

ALMIR BADNJEVIĆ

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SUMMARY

IPhD of Electrical Engineering with an experience in Business and Academic Area. Working as Director of Medical Devices Verification Laboratory Verlab Ltd Sarajevo, which is the accredited (ISO 17020 standard) Laboratory named by National Metrology Institute of Bosnia and Herzegovina.

In Academic Area, working as Assistant Professor and Head of Genetics and Bioengineering Department at Faculty of Engineering and Natural Sciences at International Burch University. Also, working as Assistant Professor at Technical Faculty Bihac, University of Bihac and Industry Expert at Faculty of Electrical Engineering Sarajevo, University of Sarajevo.

SKILLS

Science	Speaking
Critical Thinking	Instructing
Judgment and Decision Making	Learning Strategies
Operations Analysis	Time Management
Technology Design	Research
Quality Control Analysis	Presentation
Negotiation	Team Work
Troubleshooting	Motivation

WORK HISTORY

03/2014 — Current

Director

Verlab Ltd. Sarajevo, Bosnia and Herzegovina –Ismeta Mujezinovica 30, 71000 Sarajevo

1. Establishing the Company as Medical Devices Verification Laboratory for the first time in Bosnia in Bosnia and Herzegovina.
2. Company managing and supervising.
3. Lobbying and signing contracts with Business Partners (all private and public healthcare institutions), Banks and other institutions.
4. Reporting Business reports according to Company Management rules.
5. Proposing to the Company Management to adopt normative acts and taking care of the legality of the company business.

6. Defines and improves the internal Organization of the Company.
7. Proposing measures for Business Improvement.
8. Provides resources for current assets funding.
9. Responsible for achievement of all obligations of the job descriptions of employees in the Company.

10/2015 – Current

Assistant Professor, Head of Genetics and Bioengineering Department, International Burch University Sarajevo, Bosnia and Herzegovina –Francuska Revolucije bb, 71000 Sarajevo

1. Assistant Professor at the Courses: Biosensors, Biomedical Instrumentation, Biomedical Signals and Systems, Intelligent Systems.
2. Head of Genetics and Bioengineering Department

09/2016 – Current

**Assistant Professor
Technical Faculty Bihac, University of Bihac –Dr. Irfana Ljubijankica bb, 77000 Bihac**

Assistant Professor at the Courses:

- a) Artificial Intelligence and Expert Systems
- b) Intelligent Systems

02/2012 – Current

**Industry Expert
Faculty of Electrical Engineering Sarajevo, University of Sarajevo –Zmaja od Bosne bb, 71000 Sarajevo**

Industry Expert at the Course: Biomedical Signals and Systems.

03/2014 – Current

**President
Bosnia and Herzegovina Medical and Biological Engineering Society (NGO) – Ismeta Mujezinovica 30, 71000 Sarajevo**

1. Founder of the Society.
2. Managing operations and all Society activities.
3. Representing the Society officially and legally.
4. Organizing IEEE/IFMBE International Conference on Medical and Biological Engineering in Bosnia and Herzegovina (CMBEBIH) from 2015.
5. Organizing Summer Schools for Biomedical Engineering.

06/2013 – 03/2014

**Expert Advisor for Biomedical Engineering and Measurement in Medicine
Micom BH Ltd. Sarajevo –Bacici bb, 71000 Sarajevo**

1. Research for Medical Devices with Measuring Function in all Healthcare Institutions in Bosnia and Herzegovina.
2. Development of Biomedical Engineering in the Bosnia and Herzegovina.
3. Project development and writing the study named: "Measurement in Medicine" for introducing Medical Devices in Legal Metrology System of Bosnia and Herzegovina.
4. The application of the Directives and Standards 93/42 EEC, IEC 60601 and IEC 62353 in Bosnia and Herzegovina.
5. Trainer for Fluke Biomedical Products in the Europe.

06/2010 – 06/2013

**Manager of Technical Department and Quality Manager of Laboratory
New Technology Ltd. Sarajevo –Zmaja od Bosne 90, 71000 Sarajevo**

1. Planning, evaluation and monitoring (technical, financial and organizational) for Technical Department in Company (Offices in Sarajevo, Banja Luka, Tuzla and Bihac).
2. Preventive maintenance, service, independent testing and calibration of devices for blood gas analysis (manufacturer Radiometer), respiratory/ventilation system (Drager, GE, CareFusion, Maquet, Siemens, Acoma, Hamilton, SLE), anesthesia machine's (Drager, GE, TMS.), baby incubators (Drager, GE, Ertunc Ozcan), spirometers (Jaeger, Medicon, Schiller), ergospirometers (CareFusion, GE), infusion and perfusion pumps (Alaris, BBraun) on all Bosnia and Herzegovina area.
3. Contract negotiations with new costumers.
4. Presentation of products and company to the costumers.

EDUCATION

2015

Ph.D.: Electrical Engineering

Faculty of Electrical Engineering and Computing, University of Zagreb –Unska 3, 10000 Zagreb

2010

Master of Science.: Electrical Engineering

Faculty of Electrical Engineering Sarajevo, University of Sarajevo –Zmaja od Bosne bb, 71000 Sarajevo

2008

Bachelor of Science: Electrical Engineering

Faculty of Electrical Engineering Sarajevo, University of Sarajevo –Zmaja od Bosne bb, 71000 Sarajevo

ACCOMPLISHMENTS

1. The best basketball junior player for community Bosanska Krupa, Bosnia and Herzegovina, 2004
2. Established the first Students Council in Bosnia and Herzegovina, 2005.
3. Implemented Project named "Measurement in Medicine", which included 10 different Medical Devices to became a part of Legal Metrology Framework, 2014.
4. CV included in Marquis Who's Who in the World, 2016
5. Organization of the Biggest Scientific Event in the field of Biomedical Engineering in South - East European Area, International Conference on Medical and Biological Engineering (CMBEBIH) with more than 700 participants from 40 different world countries, 2017

CERTIFICATIONS

1. Fluke Biomedical devices by Micom Electronics, Ljubljana, Slovenia, 2014
2. Organization of certification bodies for products according to standard EN 45011 by Croatian Metrology Institute, Zagreb, Croatia, 2013
3. Specialization and training for managment and selling devices for respiratory/ventilation system by CareFusion, Wien, Austria, 2011
4. Specialization for service and application of devices for spirometry, body plethismography, impulse oscillometry and ergometry by CareFusion, Wurzburg, Germany, 2011
5. Specialization for service and application of Anesthesia Systems (Ventilators) (TMS 2xxxV models) by TMS Medical / Ertunc Ozcan, Ankara, Turkey, 2011
6. Specialization for project, service and application of devices for measuring level, pressure, temperature and pH value by Nivelco, Budapest, Hungary, 2011

7. Specialization for service and application of blood gas devices (ABL80, ABL800, AQT90) by Radiometer, Copenhagen, Denmark, 2010
8. Specialization for service and application of devices for respiratory (ventilator) systems - VELA, AVEA, TBIRD, SIPAP, Infant Flow by CareFusion, Wurzburg, Germany, 2010
9. Specialization for ISO standards (ISO 9001 i ISO 17025) by Q Project, Sarajevo, Bosnia and Herzegovina, 2010
10. Specialization and certificate for internal auditor for ISO 9001 and ISO 17025 by Q Project, Sarajevo, Bosnia and Herzegovina, 2010
11. Specialization for service and application of devices for calibration and testing of pressure, flow, humidity, temperature and gas concentration by IMT Medical, Buchs, Switzerland IMT Medical, 2010

PUBLICATIONS

BOOKS:

- [1] Omanović – Mikličanin E., Badnjević A. (2017), “Uvod u nanotehnologiju”, Univerzitet u Sarajevu, ISBN 978-9958-597-56-5
- [2] Badnjević A., (2017), „CMBEBIH 2017: Proceedings of the International Conference on Medical and Biological Engineering 2017” Springer, ISBN 978-981-10-4166-2

BOOK CHAPTERS:

- [1] Badnjević A., Cifrek M., Gurbeta L., Feric E., „Classification of Chronic Obstructive Pulmonary Diseases Based on Neuro-Fuzzy Software“ in the Book: „Chronic Obstructive Pulmonary Disease (COPD): Clinical Symptoms, Emerging Treatment Strategies and Impact on Quality of Life“, 2016, Nova Science Publisher, ISBN: 978-1-63484-500-7, 2016.
- [2] Granulo E, Becar L, Gurbeta L, Badnjević A., „Telemetry System for Diagnosis of Asthma and Chronical Obstructive Pulmonary Disease (COPD)”, Internet of Things Technologies for HealthCare. Mobyen Uddid Ahmed, Shahina Begum, Wasim Raad. Springer International Publishing, 2016, pp. 113-118, DOI:10.1007/978-3-319-51234-1_18

SCIENTIFIC AND PROFESSIONAL ARTICLES PUBLISHED IN THE JOURNALS:

- [1] Badnjević A., Cifrek M., Badnjević A. „Using oscillometry in diagnostic pulmonary diseases“, Healthcare Journal Rauche No 4., 2014., ISSN 2233 – 131X
- [2] Koruga D., Plavec G., Kopitovic I., Cekerevac I., Badnjević A. „Clinical evaluation of lung function with impulse ocellometry – clinical acting and interpretation results“, 2014; Vol 51, No 1-2
- [3] Badnjević A, Gurbeta L, Boskovic D, Dzemic Z. „Measurement in medicine – Past, present, future“, Folia Medica Facultatis Medicinae Universitatis Saraeviensis Journal, 2015; 50(1): 43-46
- [4] Badnjević – Cengić A, Kovacević P, Dragić S, Momčević D, Badnjević A, Gurbeta L, Hasanefendić B. „Serum nitric oxide levels in patients with acute myocardial infarction with ST elevation (STEMI)“, Respiratio Journal, Vol 5, No 1-2, May 2015, ISSN 2233-0216
- [5] Badnjević A, Cifrek M, Koruga D, Osmanković D. „Neuro-fuzzy classification of asthma and chronic obstructive pulmonary disease“ BMC Medical Informatics and Decision Making Journal, 2015, 15(Suppl 3):S1; doi: 10.1186/1472-6947-15-S2-S1

[6] Gurbeta L, Badnjević A., „Inspection process of medical devices in healthcare institutions: software solution“, *Health Technol.* Volume 7, Issue 1, pp 109–117, doi:10.1007/s12553-016-0154-2

[7] Badnjevic A, Gurbeta L, Jimenez E.R., Iadanza E. „Testing of mechanical ventilators and infant incubators in healthcare institutions“ *Technology and Health Care*, vol. 25, no. 2, pp. 237-250, 2017

[8] Dogan S, Nalcaci N, Dogan S, Badnjevic A, Kurtovic A, et al. (2017) Changes in Blood Pressure and Heart Rate Measurement Undergraduate Students During Exam Period. *J Biom Biostat* 8: 347. doi: 10.4172/2155-6180.1000347

[9] Abdel-ilah L, Veljović E, Gurbeta L, Badnjević A. „Applications of QSAR Study in Drug Design“, *International Journal of Engineering Research & Technology (IJERT)*, 6(06), June 2017

[10] Secerovic A, Gurbeta L, Omanovic – Miklicanin E, Badnjevic A., „Genotype Association with Sport Activity: The Impact of ACE and ACTN3 Gene Polymorphism on Athletic Performance“, *International Journal of Engineering Research & Technology (IJERT)*, 6(06), June 2017

[11] Gurbeta, L., Dzemic, Z., Bego, T., Sejdic, E., Badnjevic, A. „Testing of Anesthesia Machines and Defibrillators in Healthcare Institutions“, *J Med Syst* (2017) 41: 133. <https://doi.org/10.1007/s10916-017-0783-7>

SCIENTIFIC AND PROFESSIONAL PAPERS PUBLISHED AT INTERNATIONAL CONFERENCES:

[1] Badnjevic A., Zunic E., Uzunovic T., Osmic N. “Design and Implementation of three- dimensional simulator for control of laboratory model helicopter”, *33rd International Convention on Information and Communication Technology, Electronics and Microelectronics (MIPRO)*, pp:1362-1367, 24.-28. May 2010. Opatija, Croatia.

[2] Uzunovic T., Zunic E., Badnjevic A., Miokovic I., Konjicija S. “Implementation of digital PID controller”, *33rd International Convention on Information and Communication Technology, Electronics and Microelectronics (MIPRO)*, pp:1357-1361, 24.-28. May 2010. Opatija, Croatia.

[3] Velagic J., Osmic N., Uzunovic T., Zunic E., Badnjevic A., “Design of 3D simulator for 2DOF helicopter model control”, *IEEE 52nd International Symposium ELMAR 2010*, pp: 305 – 308, 15. – 17. September 2010 Zadar, Croatia

[4] Uzunovic T, Velagic J., Osmic N., Badnjevic A., Zunic E., “Neural networks for helicopter azimuth and elevation angles control obtained by cloning processes”, *IEEE International Conference on Systems, Man and Cybernetics SMC 2010*, pp:1076-1082, 10. – 13. October 2010 Istanbul, Turkey

[5] Badnjevic A, Beganovic E, Gvozdenovic V, Sehic G. „Automated Closed Loop Controller of Inspired Oxygen System for Improved Mechanical Ventilation in Newborns“, *IEEE 34th International convention on information and communication technology, electronics and microelectronics (MIPRO)*, pp: 145-149, 23.-27. May 2011. Opatija, Croatia

[6] Badnjevic A, Beganovic E, Music O. „Facts about solution based and cartridge based devices for blood gas analyses“, *IEEE 18th International Conference on System, Signals and Image Processing*, pp:1-5, 16-18 June 2011, Sarajevo, Bosnia and Herzegovina.

[7] Badnjevic A, Beganovic E, Sehic G, Badnjevic A, „Disadvantages of methods for power indication during treadmill exercise for ergospirometry test“, *IEEE 35th International convention on information and communication technology, electronics and microelectronics (MIPRO)*, pp: 196-200, 21.-25. May 2012. Opatija, Croatia

- [8] Badnjevic A, Koruga D, Cifrek M, Smith HJ, Bego T. „Interpretation of pulmonary function test results in relation to asthma classification using integrated software suite“, *IEEE 36. International convention on information and communication technology, electronics and microelectronics (MIPRO)*, pp: 140 -144, 21.-25. May 2013. Opatija, Croatia.
- [9] Badnjevic A, Cifrek M, Koruga D. „Integrated software suite for diagnosis of respiratory diseases“, *IEEE International conference on computer as tool (EUROCON)*, pp: 564-568, 01-04. July 2013., Zagreb, Croatia
- [10] Badnjevic A., Cifrek M., Koruga D., „Classification of Chronic Obstructive Pulmonary Disease (COPD) using integrated software suite“, *IFMBE XIII Mediterranean Conference on Medical and Biological Engineering and Computing (MEDICON)*, 25-28. September 2013., Sevilla, Spain.
- [11] Badnjevic A., Cifrek M., „Classification of asthma utilizing integrated software suite“, *6th European Conference of the International Federation for Medical and Biological Engineering (MBEC)*, 07-11. September 2014., Dubrovnik, Croatia
- [12] Avdakovic S., Omerhodzic I., Badnjevic A., Boskovic D., „Diagnosis of Epilepsy from EEG Signals using Global Wavelet Power Spectrum“, *6th European Conference of the International Federation for Medical and Biological Engineering (MBEC)*, 07-11. September 2014., Dubrovnik, Croatia
- [13] Badnjevic A, Gurbeta L, Boskovic D, Dzemic Z. „Medical devices in legal metrology“, *IEEE 4th Mediterranean Conference on Embedded Computing (MECO)*, pp: 365-367, 14 – 18 June 2015, Budva, Montenegro
- [14] Boskovic D, Badnjevic A. „Opportunities and Challenges in Biomedical Engineering Education for Growing Economies“, *IEEE 4th Mediterranean Conference on Embedded Computing (MECO)*, pp: 407-410, 14 – 18 June 2015, Budva, Montenegro
- [15] Gurbeta L, Badnjevic A, Pinjo N, Ljumic F, „ Software Package for Tracking Status of Inspection Dates and Reports of Medical Devices in Healthcare Institutions of Bosnia and Herzegovina“, *XXV International Conference on Information, Communication and Automation Technologies (IEEE ICAT)*, pp:1-5, 29-31 October 2015., Sarajevo, Bosnia and Herzegovina
- [16] Gurbeta L, Badnjevic A, Sejdinovic D, Alic B, Abd El-Ilah L, Zunic E, „Software Solution for Tracking Inspection Processes of Medical Devices from Legal Metrology System“, *XIV Mediterranean Conference on Medical and Biological Engineering and Computing (MEDICON)*, 31. March – 02. April 2016., Paphos, Cyprus.
- [17] Badnjevic A, Gurbeta L, Cifrek M, Marjanovic D, „Diagnostic of Asthma Using Fuzzy Rules Implemented in Accordance with International Guidelines and Physicians Experience“, *IEEE 39th International convention on information and communication technology, electronics and microelectronics (MIPRO)*, 30. May to 03. June 2016. Opatija, Croatia
- [18] Badnjevic A, Gurbeta L, Cifrek M, Marjanovic D, „Classification of Asthma Using Artificial Neural Network“, *IEEE 39th International convention on information and communication technology, electronics and microelectronics (MIPRO)*, 30. May to 03. June 2016. Opatija, Croatia
- [19] Badnjevic A, Gurbeta L, „Development and Perspectives of Biomedical Engineering in South East European Countries“, *IEEE 39th International convention on information and communication technology, electronics and microelectronics (MIPRO)*, 30. May to 03. June 2016. Opatija, Croatia
- [20] Aljovic A, Badnjevic A, Gurbeta L, „Artificial Neural Networks in the Discrimination of Alzheimer's disease Using Biomarkers Data“, *IEEE 5th Mediterranean Conference on Embedded Computing (MECO)*, 12 – 16 June 2016, Bar, Montenegro

- [21] Alic B, Sejdinovic D, Gurbeta L, Badnjevic A, „Classification of Stress Recognition using Artificial Neural Network“, *IEEE 5th Mediterranean Conference on Embedded Computing (MECO)*, 12 – 16 June 2016, Bar, Montenegro
- [22] Fojnica A, Osmanovic A, Badnjevic A, „Dynamical Model of Tuberculosis-Multiple Strain Prediction based on Artificial Neural Network“, *IEEE 5th Mediterranean Conference on Embedded Computing (MECO)*, 12 – 16 June 2016, Bar, Montenegro
- [23] Granulo E, Becar L, Gurbeta L, Badnjevic A, “Telemetry system for diagnosis of Asthma and Chronical Obstructive Pulmonary Disease (COPD)”, *The 3rd EAI International Conference on IoT Technologies for HealthCare*, 18-19 October 2016, Vasteras, Sweden
- [24] Gurbeta L, Badnjevic A, Dzemic Z, Jimenez E.R, Jakupovic A, “Testing of therapeutic ultrasound in healthcare institutions in Bosnia and Herzegovina”, *2nd EAI International Conference on Future Access Enablers of Ubiquitous and Intelligent Infrastructures*, 24-25 October 2016, Belgrade, Serbia
- [25] Veljovic E, Spirtovic – Halilovic S, Muratovic S, Osmanovic A, Badnjevic A, et.al., “Artificial Neural Network and Docking Study in Design and Synthesis of Xanthenes as Antimicrobial Agents”, *CMBEBIH 2017. IFMBE Proceedings, vol 62. pp 617-626, Springer, Singapore*. DOI: 10.1007/978-981-10-4166-2_93
- [26] Alic B, Gurbeta L, Badnjevic A, et.al., “Classification of Metabolic Syndrome patients using implemented Expert System”, *CMBEBIH 2017. IFMBE Proceedings, vol 62. pp 601-607, Springer, Singapore*. DOI: 10.1007/978-981-10-4166-2_91
- [27] Badnjevic A, Gurbeta L, Cifrek M, Pecchia L., “Pre-classification process symptom questionnaire based on fuzzy logic for pulmonary function test cost reduction”, *CMBEBIH 2017. IFMBE Proceedings, vol 62. pp 608-616, Springer, Singapore*. DOI: 10.1007/978-981-10-4166-2_92
- [28] Sejdinovic D, Gurbeta L, Badnjevic A, Malenica M, Dujic T, Causevic A, Bego T, Divovic L, “Classification of prediabetes and Type 2 Diabetes using Artificial Neural Network”, *CMBEBIH 2017. IFMBE Proceedings, vol 62. pp 685-689, Springer, Singapore*. DOI: 10.1007/978-981-10-4166-2_103
- [29] Gurbeta L., Alic B., Dzemic Z., Badnjevic A. (2017) Testing of infusion pumps in healthcare institutions in Bosnia and Herzegovina. In: Eskola H., Väisänen O., Viik J., Hyttinen J. (eds) *EMBEC & NBC 2017. EMBEC 2017, NBC 2017*. IFMBE Proceedings, vol 65. Springer, Singapore
- [30] Gurbeta L., Alic B., Dzemic Z., Badnjevic A. (2017) Testing of dialysis machines in healthcare institutions in Bosnia and Herzegovina. In: Eskola H., Väisänen O., Viik J., Hyttinen J. (eds) *EMBEC & NBC 2017. EMBEC 2017, NBC 2017*. IFMBE Proceedings, vol 65. Springer, Singapore
- [31] B. Alić, L. Gurbeta and A. Badnjević, "Machine learning techniques for classification of diabetes and cardiovascular diseases," *2017 6th Mediterranean Conference on Embedded Computing (MECO)*, Bar, Montenegro, 2017, pp. 1-4. doi: 10.1109/MECO.2017.7977152

SCIENTIFIC AND PROFESSIONAL PAPERS PUBLISHED IN ABSTRACT BOOKS:

- [1] Badnjevic A, Kreso S, Music O. „Remote control and meter reading using the MORSE network”, *10th Conference BH K CIGRE*, 25 – 29 September 2011., Sarajevo Bosnia and Herzegovina.

[2] Badnjevic A, Sehic G, Gvozdenovic V, Beganovic E. „The efficiency of using membrane electrodes for the analysis of gases in the blood of on the real device“, *Collected papers of "May pulmological days" in Republic Srpska – 2011*; 11(1):175-180.

[3] Badnjevic A, Beganovic E, Gvozdenovic V, Sehic G. „Automatic system with closed-loop control of oxygen to improve mechanical ventilation in neonates“, *Collected papers of "May pulmological days" in Republic Srpska – 2011*; 11(1): 266-270.

[4] Badnjevic A, Beganovic E, Sehic G, Badnjevic A. „Advantages and Disadvantages of impulse oscillometry in comparison to spirometry for diagnosis of asthma and other damages of smaller airways“, *Collected papers of "May pulmological days" in Republic Srpska – 2012*;

[5] Badnjevic A, Beganovic E, Cifrek M, Koruga D. „Interpretation of the results of lung function tests for the purpose of classification of diseases of the respiratory system using and integrated software package“, *4th Congress of Respiratory Society of Bosnia and Herzegovina, www.pulmo.co.ba*, 16-18. May 2013, Sarajevo, Bosnia and Herzegovina.

[6] Huskic V, Vardo A, Begic E, Hrvat E, Gurbeta L, Dzibur M, Badnjevic A, Dajic A, Kadic A., „Localization and 2D imaging of ST elevation myocardial infarction using software differentiation“, *1st Conference on Medical and Biological Engineering in Bosnia and Herzegovina (CMBEBIH 2015)*, 13 – 15 March 2015., Sarajevo, Bosnia and Herzegovina

[7] Gurbela L, Badnjevic A., „Medical Devices in Legal Metrology Framework“, *WHO Global Forum on Medical Devices*, 09 – 12 May 2017., Geneva, Switzerland

ADDITIONAL INFORMATION

INVITED LECTURES:

1. Invited Lectured at Balkan Health Forum 2013, Sarajevo, Bosnia and Herzegovina
2. Invited Lecturer at Healthcare Days of Bosnia and Herzegovina 2013, Sarajevo, Bosnia and Herzegovina
3. Invited Lecturer at Balkan Health Forum 2014, Belgrade, Serbia
4. Invited Lecturer at 6th European Conference (MBEC) of IFMBE, 07-11. September 2014., Dubrovnik, Croatia
5. Invited Lecturer at Multitechnic Symposium 2014, Faculty of Mechanical Engineering, University of Sarajevo
6. Invited Lecturer at 1st International Medical Student Congress (SAMED) 2015, Sarajevo, Bosna i Herzegovina
7. Invited Lecturer at Faculty of Electrical Engineering Podgorica and University of Podgorica (Introduction how to make independent verification of Medical Devices as part of Legal Metrology System), 2015, Podgorica, Montenegro
8. Invited Lecturer and Motivation Speech at CEO (Career and Entrepreneurship Opportunities) Conference 2015, Sarajevo, Bosna i Herzegovina
9. Invited Lecturer at 2nd International Medical Student Congress (SAMED) 2016, Sarajevo, Bosna i Herzegovina
10. Invited Lecturer from IEEE Croatia and CROMBES at Faculty of Electrical Engineering and Computing, University of Zagreb about new methods for testing medical devices as part of legal metrology system, 2016, Zagreb, Croatia

11. Invited Lecturer for representatives of Ministry of Health of Serbia, Technical engineers from healthcare institution and private companies in the field of medical devices in Serbia to talk about new methods of testing medical devices as part of legal metrology system, 2016, Belgrade, Serbia

12. TEDx Sarajevo, TEDxStarigrad Speaker, Sarajevo, Bosnia and Herzegovina, 2016

REVIEW AND EDITORIALS:

1. Reviewer at IEEE International Conference on Computer as Tool (EUROCON), 2013

2. Reviewer at Elsevier - International Journal of Electrical Power & Energy Systems, 2014

3. Editorial Board Member at the Journal Rauche from 2014.

4. Reviewer at Springer – Medical & Biological Engineering & Computing Journal, 2014

5. President of the Cardiovascular, Respiratory and Endocrine Systems Engineering session at 6th MBEC Conference, 2014

6. President of the 1st Conference on Medical and Biological Engineering in Bosnia and Herzegovina (CMBEBIH), 2015

7. Member of Organizing Conference IEEE MECO 2015

8. Reviewer at IEEE MECO 2015

9. Reviewer at World Congress on Medical Physics and Biomedical Engineering, Toronto 2015, Canada

10. Reviewer at First Conference on Medical and Biological Engineering in Bosnia and Herzegovina (CMBEBIH 2015)

11. Program Committee Member at IEEE Eurocon 2015

12. Reviewer at IEEE ICAT 2015

13. Member of IEEE international technical committee for cardiopulmonary systems

14. Member of Scientific Committee at IEEE MECO 2016

15. President of Scientific and Editorial Session of IEEE MECO BIOENG.MED 2016

16. Member of Program Committee of IEEE MIPRO 2016

17. President of the Organizing Committee of Workshop: “Emerging eHealth through Internet of Things” at The 3rd EAI International Conference on IoT Technologies for HealthCare, Vasteras, Sweden, 2016

18. President of the IEEE/IFMBE CMBEBIH 2017 Conference

19. Board member of ESEM

20. Member of Editorial Board of Technology and Health Care Journal