



# Tarik Hubana

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## WORK EXPERIENCE

15/11/2018–Present

### Expert Associate for Measurements and Losses

PE Elektroprivreda BiH, Distribution System Operator, Sarajevo (Bosnia and Herzegovina)

- Implementation of new technologies and methods in measurement techniques
- Design and proposal of methods for improvement of the measurement processes
- Electric energy losses analysis and proposals for operative plans for losses reduction
- Analysis of measurement equipment problems and maintenance plans
- Design of standards, technical recommendations and quality management requirements

06/06/2017–15.11.2018

### Lead Technical Executive Engineer

PE Elektroprivreda BiH, Distribution System Operator Mostar, Mostar (Bosnia and Herzegovina)

- Development of maintenance and investment plans
- Management of the electricity measurement process
- Supervision of project implementation
- Maintenance of network and equipment

06/06/2016–06/06/2017

### Power Systems Development Engineer

PE Elektroprivreda BiH, Distribution System Operator Mostar, Mostar (Bosnia and Herzegovina)

- Distribution system analysis
- MV and LV networks projects
- Renewable sources network influence analysis

2013–Present

### Volunteer

IEEE (Institute of Electrical and Electronics Engineers), Sarajevo (Bosnia and Herzegovina)

- Organization and attendance in technical workshops, courses and seminars.
- Work on up-to-date projects in field of electrical engineering (Solar Energy, Electrical Vehicles, and Smart Home Projects).

20/08/2013–20/09/2013

### Electrical Engineer (volunteer)

ALFATHERM d.o.o, Mostar (Bosnia and Herzegovina)

- Automatic system regulation and heating and cooling systems monitoring projects.
- Electrical installations projects.

## EDUCATION

2018 - Present

### Doctor of Technical Sciences, Electrical Engineering

Technical University Graz, Austria

Department: Institute of Electrical Power Systems

Current average grade: 1.0 out of 1.0

2013–2015 **Master of Engineering, Electrical Engineer - Power Systems Engineer**  
 Faculty of Electrical Engineering, University of Sarajevo, Sarajevo (Bosnia and Herzegovina)  
 Department: Power System Engineering  
 Average grade: 9.63 out of 10  
 Master thesis: Fault Estimation in Electric Power Systems using Power Quality Measurements and Artificial Neural Networks

2010–2013 **Bachelor of Engineering, Electrical Engineer - Power System Engineer**  
 Faculty of Electrical Engineering, University of Sarajevo, Sarajevo (Bosnia and Herzegovina)  
 Department: Power System Engineering  
 Average grade: 8.55 out of 10  
 Bachelor thesis: Application of Finite Element Method for Electrostatic Fields Analysis

## PERSONAL SKILLS

Mother tongue(s) Bosnian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C2	C1
Certificates: IEEE Technical English Course I & IEEE Technical English Course II					
German	A2	A2	A1	A2	A1
Certificate - Goethe Institute Sarajevo - Level A2					

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

- Managerial skills**
- Lead Technical Executive Engineer (Management of four departments)
  - eBull - Electric Vehicle Project, Working Group Leader,
  - eKart - Electric Karting, Technical Group Leader,
  - IAS Solar Tree - Solar Tree Project, Technical Group Leader
  - NILMIA Project – Team Leader and Algorithm Developer
  - Full Stack Engineer Project – Team Leader
  - IEEE Student Branch University of Sarajevo Chair (2014-2015)
  - IEEE Industry Applications Society University of Sarajevo Student Branch Chapter Chair (2014-2015)
  - YP IEEE University of Sarajevo Vice-Chair (2014-Present)

- Software skills**
- Microsoft Office,
  - MATLAB,
  - MATLAB Simulink,
  - Flux-2D,
  - COMSOL Multiphysics,
  - EMTP,
  - LabView,
  - AutoCAD,
  - EPLAN Electric P8,
  - Wolfram Alpha,
  - PSIM,
  - PowerCAD,
  - WinDIS,
  - ATP.

- Programming skills**
- C,
  - C++,
  - Visual Basic 6.0,
  - Java,
  - MATLAB,
  - XML,
  - SQL.

## ADDITIONAL INFORMATION

- Professional memberships**
- IEEE (Institute of Electrical and Electronics Engineers)

- IEEE Power and Energy Society
- IEEE Young Professionals
- BH K CIGRE Member
- DNT BiH Member

#### Awards

- 2018 IEEE PES Outstanding Chapter Award, October 2019
- The IEEE President's Coin, December 2018
- 2014 Outstanding Student Branch (SB) Chapter Award, University of Sarajevo SB IAS Chair
- 3rd place at the Innovation Hackathon SYPC Sarajevo 2016 with the start-up project "NILMIA".
- 4th place (team of 3 students) in the international competition 'Elektrijada 2015' in the field of Power Systems Analysis, Bečići, Montenegro, 19-24 May 2015
- 5th place (team of 3 students) in the international competition 'Elektrijada 2014' in the field of Power Systems Analysis, Siófok, Hungary, 7-12 May 2014
- 3rd place (team of 3 students) in the international competition 'Elektrijada 2013' in the field of Power Systems Analysis, Siófok, Hungary, 23-28 May 2013

#### Publishing

- 21 published papers
- Reviewer for 2 IEEE conferences
- Reviewer for 2 Springer conferences