNE, FTS-PEEC Novi Sad, MF-SA Sarajevo, JSI-FEC

Ljubljana. Collaborator on the project

3. 3LG Electronics Magyar Kft. (2013). Coordinator of the LG Electronics project for the education of future engineers - a donation to the Faculty of Mechanical Engineering of the University of Sarajevo with the aim of supporting future theoretical and practical education.
4. ENERGIS & Mechanical Engineering Faculty (2013), "Toyota Challenge – CO2 Friends", Project manager of the competition of three universities in Bosnia and Herzegovina, with the aim of reducing energy consumption with planned energy efficiency measures at selected faculties.
5. Selmanović, A., Gakić, I. & Zečević, N. (2011). Energy audit "Avdo Smilović" elementary school. INZA, Sarajevo, BiH.
6. Selmanović, A., Gakić, I. & Zečević, N. (2011). Energy audit "Biser" kindergarten. J.U. "Children of Sarajevo", INZA, Sarajevo, BiH.
7. Delalić, N., Kadrić, Dž. & Zečević, N. (2013). Energy audit of kindergartens in Visoko. Faculty of Mechanical Engineering, University of Sarajevo, Sarajevo, BiH.
8. Prašović, S., Kadrić, Dž. & Zečević, N. (2013). Energy audit of the hospital "Nova Bila" Vitez, CETEOR, Sarajevo, BiH.
9. Husika, A., Sarvan, M. & Zečević S. (2013). Energy audit "Musa Ćazim Ćatić" elementary school. Zenica, CETEOR, Sarajevo, BiH
10. „Green partnerships - Local partnerships for greener cities and regions", MEED program (2014). Executive for expert services organization and presentation of positive examples of implemented projects to increase energy efficiency in the city of Sarajevo, Faculty of Mechanical Engineering, University of Sarajevo, Sarajevo, Bosnia and Herzegovina.
11. Participant in the project „*GET STARTED: Take the initiative and START renewable energy in Your local community*“, Regional Center for Education and Information for Southeast Europe – REIC, 2021.