

CURRICULUM VITAE

1. **Family name: BOŠKOVIĆ**
2. **First names: DUŠANKA**
3. **Date of birth: 30 June, 1963**
4. **Nationality: BiH**
5. **Civil status: married, two children – age 20 and 17 years**
6. **Education:**

Institution (Date from - Date to)	Degree(s) or Diploma(s) obtained:
Faculty for Electrical Engineering Sarajevo, Computer Science Department, July 2013	Doctor of Science Degree
Faculty for Electrical Engineering Sarajevo, Computer Science Department, April 2004	Master of Science Degree
Loyola University Chicago, Distance Learning Program, 2000-2003	Certificate in Computer Science, Java Programming and Database Applications
Faculty for Electrical Engineering Sarajevo, Automatics and Electronics Department, Oct 1981 – Jun 1986	Diploma Engineer Degree

7. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
Bosnian, Serbian, Croatian (mother tongue)	1	1	1
English	1	2	1
German	3	5	4

8. **Membership of professional bodies:**

- DMBIUBIH - Society for Medical and Biological Engineering in BiH, President of Assembly, (since March 2014)
- IEEE, Institute of Electrical and Electronics Engineers, Food Engineering TAB Ad Hoc Committee (since June 2017)
IEEE Region 8 – Strategic Planning Committee Member (since 2017)
IEEE Region 8 – Vice Chair Member Activities (2015 -2016)
IEEE Bosnia and Herzegovina Section Treasurer (since 2015)
IEEE Bosnia and Herzegovina Section Chair (2011-2014)

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IEEE Bosnia and Herzegovina Section Membership Development Officer (2007-2012)
IEEE Bosnia and Herzegovina Section WIE AG Chair (2007 -2008)

- ACM, Association for Computing Machinery, Member

9. Other skills: (e.g. Computer literacy, etc.)

- ISO 9001 Quality Manager Certificate, The School of Economics and Business in Sarajevo
- High level of computing skills:
 - Software systems: analysis, design and implementation,
 - Office automation: spreadsheet, word processing, presentations,
 - Desktop publishing
- Driving licence B

10. Present position:

- University professor
- IT developer and trainer

11. Professional experience

Date from – Date to	Location	Company	Position
Since February 2014	Sarajevo, BiH	Faculty of Electrical Engineering, University of Sarajevo	Assistant Professor
May 2014 – March 2016	Sarajevo, BiH	EU Funded Technical Assistance Project Implemented by Mott MacDonald Limited Croydon, UK	Non Key Expert (IT Expert)
June 2004 – February 2014	Sarajevo, BiH	Faculty of Electrical Engineering, University of Sarajevo	Research Assistant, Senior Teaching Assistant, Lecturer
October 2012 – June 2014	Western Balkans	Systematic Electronic Exchange of Data (SEED) EU Funded Project Implemented by Agenzia delle Dogane, Italy	Non Key Expert

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Date from – Date to	Location	Company	Position
October 2010 – October 2012	Western Balkans	Systematic Electronic Exchange of Data (SEED) EU Funded Project Implemented by Agenzia delle Dogane, Italy	Short Term Expert
May 2008 – June 2009	Bosnia and Herzegovina, Western Balkans	ITACA Consortium, EU-SEMS Project	IT Expert:
August 2003 - January 2004	Chicago, USA (distance engagement)	Loyola University Chicago, USA	Lecturer
October 2003 - December 2004	Sarajevo, Banja Luka, BiH	Office of the Human Rights Ombudsman	Finance Officer
December 2002 - May 2004	Sarajevo, Zenica, BiH	CHF International– Bosnia and Herzegovina	Consultant Database Developer
September 2000 – February 2001	Sarajevo, BiH	IRC - International Rescue Committee - Bosnia and Herzegovina	Consultant Database Developer
June 1999 – August 1999	Sarajevo, BiH	UNDP Mission to BiH – Village Employment and Environment Programme – VEEP	Consultant Database Developer
May 1999 – December 1999	Sarajevo, Banja Luka, BiH	Office of the Human Rights Ombudsperson	General Consultant
February 1996 - April 1999	Sarajevo, Banja Luka, BiH	Office of the Human Rights Ombudsperson	Head of Administration for Finances, IT and Archive
October 1986 – June 2004	Sarajevo, BiH	Faculty of Electrical Engineering, University of Sarajevo	Research Assistant, Teaching Assistant

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Date from – Date to	Location	Company	Position
June 1986 – February 1991	Sarajevo, BiH	Institute of Computing and Information Systems, Energoinvest Sarajevo	System Engineer

12. Other relevant information

Research Projects:

iMareCulture - Advanced VR, iMmersive serious games and Augmented REality as tools to raise awareness and access to European underwater CULTURal heritage, Horizon 2020 Project, **since 2017**

Federal Ministry for Education and Science Federation Bosnia and Herzegovina: Application of artificial intelligence methods in modelling system for lung cancer diagnosis based on EGFR mutation **(2013 -2014)**

7FP Project "EYE: Empowering Young Researchers," Selected for the Lab Surfing Workshop with the project proposal: [SmartECG] Intelligent ECG Classifier **(2013)**

Federal Ministry for Education and Science Federation Bosnia and Herzegovina: Application of artificial intelligence methods in area of biomedical engineering and bioinformatics **(2008 - 2010)**

DAAD BiHSP Intelligent Agent Framework (IAF) for Software Applications Development **(2006 - 2007)**

Projects Technology Impact on Society:

- Cost Action for Mathematical and Computer Science Methods for Food Science and Industry, CA 15118 Member (since 2016)

- Scientific Heritage: Digitalization of the first doctoral theses at University of Sarajevo, (Ministry of Education and Science Federation Bosnia and Herzegovina, Grant), University of Sarajevo, Position: Project co-ordinator, 2016

- Improving Quality of scientific research through plagiarism prevention – citing and authorship intellectual rights, (Ministry of Education and Science Federation Bosnia and Herzegovina, Grant), University of Sarajevo, Position: team member, 2016

- "Solar Tree", Implemented by the IEEE Student Branch University of Sarajevo, Position: Counsellor, (Ministry of Physical Planning, Constructions and Environmental Protection Canton Sarajevo), 2015-2016

- ORTEZ - Online Digital Theses Repository for UNSA, (Ministry of Education and Science Federation Bosnia and Herzegovina, Grant), University of Sarajevo, Position: Project co-ordinator, 2015

- „Mutual future based on mutual interests“, implemented by the DMBIUBIH and funded by UNSECO, UNICEF and UNDP, 2015

Participated in the following EU funded projects in the area Higher Education: **Structural Measures-Governance Reform and University Management:**

Tempus SMGR 530696-1-2012-1-BE-SMGR: Benchmarking as a tool for improvement of higher education performance, (BIHTEK), 2012 - 2015

Tempus SMGR 511262-1-2010-1-BE: Strategic Management of Higher Education Institutions Based on Integrated Quality Assurance System (SHEQA), 2010-2013

Tempus SMGR 158853-1-2009-1-BE: European Union standards for accreditation of study programs on BH Universities (ESABIH), 2009 - 2012

Tempus SCM-C010B06-2006 (BA): IT Qualifications Framework for Higher Education in BiH, 2007 - 2008

Tempus JEP-UM-19015-2004 Quality Assurance of Higher Education through Accreditation, 2005 - 2008

Tempus JEP-UM-16110-2001: Curriculum Development for Computer Science Studies in BiH, 2002 – 2005

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Conferences:

CMBEBIH 2015 – 1st Conference of Medical and Biological Engineering in Bosnia and Herzegovina, March 2015, Scientific Committee Member

ICAT 2015 - XXV International Conference on Information, Communication and Automation Technologies, October 2015, Publicity Chair

CMBEBIH 2017 – 2nd Conference of Medical and Biological Engineering in Bosnia and Herzegovina, March 2017, Conference Co-Chair

Publications:

- S. Rizvic, D. Boskovic, V. Okanovic, S. Sljivo, Kyrenia - hyper storytelling pilot application. In Proceedings of 15th EUROGRAPHICS Workshop on Graphics and Cultural Heritage, September, 2017
- S. Rizvić, F. Fejzić Čengić, N. Đapo, F. Alispahić, A. Imamović, B. Hadžihalilović, V. Okanović, D. Bošković, Guidelines for interactive digital storytelling presentations of cultural heritage, A Serious Game for Understanding Ancient Seafaring in the Mediterranean Sea. In VS-GAMES 2017, 9th International Conference on Virtual Worlds and Games for Serious Applications, September, 2017
- Philbin-Briscoe O., Simon B., Mudur S., Poullis C., Rizvic S., Boskovic D., Liarokapis F., Katsouri I., Demesticha S., Skarlatos D., A Serious Game for Understanding Ancient Seafaring in the Mediterranean Sea. In VS-GAMES 2017, 9th International Conference on Virtual Worlds and Games for Serious Applications, September, 2017
- Mandžuka M., Begić E., Bošković D., Begić, Z. , Masic I., Mobile Clinical Decision Support System for Acid-base Balance Diagnosis and Treatment Recommendation. Acta Informatica Medica, 25(2), p.121-125, June 2017
- Ackar H, Kico I, Tahirbegovic A, Boskovic D, Tool for Comparative Case Studies of Heart Rate and Heart Rate Variability, Proceedings of the CMBEBIH 2017, IFMBE Proceedings, Springer, March 2017
- Muhedinović H, Bošković D., Design of IoT Solution for Velostat Footprint Pressure Sensor System, International Conference on IoT Technologies for HealthCare, Springer, 171-176, October 2016
- E Žunić, B Žunić, A Djedovic, D Bošković, D Đonko, Successful e-learning concepts and platform in the field of biomedical engineers education, ELMAR, 2016 International Symposium, 277-282
- Žunić E., Djedović, A., Bošković D., Web-based and mobile system for training and improving in the field of electrocardiogram (ECG), 5th Mediterranean Conference on Embedded Computing (MECO 2016), Budva, Monte Negro, June 2016
- A Badnjević, L Gurbeta, D Bošković, Z Džemić, Measurement in medicine–Past, present, future, Folia Medica Facultatis Medicinae Universitatis Saraeviensis 50 (1):43-46, June 2015
- E Vranić, O Rahić, J Hadžiabdić, A Elezović, D Bošković, Opportunities and challenges for utilization of nanoparticles as bioactive drug carriers for the targeted treatment of cancer, Folia Medica Facultatis Medicinae Universitatis Saraeviensis 50 (1):34-39, June 2015
- V. Letic, Z. Avdagic, D. Boskovic, Optimization of ring-star transmission problem in telecommunication systems based on Ant Colony algorithms, 38. International convention on information and communication technology, electronics and microelectronics, Proceeding of MIPRO 2015, , pp 1245-1249, Opatija, Croatia, May 2015
- M Mandzuka, E Begic, Z Begic, D Boskovic, Software for acid-base status disorders management, 38. International convention on information and communication technology, electronics and microelectronics, Proceeding of MIPRO 2015, pp. 360-364, Opatija, Croatia, May 2015.
- D.Bošković, A.Badnjević, Opportunities and challenges in biomedical engineering education: Focus on Bosnia and Herzegovina, 4th Mediterranean Conference on Embedded Computing (MECO 2015), Budva, Monte Negro, June 2015
- A Badnjevic, L Gurbeta, D Boskovic, Z Dzemic, Medical devices in legal metrology, 4th Mediterranean Conference on Embedded Computing (MECO 2015), Budva, Monte Negro, June 2015

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- N.Borovina, D. Bošković, J. Dizdarević, K. Bulja, A. Salihbegović: Heuristic Based Evaluation of Mobile Services Web Portal Usability, Telecommunications Forum (TELFOR), 2014 22nd, Belgrade, Serbia, November 2014
- D Bošković, Z Avdagić, XML-based fuzzy system specification, Proceedings of the X International Symposium on Telecommunications BIHTEL 2014, Sarajevo, Bosnia and Herzegovina, October 2014
- S. Avdaković, I.Omerhodžić, A.Badnjević, D.Bošković, Diagnosis of Epilepsy from EEG Signals using Global Wavelet Power Spectrum, Proceeding of 6th European Conference of the International Federation for Medical and Biological Engineering, Dubrovnik, Croatia, Springer, September 2014
- D.Bošković, Z.Avdagić, Cloning Fuzzy Inference System Component Behaviour with an Artificial Neural Network Component, 36. International convention on information and communication technology, electronics and microelectronics, Proceeding of MIPRO 2013, pp. 1345-1348, Opatija, Croatia, May 2013
- D Boskovic, N Borovina, Heuristic Evaluation in the Human Computer Interaction Course, Proceeding of MIPRO 2013, pp. 1345-1348, Opatija, Croatia, May 2013
- S Kalem, D Donko, D Boskovic, Agile methods for cloud computing, of MIPRO 2013, pp. 1345-1348, Opatija, Croatia, May 2013
- Boskovic D., Besic I., Avdagic Z, Object Oriented Integrated Approach for Design of Scalable ECG Systems, Proceedings of MIE 2009: Medical Informatics in a United and Healthy Europe, Sarajevo, Bosnia and Herzegovina, 2009
- Avdagic Z., Smajevic A., Boskovic D., Track Layout Design Using Modified Genetic Algorithm, Proceedings IEEE International Symposium on Industrial Electronics ISIE 2008, Cambridge, UK, 2008.
- Avdagic Z., Boskovic D., Delic A., Code Evaluation Using Fuzzy Logic, The 9th WSEAS International Conference on Fuzzy Systems, Sofia, Bulgaria, May, 2008.