

I. Opšti podaci o konkursu za izbor u akademska zvanja

Datum raspisivanja konkursa	četvrtak, 5. septembar 2024.	Naziv dnevnog lista	EuroBlic
URL konkursa: https://www.ibu.edu.ba/announcements/konkurs-za-izbor-napredovanje-akademskog-kadra			
Broj prijavljenih kandidata je 1, za poziciju broj 1 prema ovom konkursu, kako slijedi: 1. Jasmin Kevrić , 13.09.2024.godiše.			
Datum i broj odluke Vijeća Fakulteta za inženjering, prirodne i medicinske nauke Internacionalnog Burč univerziteta o imenovanju Komisije za pripremanje prijedloga za izbor u akademsko zvanje (u daljem tekstu: Komisija) redovnog profesora za oblast <i>Opća elektronika</i> na pomenutom fakultetu.			Broj: 04-168-2/24 U Sarajevu, 26.09.2024.
Komisija se nalazi u sljedećem sastavu	Prof.dr. Mustafa Musić Prof.dr. Slobodan Lubura Prof.dr. Radovan Stojanović	(Predsjednik Komisije) (Član Komisije) (Član Komisije)	

II. Biografski podaci kandidata/kandidatkinje

Ime i prezime	Jasmin Kevrić	Akademska titula	Vanredni profesor
Adresa e-pošte	jasmin.kevric@ibu.edu.ba	Državljanstvo	BiH
Obrazovanje (svi ciklusi)	1. BSc , Elektrotehnički fakultet Univerziteta u Sarajevu 2007-2010 2. MSc , Odsjek za Informacijske tehnologije Fakulteta za inženjering i prirodne nauke, Internacionalni Burč univerzitet, 2010-2012 3. PhD , Odsjek za elektrotehniku Fakulteta za inženjering i prirodne nauke, Internacionalni Burč univerzitet, 2012-2015		
Zaposlen u	Internacionalni Burč univerzitet		

Jasmin Kevrić (u daljem tekstu: Kandidat) je podnio prijavu za redovni izbor u akademsko zvanje redovnog profesora za oblast *Opća elektronika* na Fakultetu za inženjering, prirodne i medicinske nauke Internacionalnog Burč univerziteta, koja će se razmotriti u dijelu **III**, **IV**, **V**, **VI**, **VII** i **VIII** ovog Izvještaja, a obrazloženje i zaključak o prijavi, kao i prijedlog o izboru, navesti u dijelu **IX** ovog Izvještaja.

III. Uslovi za izbor u naučnonastavno zvanje redovnog profesora

Na osnovu člana 112. stav (2) tačka (f) Zakona o visokom obrazovanju Kantona Sarajevo (Službene novine Kantona Sarajevo, broj 36/22), uslov za izbor u naučnonastavno zvanje na visokoškolskoj ustanovi za poziciju redovnog profesora je proveden najmanje jedan izborni period u zvanju vanrednog profesora, minimalno osam naučnih radova u priznatim publikacijama objavljenih nakon izbora u zvanje vanrednog profesora, od čega su četiri naučna rada objavljena u publikacijama indeksiranim u relevantnim naučnim bazama, dvije objavljene knjige, dva originalna stručno-naučna djela, kao što je projekt, patent ili originalni metod, te uspješno mentorstvo najmanje tri kandidata za stepen drugog ciklusa/integriranog studija odnosno ekvivalenta i jednog kandidata trećeg ciklusa studija odnosno ekvivalenta. Prijavljeni Kandidat ispunjava uslove kako slijedi:

1. Proveden najmanje jedan izborni period u zvanju vanrednog profesora - **DA**

IV. Minimalno osam naučnih radova u priznatim publikacijama objavljenih nakon izbora u zvanje vanrednog profesora**SCIE INDEX**

1. Subasi, Abdulhamit; Jukic, Samed; Kevric, Jasmin, Comparison of EMD, DWT and WPD for the localization of epileptogenic foci using Random Forest classifier, Measurement, 2019, Elsevier.
2. Badnjević, Almir; Pokvić, Lejla Gurbeta; Hasičić, Mehrija; Bandić, Lejla; Mašetić, Zerina; Kovačević, Živorad; Kevrić, Jasmin; Pecchia, Leandro, Evidence-based clinical engineering: Machine learning algorithms for prediction of defibrillator performance, Biomedical Signal Processing and Control, 2019, Elsevier.
3. Jukic, Samed; Saracevic, Muzafer; Subasi, Abdulhamit; Kevric, Jasmin; Comparison of Ensemble Machine Learning Methods for Automated Classification of Focal and Non-Focal Epileptic EEG Signals, Mathematics, Vol 8, Issue 9, 2020, Multidisciplinary Digital Publishing Institute.
4. Vrtagić, Sabahudin; Softić, Edis; Ponjavić, Mirza; Stević, Željko; Subotić, Marko; Gmanjunath, Aditya; Kevric, Jasmin, Video Data Extraction and Processing for Investigation of Vehicles' Impact on the Asphalt Deformation Through the Prism of Computational Algorithms, Traitement du Signal, 37, 6, 2020.
5. Shaari, Hala; Kevrić, Jasmin; Jukić, Samed; Bešić, Larisa; Jokić, Dejan; Ahmed, Nuredin; Rajs, Vladimir", Deep Learning-Based Studies on Pediatric Brain Tumors Imaging: Narrative Review of Techniques and Challenges, Brain Sciences, 11, 6, 716, 2021, Multidisciplinary Digital Publishing Institute.
6. Saric, Rijad; Kevric, Jasmin; Hadziabdic, Naida; Osmanovic, Ahmed; Kadic, Mirsad; Saracevic, Muzafer; Jokic, Dejan; Rajs, Vladimir", Dental age assessment based on CBCT images using machine learning algorithms, Forensic Science International, 334, 111245, 2022, Elsevier.
7. Hafner-Vuk, Katarina; Milojević, Vladimir; Avdić, Monia; Kevrić, Jasmin; Krajišnik, Milica; Improvement of the quality of analytical results generated by GC/MS method for characterization of Helichrysum italicum (Roth) G. Don essential oil, Accreditation and Quality Assurance, 28, 6, 261-270, 2023, Springer Berlin Heidelberg Berlin/Heidelberg.
8. Aljicevic, Zajim; Kasapovic, Suad; Hivziefendic, Jasna; Kevric, Jasmin; Mujkic, Samira; Resource allocation model for cloud-fog-based smart grid, Science and Technology for Energy Transition, 78, 28, 2023, EDP Sciences. Publications

ESCI INDEX

9. Isakovic, Becir; Masetic, Zerina; Kevric, Jasmin; Gurbeta, Lejla; Gegic, Enis, "Experimental Validation and Development of Decision Tree-based System for Prediction of Service Management of Perfusors/Syringe Pump", TEM Journal, 2022. Publications

SCOPUS

10. Sarić, Rijad; Kevrić, Jasmin; Čustović, Edhem; Jokić, Dejan; Beganović, Nejra, Evaluation of Skeletal Gender and Maturity for Hand Radiographs using Deep Convolutional Neural Networks, 2019 6th International Conference on Control, Decision and Information Technologies (CoDIT), 2019, IEEE.
11. Sakanovic, Semir; Kevric, Jasmin; HaBEEtat: A Novel Monitoring Platform for More Efficient Honey Production, International Conference on Medical and Biological Engineering, 193-200, 2019, "Springer, Cham"
12. Osmanovic, Ahmed; Halilovic, Sabina; Jukic, Samed; Kevric, Jasmin; Hadziabdic, Naida; Application of a ComputerAided Diagnostic System for Early Identification of Periapical Lesions—A Pilot Study, International Conference on Medical and Biological Engineering, 75-79, 2019, "Springer, Cham"
13. Šakanović, Semir; Dogru, Nejdet; Kečo, Dino; Kevrić, Jasmin; Short-Term Prediction of Honey Production in Bosnia and Herzegovina using IoT, 2019 8th Mediterranean Conference on Embedded Computing (MECO), 1-4, 2019, IEEE
14. Dogru, Nejdet; Salihagić, Emir; Hasičić, Mehrija; Kevrić, Jasmin; Hivziefendić, Jasna; Nonintrusive Real Time Classification of Home and Office Appliances from Smart Meter by Using Machine Learning Techniques, 2019 8th Mediterranean Conference on Embedded Computing (MECO), 1-4, 2019, IEEE
15. Bandić, Lejla; Hasičić, Mehrija; Kevrić, Jasmin; Prediction of Power Output for Combined Cycle Power Plant Using Random Decision Tree Algorithms and ANFIS, International Symposium on Innovative and Interdisciplinary Applications of Advanced Technologies, 406-416, 2019, Springer
16. Sarić, Rijad; Ulbricht, Markus; Krstić, Miloš; Kevrić, Jasmin; Jokić, Dejan; Recognition of Objects in the Urban Environment using R-CNN and YOLO Deep Learning Algorithms, 2020 9th Mediterranean Conference on Embedded Computing (MECO), 1-4, 2020, IEEE
17. Ferhatović, Nihad; Lale, Srđan; Kevrić, Jasmin; Lubura, Slobodan; Implementation of Single-Phase Phase-Locked Loop with DC Offset and Noise Rejection Using Fuzzy Logic Controller, International Symposium on Innovative and Interdisciplinary Applications of Advanced Technologies, 407-421, 2020, Springer.
18. Mehanović, Dželila; Kečo, Dino; Kevrić, Jasmin; Jukić, Samed; Miljković, Adnan; Mašetić, Zerina, Feature selection using cloud-based parallel genetic algorithm for intrusion detection data classification, Neural Computing and Applications, 33, 18, 11861-11873, 2021, Springer London.
19. Mehanović, Dželila; Mašetić, Zerina; Kečo, Dino; Kevrić, Jasmin, "Comparison of the Wavelet Denoising Methods for Denoising of Phonocardiogram Signal", International Conference on Medical and Biological Engineering, 321-329, 2021, Springer.
20. Sarić, Rijad; Chen, Junchao; Krstić, Miloš; Čustović, Edhem; Panić, Goran; Kevrić, Jasmin; Jokić, Dejan, "Classification of Space Particle Events using Supervised Machine Learning Algorithms", 2021 IEEE 8th International Conference on Data Science and Advanced Analytics (DSAA), 1-10, 2021, IEEE.
21. Zabasta, Anatolijs; Kunicina, Nadezda; Kevric, Jasmin; Ktena, Aphrodite; Ziraveeka, Anastasija; Jokie, Dejan, "Acquisition of Learning Outcomes Applying Active Learning Approach and Quality Assurance process at ELEMEND project", 2021 10th Mediterranean Conference on Embedded Computing (MECO), 1-5, 2021, IEEE.
22. Sarić, Rijad; Chen, Junchao; Čustović, Edhem; Panić, Goran; Kevrić, Jasmin; Jokić, Dejan; Krstić, Miloš, "Design of ASIC and FPGA system with Supervised Machine Learning Algorithms for Solar Particle Event Hourly Prediction", IFAC PapersOnLine, 55, 4, 230-235, 2022, Elsevier.
23. Aida, Škamo; Kevrić, Jasmin, "Human Activity Recognition Using Ambient Sensor Data", IFAC-PapersOnLine, 55, 4, 97-102, 2022, Elsevier.

24. Senyurek, Edip; Kevrić, Jasmin, "Serendipity-Oriented Clustering Method for Recommender Systems Based on Collaborative Filtering", International Symposium on Innovative and Interdisciplinary Applications of Advanced Technologies, 438-451, 2023, Springer.
25. Bjelak, Abdullah; Deumić, Sara; Kevrić, Jasmin; Avdić, Monia; Evaluation of Bacterial Biofilm Category Change Due to the Use of Different Signaling Molecules Using Random Forest Classifier, Mediterranean Conference on Medical and Biological Engineering and Computing, 504-516, 2023, Springer.
26. Shaari, Hala; Kevric, Jasmin; Ahmed, Nureidin; "Domain Adaptation Generative Model for Segmenting 3D MRI Pediatric Brain", 2024 IEEE 4th International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA), 686-693, 2024, IEEE.
27. Senyurek, Edip; Kevric, Jasmin; "Effects of Binary Similarity Metrics in Recommender Systems for Jester Jokes Dataset", International Conference "New Technologies, Development and Applications", 404-412, 2024, Springer.
28. Senyurek, Edip; Kevric, Jasmin; "Effects of Binary Similarity Metrics for the Relevance Component of SerendipityOriented Clustering Method in Collaborative Filtering", IFAC-PapersOnLine, 58, 9, 172-177, 2024, Elsevier.
29. Dedić, Adis; Jokić, Dejan; Kevrić, Jasmin; Lubura, Slobodan; "Open Source Embedded System Approach for Decreasing Carbon Footprint of Oldtimers", IFAC-PapersOnLine, 58, 9, 55-60, 2024, Elsevier

BOOK CHAPTERS

30. Bandic, Medina; Kevric, Jasmin; Keco, Dino; Jukic, Samed; "Majority vote of machine learning methods for real-time epileptic seizure prediction applied on EEG pediatric data", Neurological Disorders and Imaging Physics, IOP Publishing, Volume 5, 2020.
31. Shaari, Hala; Kevric, Jasmin; Saračević, Muzafer; Ahmed, Nureidin; "Performance investigation of several convolutional neural network models in healthcare systems", Blockchain Technology Solutions for the Security of Iot-Based Healthcare Systems, 97-112, 2023, Elsevier

OTHER

32. Lejla Bandic, Naida Nalo, Jasmin Kevric, "Optimal Network Reconfiguration of the Distribution Network for Minimization of Power Loss and Voltage Deviation using NSGA-II Algorithm," Journal of Natural Sciences and Engineering, International Burch University, 2020, <https://omeka.ibu.edu.ba/omeka/items/show/3443>.

V. Dvije objavljene knjige

1. Kečo, Dino; Mašetić, Zerina; Kevrić, Jasmin, "Feature selection and cloud-based parallel genetic algorithms", International Burch University, 2021, ISBN - 978-9958-834-69-1, COBISS.BH-ID - 43708422.
2. Shaari, Hala; Kevrić, Jasmin; Jukić, Samed, "Machine learning algorithms: practical case studies", International Burch University, 2022, ISBN - 978-9958-834-72-1, COBISS.BH-ID - 49297926

https://plus.cobiss.net/cobiss/bh/bs/bib/search?q=jasmin+kevrice&db=cobib&mat=allmaterials&tyf=0_knj&tyf=1_knj_tskknj&ucf=68100

VI. Originalni stručni uspjeh kao što je projekt, patent ili originalni metod

Project Name: ELEMEND (Electrical Energy Markets and Engineering Education)

Date: Oct. 2017 – July 2021

Project Number: 585681-EPP-1-2017-EL-EPPKA2-CBHE-JP

Supported by: Erasmus+ KA2 Capacity Building in Higher Education

Role: Projects Deputy Leaders and WP6 Dissemination leaders

Project Name: Application of Artificial Intelligence in Radio Communication Systems

Date: September 2019 – September 2022

Supported by: Deutsche Forschungsgemeinschaft Project

Role: Researcher

Project Name: SMART4ALL

Date: Sep 2021 – Dec 2021

Supported by: Horizon2020, Knowledge Transfer Experiment (KTE), No 872614

Role: Researcher

Project Name: Sarajevo - Centar Poduzetnistva

Date: Dec 2019 – May 2021

Supported by: EU4Business

Role: Trainer

Project Name: Success (Sustainable University-Enterprise Cooperation for Improving Graduate Employability)

Date: Oct. 2020 – Oct. 2023

Project Number: 618975-EPP-1-2020-1-BA-EPPKA2-CBHE-JP

Supported by: Erasmus+ KA2 Capacity Building in Higher Education

Role: Researcher

Project Name: KALCEA (Knowledge Triangle for a Low Carbon Economy)

Date: Oct. 2020 – Oct. 2023

Project Number: 618109 - EPP-1-2020-1-EL-EPPKA2-CBHE-JP

Supported by: Erasmus+ KA2 Capacity Building in Higher Education

Role: Researcher

VII. Uspješno mentorstvo najmanje po jednog kandidata za stepen drugog ciklusa studija odnosno integrisanog ciklusa studija odnosno ekvivalenta

1. **Eldin Nišić**, Odsjek za elektrotehniku, Fakultet za inženjering, prirodne i medicinske nauke, Internacionalni Burč univerzitet, uspješno odbradio magistarsku tezu dana 24. 09. 2020. godine pod naslovom: „Forecastin electricity load using artifical neural network“.
2. **Nedret Bećirović**, Odsjek za elektrotehniku, Fakultet za inženjering, prirodne i medicinske nauke, Internacionalni Burč univerzitet, uspješno odbradio magistarsku tezu dana 22. 09. 2020. godine pod naslovom: „Low-cost GSM based out door Intercom (Doorphone)“.
3. **Ermin Podrug** – u svojstvu komentora, Odsjek za informacijske tehnologije, Fakultet za inženjering, prirodne i medicinske nauke, Internacionalni Burč univerzitet, uspješno odbradio magistarsku tezu dana 02. 06. 2021. godine pod naslovom: „Legacy Machines incorporation in industry 4.0“.
4. **Abdullah Bjelak**, Odsjek za elektrotehniku, Fakultet za inženjering, prirodne i medicinske nauke, Internacionalni Burč univerzitet, uspješno odbranio magistarsku tezu dana 14. 07. 2023. godine pod naslovom: „The In-Training and Post Training Optimization of Hardware-Based Embedded AI“
5. **Lejla Idrizović**, Odsjek za elektrotehniku, Fakultet za inženjering, prirodne i medicinske nauke, Internacionalni Burč univerzitet, uspješno odbranila magistarsku tezu dana 06. 04. 2023. godine pod naslovom: „Power consumption forecasting using machine learning modelling“
6. **Amar Mujkić**, Odsjek za genetiku i bioinženjering, Fakultet za inženjering, prirodne i medicinske nauke, Internacionalni Burč univerzitet, uspješno odbranio magistarsku tezu dana 09. 09. 2024. godine pod naslovom: „Utilization of Machine Learning Techniques for the identification of Causative Agents in Urinary Tract Infections (UTI) Using Antibiotic Susceptibility Testing Data“
7. **Asja Muharemović**, Odsjek za elektrotehniku, Fakultet za inženjering, prirodne i medicinske nauke, Internacionalni Burč univerzitet, uspješno odbranila magistarsku tezu dana 28. 08. 2024. godine pod naslovom: „Detection of Cattle Behaviours using Neck-Mounted Accelerometry Data“

VIII. Uspješno mentorstvo najmanje jednog kandidata trećeg ciklusa studija odnosno ekvivalenta

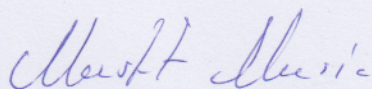
1. **Hala Shaari**, Odsjek za informacijske tehnologije, Fakultet za inženjering, prirodne i medicinske nauke, Internacionalni Burč univerzitet, uspješno odbranila doktorsku disertaciju dana 11. 11. 2022. godine pod naslovom: „Automated Segmentation Of Pediatric Brain Tissues Using GANs-Based Methods“
2. **Katarina Hafner Vuk**, Odsjek za genetiku i bioinženjering, Fakultet za inženjering, prirodne i medicinske nauke, Internacionalni Burč univerzitet, uspješno odbranila doktorsku disertaciju dana 22. 03. 2024. godine pod naslovom: „Comparative Analysis of the Chemical Composition of Helichrysum Italicum Oil from Different Regions of Bosnia and Herzegovina, their Antibacterial, Antioxidative and Antibiofilm Properties and Prediction of their Properties using ml Techniques“
3. **Edip Senyurek**, Odsjek za elektrotehniku, Fakultet za inženjering, prirodne i medicinske nauke, Internacionalni Burč univerzitet, odbrana zakazana za 20.09.2024 pod naslovom: „SerendipityOriented Clustering Method for Recommender Systems based on Collaborative Filtering“

Izveštaj i prijedlog Komisije za izbor u zvanje

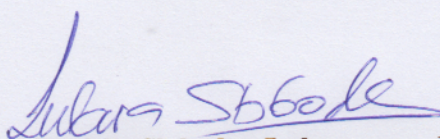
Na Konkurs za izbor nastavnika u zvanje **redovnog profesora** na oblast *Opća elektronika* na **Fakultetu za inženjering, prirodne i medicinske nauke** Internacionalnog Burč univerziteta, od 05.09.2024. objavljenog u dnevnom listu EuroBlic za poziciju broj 1, se prijavio 1 kandidat. Stručna služba organizacione jedinice (sekretar Fakulteta) je potvrdila blagovremenost i urednost pristigle prijave sa uslovima utvrđenim konkursom te dostavila prijave i prateću dokumentaciju.

Na osnovu detaljnog uvida u priloženu dokumentaciju i činjenica da je Kandidat priložio dokaz o provedenom najmanje jednom izbornom periodu u zvanju vanrednog profesora, da je objavio 32 naučna rada u priznatim publikacijama objavljenih nakon izbora u zvanje vanrednog profesora prema listi iz **dijela IV** ovog izvještaja, zatim da je objavio dvije knjige prema **dijelu V** ovog izvještaja, da je priložio dokaz o originalnom stručnom uspjehu (projekt/patent/originalni metod) koji su navedeni u **dijelu VI** ovog izvještaja, da je uspješno mentorisao kandidate/kandidatkinje za stepen drugog ciklusa studija prema **dijelu VII** ovog izvještaja te da je uspješno mentorisao kandidate/kandidatkinje za stepen trećeg ciklusa studija prema **dijelu VIII** ovog izvještaja. Komisija zaključuje da Kandidat **Jasmin Kevrić** ispunjava sve uslove propisane Zakonom o visokom obrazovanju Kantona Sarajevo (Službene novine Kantona Sarajevo, broj 36/22), Statutom Internacionalnog Burč univerziteta i Pravilnikom o izboru u akademska zvanja Internacionalnog Burč univerziteta za izbor nastavnika u zvanje **redovnog profesora** na naučnu oblast **Opća elektronika** na **Fakultetu za inženjering, prirodne i medicinske nauke** Internacionalnog Burč univerziteta.

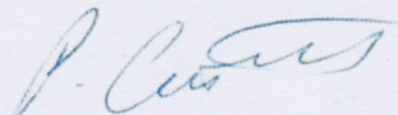
Imajući u vidu navedene činjenice, Komisija predlaže Vijeću **Fakulteta za inženjering, prirodne i medicinske nauke** i Senatu Internacionalnog Burč univerziteta da usvoji ovaj izvještaj i izabere Kandidata **Jasmina Kevrića** u zvanje **redovnog profesora** na oblast **Opća elektronika** na **Fakultetu za inženjering, prirodne i medicinske nauke** Internacionalnog Burč univerziteta.



Prof.dr. Mustafa Musić
(Predsjednik Komisije)



Prof.dr. Slobodan Lubura
(Član Komisije)



Prof.dr. Radovan Stojanović
(Član Komisije)

U Sarajevu, 27.11.2024.