

Publication score assessment for candidate Dejan Jokić - Full Professor

| No. | Publication name | Publication type | Source | Year | Affiliation | (from IBU Rulebook) | Number of authors | (by IBU Rulebook) | Final point | Link/Permanent identifiers for publications |
|-----|---|------------------|---|------|---|---------------------|-------------------|-------------------|-------------|---|
| 1 | What's in the Box: Design of an Open Didactic Robot Environment | Journal article | Electronics. 2020; 9(12):2090. https://doi.org/10.3390/electronics9122090 | 2020 | Department of Electrical and Electronics Engineering, International Burch University, 71000 Sarajevo, Bosnia and Herzegovina | SCIE-CC | 6 | 50% | 20 | https://www.mdpi.com/2079-9292/9/12/2090 |
| 2 | FPGA-based real-time epileptic seizure classification using Artificial Neural Network | Journal article | Biomedical Signal Processing and Control Volume 62, September 2020, 102106 | 2020 | International Burch University, Faculty of Engineering and Natural Sciences, Department of Electrical and Electronics Engineering, Sarajevo, Bosnia and Herzegovina | SCIE-CC | 5 | 75% | 30 | https://www.sciencedirect.com/science/article/abs/pii/S1746809420302615 |
| 3 | Development of a traceable reference system for measurement of power and power quality | Conference paper | 2020 International Symposium on Industrial Electronics and Applications (INDEL) DOI: 10.1109/INDEL50386.2020.9266278 | 2020 | International Burch University, Sarajevo, Bosnia and Herzegovina | SCOPUS | 4 | 100% | 20 | https://ieeexplore.ieee.org/document/9266278 |
| 4 | Acquisition of Learning Outcomes Applying Active Learning Approach and Quality Assurance process at ELEMEND project | Conference paper | 2021 10th Mediterranean Conference on Embedded Computing (MECO), Budva, Montenegro, 2021, pp. 1-5, doi: 10.1109/MECO52532.2021.9460208. | 2021 | Department of Electrical and Electronics Engineering, International Burch University, Sarajevo, Bosnia and Herzegovina | SCOPUS | 6 | 50% | 10 | https://ieeexplore.ieee.org/document/9460208/authors#authors |
| 5 | Frequency locked loops in estimating active, reactive and apparent powers with DC offset elimination | Conference paper | 2021 Selected Issues of Electrical Engineering and Electronics (WZEE), Rzeszow, Poland, 2021, pp. 1-4, doi: 10.1109/WZEE54157.2021.9576903. | 2021 | Faculty of Natural Sciences, International Burch University, Sarajevo, BiH | SOPUS | 3 | 100% | 20 | https://ieeexplore.ieee.org/document/9576903/authors#authors |
| 6 | RoboDK to MATLAB Joint Position Transformation | Conference paper | 2021 Selected Issues of Electrical Engineering and Electronics (WZEE), Rzeszow, Poland, 2021, pp. 1-6, doi: 10.1109/WZEE54157.2021.9576924. | 2021 | Electrical and Electronics Engineering Dept., International Burch University, Sarajevo, Bosnia and Herzegovina | SCOPUS | 3 | 100% | 20 | https://ieeexplore.ieee.org/document/9576924 |
| 7 | Classification of Space Particle Events using Supervised Machine Learning Algorithms | Conference paper | 2021 IEEE 8th International Conference on Data Science and Advanced Analytics (DSAA), Porto, Portugal, 2021, pp. 1-10, doi: 10.1109/DSAA53316.2021.9564114. | 2021 | Faculty of Engineering and Natural Sciences, International Burch University (IBU), Sarajevo, Bosnia and Herzegovina | SCOPUS | 7 | 30% | 6 | https://ieeexplore.ieee.org/abstract/document/9564114/authors#authors |
| 8 | Towards efficient implementation of MLP-ANN classifier on the FPGA-based embedded system | Article | IFAC-PapersOnLine Volume 55, Issue 4, 2022, Pages 207-212 | 2022 | Department of Electrical and Electronics Engineering, International Burch University, 71000 Sarajevo, Bosnia and Herzegovina | SCOPUS | 4 | 100% | 20 | https://www.sciencedirect.com/science/article/pii/S2405896322003494 |
| 9 | Design of ASIC and FPGA system with Supervised Machine Learning Algorithms for Solar Particle Event Hourly Prediction | Article | IFAC-PapersOnLine Volume 55, Issue 4, 2022, Pages 230-235 | 2022 | Department of Electrical and Electronics Engineering, International Burch University, 71000 Sarajevo, Bosnia and Herzegovina | SCOPUS | 7 | 30% | 6 | https://www.sciencedirect.com/science/article/pii/S2405896322003536 |
| 10 | Siemens S7-1200 PLC DC Motor control capabilities | Article | IFAC-PapersOnLine Volume 55, Issue 4, 2022, Pages 103-108 | 2022 | Faculty of Electrical Engineering, International Burch University Sarajevo, Bosnia and Hercegovina | SCOPUS | 3 | 100% | 20 | https://www.sciencedirect.com/science/article/pii/S2405896322003329 |

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| 11 | Experimental platform for measuring DC parameters in Smart Grid Systems | Article | IFAC-PapersOnLine Volume 55, Issue 4, 2022, Pages 85-90 | 2022 | International Burch University in Sarajevo, BIH | SCOPUS | 3 | 100% | 20 | https://www.sciencedirect.com/science/article/pii/S2405896322003299 |
| 12 | PREDICTION OF LIFE CYCLE OF NON-AUTOMATIC WEIGHING INSTRUMENT IN LEGAL METROLOGY | Conference paper | Joint IMEKO TC11 & TC24 hybrid conference Title: Measurement for a better life | 2022 | International Burch University (IBU), Sarajevo, Bosnia and Herzegovina, jasmin.kevric@ibu.edu.ba | SCOPUS | 4 | 100% | 20 | https://www.imeko.org/index.php/proceedings/8877 |
| 13 | Highly Reliable Time-of-Flight L-Shaped Gesture Recognition System | Journal article | European Journal of Engineering and Technology Research. 8, 2 (Apr. 2023), 69–72. DOI: https://doi.org/10.24018/ejeng.2023.8.2.3000 . | 2023 | International Burch University, Bosnia and Herzegovina | Third category | 2 | 100% | 4 | https://eu-opensci.org/index.php/ejeng/article/view/63000 |
| 14 | Primjena DC-FLL u elektronskim brojilima za mjerenje električne energije | Conference paper | ZBORNİK RADOVA, LXVII KONFERENCIJA ETRAN, Istočno Sarajevo, BiH, 05 - 08.06.2023. | 2023 | Fakultet za inženjering i prirodne nauke, Internacionalni Burč Univerzitet, Francuske revolucije bb, 71210, Sarajevo, Bosna i Hercegovina (email: dejan.jokic@ibu.edu.ba), ORCID ID (https://orcid.org/0000-0002-9512-8001) | No index | 3 | 100% | 2 | https://www.etrans.rs/2023/E_ZBORNİK_ETRAN_2023/ETRAN23_RADOVI/AU1.4.pdf |
| 15 | FPGA Technologies for Smart and Sustainable Agriculture: A Comprehensive Overview | Conference paper | 2023 12th Mediterranean Conference on Embedded Computing (MECO) | 2023 | 2023International Burch University, Sarajevo, Bosnia and Herzegovina | SCOPUS | 4 | 100% | 20 | https://ieeexplore.ieee.org/document/10155051/authors#authors |
| 16 | Advantages of early adoption of LabVIEW as industry-standard software in academia | Conference paper | 2023 12th Mediterranean Conference on Embedded Computing (MECO) | 2023 | Electrical and Electronics Engineering Dept., International Burch University, Sarajevo, Bosnia and Herzegovina | SCOPUS | 2 | 100% | 20 | https://ieeexplore.ieee.org/document/10155017/authors#authors |
| 17 | Power Calculations by Using Enhanced Frequency-Locked Loops | Conference paper | 2023 22nd International Symposium on Power Electronics (Ee) | 2023 | Faculty of Engineering, Natural and Medical Sciences, International Burch University, Sarajevo, Bosnia and Herzegovina | No index | 6 | 50% | 2 | https://ieeexplore.ieee.org/document/10346156/authors#authors |
| 18 | Open Source Embedded System Approach for Decreasing Carbon Footprint of Oldtimers | Article | IFAC-PapersOnLine Volume 58, Issue 9, 2024, Pages 55-60 | 2024 | International Burch University in Sarajevo, BIH | SCOPUS | 4 | 100% | 20 | https://www.sciencedirect.com/science/article/pii/S2405896324004609 |
| 19 | Stand-alone solar lighting system with Programmable Logic Controller | Article | IFAC-PapersOnLine Volume 58, Issue 9, 2024, Pages 287-292 | 2024 | Department of Electrical and Electronics Engineering, International Burch University, Sarajevo, Bosnia and Herzegovina | SCOPUS | 5 | 75% | 15 | https://www.sciencedirect.com/science/article/pii/S2405896324005007 |
| 20 | Development and Implementation of Model in MATLAB for Hand Rehabilitation | Conference paper | 2024 XV International Symposium on Industrial Electronics and Applications (INDEL) | 2024 | Department of EEE, International Burch University, Sarajevo, Bosnia and Herzegovina | SCOPUS | 2 | 100% | 20 | https://ieeexplore.ieee.org/document/10772670 |

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| 21 | EXPERIMENTAL ANALYSIS OF KINEMATIC PARAMETERS IN PLANAR MECHANISMS | Conference paper | COMETA 2024 - 7 The INTERNATIONAL SCIENTIFIC CONFERENCE "Conference on Mechanical Engineering Technologies and Application" East Sarajevo, B&H, RS November 14th- 16th 2024 | 2024 | International Burch University, Sarajevo, Bosnia and Herzegovina | No index (this paper will is not counted) | 4 | 100% | 0 | https://cometa.ues.rs.ba/Zbornik2024/Page288-293.pdf |
| 22 | Edge Computing Data Gateway Architecture | Conference paper | 2025 24th International Symposium INFOTEH-JAHORINA (INFOTEH) | 2024 | Department of Electrical and Electronics Engineering, International Burch University, Sarajevo, Bosna i Herzegovina | SCOPUS | 5 | 75% | 15 | https://ieeexplore.ieee.org/document/10959262 |
| 23 | Comparative Analysis of PI and Fuzzy Logic Controllers in a MATLAB-Based Hand Rehabilitation Model | Conference paper | In: Ademović, N., Akšamija, Z., Karabegović, A. (eds) Advanced Technologies, Systems, and Applications X. IAT 2025. Lecture Notes in Networks and Systems, vol 1625. Springer, Cham. https://doi.org/10.1007/978-3-032-05159-2_53 | 2025 | Department of Electrical and Electronics Engineering, International Burch University, Ilidža, Bosnia and Herzegovina | SCOPUS | 3 | 100% | 20 | https://link.springer.com/chapter/10.1007/978-3-032-05159-2_53#citeas |
| 24 | Hand Gesture Recognition for Smart Home Applications Using AlexNet | Conference paper | (eds) Advanced Technologies, Systems, and Applications X. IAT 2025. Lecture Notes in Networks and Systems, vol 1625. Springer, Cham. https://doi.org/10.1007/978-3-032-05159-2_16 | 2025 | International Burch University, Sarajevo, Bosnia and Herzegovina | SCOPUS | 2 | 100% | 20 | https://link.springer.com/chapter/10.1007/978-3-032-05159-2_16#citeas |
| 25 | Rapid Prototyping Techniques of Industrial Environment | Conference paper | 2025 33rd Telecommunications Forum (TELFOR) DOI: 10.1109/TELFOR67910.2025.11314418 | 2025 | International Burch University, Sarajevo, Bosnia and Herzegovina | SCOPUS | 2 | 100% | 20 | https://ieeexplore.ieee.org/abstract/document/11314418 |
| 26 | Real-Time Kinematics Positioning GNSS Landslide Monitoring System-Comprehensive Review | Conference paper | 2025 33rd Telecommunications Forum (TELFOR) DOI: 10.1109/TELFOR67910.2025.11314388 | 2025 | International Burch University, Sarajevo, Bosnia and Herzegovina | SCOPUS | 4 | 100% | 20 | https://ieeexplore.ieee.org/abstract/document/11314388 |
| 27 | Real-Time Kinematics Positioning GNSS Landslide Monitoring System – Hardware Components | Conference paper | 2025 33rd Telecommunications Forum (TELFOR) DOI: 10.1109/TELFOR67910.2025.11314462 | 2025 | International Burch University, Sarajevo, Bosnia and Herzegovina | SCOPUS | 4 | 100% | 20 | https://ieeexplore.ieee.org/document/11314462 |
| 28 | Improving PV Plant Monitoring with a Season-Aware Clustering and Outlier Detection Method | Conference paper | 2026 25th International Symposium INFOTEH-JAHORINA (INFOTEH), DOI: 10.1109/INFOTEH68759.2026.11477600 | 2026 | International Burch University, Sarajevo, Bosnia and Herzegovina | SCOPUS | 4 | 100% | 20 | https://ieeexplore.ieee.org/abstract/document/11477600 |
| TOTAL | | | | | | | | | 450 | |

Publications for Mentorship Substitution (Third Cycle)

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|--------------|--|------------------|--|------|---|--------|---|-----|-----------|---|
| 1 | Dental age assessment based on CBCT images using machine learning algorithms | Journal article | Forensic Science International Volume 334, May 2022, 111245 | 2022 | Faculty of Engineering and Natural Sciences, Department of Electrical and Electronics Engineering, International Burch University, 71000 Sarajevo, Bosnia and Herzegovina | SCIE | 8 | 30% | 12 | https://www.sciencedirect.com/science/article/abs/pii/S0379073822000755 |
| 2 | Deep Learning-Based Studies on Pediatric Brain Tumors Imaging: Narrative Review of Techniques and Challenges | Journal article | Brain Sci. 2021, 11(6), 716; https://doi.org/10.3390/brainsci11060716 | 2021 | Faculty of Engineering and Natural Sciences, International BURCH University, 71000 Sarajevo, Bosnia and Herzegovina | SCIE | 7 | 30% | 12 | https://www.mdpi.com/2076-3425/11/6/716 |
| 3 | Binary Search based Maximum Power Point Tracking Algorithm for Photovoltaic System | Conference paper | 2023 12th Mediterranean Conference on Embedded Computing (MECO) | 2023 | Department of Electrical and Electronics Engineering, International Burch University, Sarajevo, Bosnia and Herzegovina | SCOPUS | 7 | 30% | 6 | https://ieeexplore.ieee.org/abstract/document/10155099/authors#authors |
| TOTAL | | | | | | | | | 30 | |

Books

| | Publication name | Publication type | Publisher | Year | Affiliation | ISBN | Number of authors | Review | Link/DOI |
|---|---|------------------|---|------|--|--------------------|-------------------|----------|---|
| 1 | PROCESNI RAČUNARI zbirka riješenih zadataka | Book | Univerzitet u Istočnom Sarajevu Elektrotehnički fakultet Akademska misao 2025. | 2025 | Internacionalni Burč univerzitet, Fakultet za inženjering, prirodne i medicinske nauke | 978-86-62000-062-0 | 4 | Reviewed | https://akademska-misao.rs/product/procesni-racunari-zbirka-rijesenih-zadataka/ |
| 2 | Komponente sistema automatizacije I Prvo izdanje | Book | Univerzitet u Istočnom Sarajevu Elektrotehnički fakultet Akademska misao 2025. | 2025 | Internacionalni Burč univerzitet, Fakultet za inženjering, prirodne i medicinske nauke | TBA* | 3 | Reviewed | TBA |

Note: Candidate delivered final draft of the book and the Senate decision on publishing the manuscript as a university edition.