

PROF. DR. IZUDIN DŽAFIĆ  
*Curriculum Vitae*

**Contact Details**

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Address: International University of Sarajevo  
Hrasnička Cesta 15  
71210 Ilidža, Sarajevo  
Bosnia and Herzegovina

e-mail: idzafic@ieee.org

phone: +387 61 919 734

**Education**

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1999–2002 UNIVERSITY OF ZAGREB, CROATIA  
*PhD, Electrical Engineering, July 2002*

1996–1999 UNIVERSITY OF TUZLA, BOSNIA  
*MSc, Electrical Engineering, Sept 1999*

1993–1996 UNIVERSITY OF TUZLA, BOSNIA  
*Dipl.-ing. el. (BSc+ in EE), July 1996*

1990–1992 TMA (TVA), ZAGREB, CROATIA  
*broken, due to the war in 1992*

**Academic Positions**

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2017– Full Professor of Electrical Engineering, International University of Sarajevo (IUS), Sarajevo, Bosnia

2013–2017 Associate Professor of Electrical Engineering, International University of Sarajevo (IUS), Sarajevo, Bosnia

2009–2013 Assistant Professor of Electrical Engineering (visiting), Sarajevo School of Science and Technology, Sarajevo, Bosnia

1999–2003 Senior Teaching Assistant, University of Tuzla, Bosnia

1996–1999 Teaching Assistant, University of Tuzla, Bosnia

**Leading Industrial Positions** (Siemens Power Division, Germany)

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2011–2014 Head of Department and Chief Product Owner (CPO), Smart Grid Division, Siemens AG, Nuremberg, Germany

2010–2011 Head of Department, Smart Grid Division, Siemens AG, Nuremberg, Germany

2006–2010 Project Manager, Smart Grid Division, Siemens AG, Nuremberg, Germany

2004–2006 Senior Software Developer, Smart Grid Division, Siemens AG, Nuremberg, Germany

### **Research Interests**

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Power Systems Optimization and Analysis

Software Engineering

High Performance Computing

Sparse Matrix Ordering and Factorization

Applied mathematics

Power System Visualization

### **Larger Industrial Projects (10+ Mil. €)**

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2011–2013 Component DNA 1.20, Nuremberg, Siemens AG, Chief Product Owner, Project Manager

2011–2011 Component DNA 1.10, Nuremberg, Siemens AG, Project Manager

2010–2013 KCP&L Smart Grid, Missouri, USA, Principal Expert, Project Manager

2009–2013 ONCOR, Texas, USA, Principal Expert, Project Manager

2008–2011 Component DNA 1.0, Nuremberg, Siemens AG, Project Manager

2007–2012 DEWA Control Center, Dubai, United Arab Emirates, Principal Expert, Sub-Project Manager

2005–2009 Salzgitter Industrial Distribution Network, Salzgitter AG, Salzgitter Germany, Principal Expert, Project Manager

2004–2008 Spectrum Control Centers, IBERDROLA, Bilbao-Valencia-Madrid, Spain, Senior Expert

2003–2008 Abu-Dhabi Water and Electricity (ADWEA) Control Center, ADWEA, Abu Dhabi, United Arab Emirates, Senior Expert

### **Research Projects at IUS**

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2017– Fault Location using Transient Data for Distribution Networks - In Work, Siemens AG, Germany, 100.000 EUR (**IUS to obtain 20.000 EUR**)

2016–2017 Fault Location using Transient Data, Siemens AG, Germany, 100.000 EUR (**IUS obtained 20.000 EUR**)

2015–2017 Smart Grid Laboratory, Siemens AG, Germany, 150.000 EUR (**IUS obtained lab equipment in value of 150.000 EUR**)

2015–2015 Consulting for Industrial Project - Iberdrola, Siemens AG, Germany, 70 EUR/h

2014–2015 Industrial Grade Distribution System State Estimation, Siemens AG, Germany, 50.000 EUR (**IUS obtained 10.000 EUR**)

## Journal Papers

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- [1] I. Džafić, R. A. Jabr, and T. Hrnjić, “Hybrid state estimation in complex variables,” *IEEE Transactions on Power Systems*, vol. PP, no. 99, pp. 1–1, 2018.
- [2] I. Džafić and R. A. Jabr, “Real time multiphase state estimation in weakly meshed distribution networks with distributed generation,” *IEEE Transactions on Power Systems*, vol. PP, no. 99, pp. 1–1, 2017.
- [3] I. Džafić, R. A. Jabr, I. Huseinagić, and B. C. Pal, “Multi-phase state estimation featuring industrial-grade distribution network models,” *IEEE Transactions on Smart Grid*, vol. 8, no. 2, pp. 609–618, March 2017.
- [4] R. A. Jabr, I. Džafić, and I. Huseinagić, “Real time optimal reconfiguration of multiphase active distribution networks,” *IEEE Transactions on Smart Grid*, vol. PP, no. 99, pp. 1–1, 2017.
- [5] R. A. Jabr and I. Džafić, “Solution of DC railway traction power flow systems including limited network receptivity,” *IEEE Transactions on Power Systems*, vol. PP, no. 99, pp. 1–1, 2017.
- [6] R. A. Jabr, I. Džafić, and S. Karaki, “Tracking transformer tap position in real-time distribution network power flow applications,” *IEEE Transactions on Smart Grid*, vol. PP, no. 99, pp. 1–9, 2016.
- [7] I. Džafić, R. Jabr, S. Henselmeyer, and T. Donlagic, “Fault location in distribution networks through graph marking,” *IEEE Transactions on Smart Grid*, vol. PP, no. 99, pp. 1–10, 2016.
- [8] R. A. Jabr and I. Džafić, “Sensitivity-based discrete coordinate-descent for Volt/VAr control in distribution networks,” *IEEE Trans. Power Syst.*, vol. 31, no. 6, pp. 4670–4678, Nov 2016.
- [9] R. A. Jabr and I. Džafić, “A compensation-based conic OPF for weakly meshed networks,” *IEEE Trans. Power Syst.*, vol. 31, no. 5, pp. 4167–4168, Sept 2016.
- [10] M. Kantardžić, H. Gavranović, N. Gavranović, I. Džafić, and H. Hanqing, “Improved short term energy load forecasting using Web-based social networks,” *Social Networking*, vol. 4, pp. 119–131, Oct 2015.
- [11] R. A. Jabr and I. Džafić, “A Fortescue approach for real-time short circuit computation in multiphase distribution networks,” *IEEE Trans. Power Syst.*, vol. 30, no. 6, pp. 3276–3285, Nov 2015.
- [12] A. Gómez-Expósito, C. Gómez-Quiles, and I. Džafić, “State estimation in two time scales for smart distribution systems,” *IEEE Trans. Smart Grid*, vol. 6, no. 1, pp. 421–430, Jan 2015.
- [13] R. A. Jabr, I. Džafić, and B. C. Pal, “Robust optimization of storage investment on transmission networks,” *IEEE Trans. Power Syst.*, vol. 30, no. 1, pp. 531–539, Jan 2015.
- [14] I. Džafić, R. A. Jabr, and H. T. Neisius, “Transformer modeling for three-phase distribution network analysis,” *IEEE Trans. Power Syst.*, vol. 30, no. 5, pp. 2604–2611, Sept 2015.
- [15] A. Gómez-Expósito, C. Gómez-Quiles, and I. Džafić, “Hybrid real-complex current injection-based load flow formulation,” *Electric Power Systems Research*, vol. 119, pp. 237–246, Feb 2015.

- [16] I. Džafić, I. Huseinagić, and S. Henselmeyer, “Real time distribution system state estimation based on interior point method,” *Southeast Europe Journal of Soft Computing*, vol. 3, no. 1, pp. 32–38, Mar. 2014.
- [17] I. Džafić, R. A. Jabr, E. Halilović, and B. C. Pal, “A sensitivity approach to model local voltage controllers in distribution networks,” *IEEE Trans. Power Syst.*, vol. 29, no. 3, pp. 1419–1428, May 2014.
- [18] I. Džafić, B. C. Pal, M. Gilles, and S. Henselmeyer, “Generalized  $\pi$  Fortescue equivalent admittance matrix approach to power flow solution,” *IEEE Trans. Power Syst.*, vol. 29, no. 1, pp. 193–202, Jan. 2014.
- [19] I. Džafić, M. Gilles, R. A. Jabr, B. C. Pal, and S. Henselmeyer, “Real time estimation of loads in radial and unsymmetrical three-phase distribution networks,” *IEEE Trans. Power Syst.*, vol. 28, no. 4, pp. 4839–4848, Nov. 2013.
- [20] I. Džafić, H. T. Neisius, M. Gilles, S. Henselmeyer, and V. Landerberger, “Three-phase power flow in distribution networks using Fortescue transformation,” *IEEE Trans. Power Syst.*, vol. 28, no. 2, pp. 1027–1034, May 2013.
- [21] N. Leček and I. Džafić, “Applying event-based framework to support power system integration,” *Lecture Notes in Electrical Engineering*, vol. 114, pp. 167–181, 2012.
- [22] D. Ablakovic, I. Džafić, and H. T. Neisius, “COTS sparse matrix utilization in distribution power flow applications,” *Lecture Notes in Electrical Engineering*, vol. 114, pp. 11–20, 2012.
- [23] I. Džafić and H. T. Neisius, “Quasi-parallel network applications in real-time distribution management system,” *Int. Journal of Innovative Computing and Applications*, vol. 4, no. 1, pp. 3–11, 2012.
- [24] I. Džafić, H. T. Neisius, and P. Mohapatra, “High performance power flow algorithm for symmetrical distribution networks with unbalanced loading,” *Int. Journal of Computer Applications in Technology*, vol. 43, no. 2, pp. 179–187, 2012.
- [25] I. Džafić, P. Mohapatra, and N. Leček, “Model driven real-time power system application development using just-in-time compilation,” *Lecture Notes in Electrical Engineering*, vol. 114, pp. 67–80, 2012.
- [26] I. Džafić, N. Leček, and T. Donlagić, “Self-healing in smart distribution networks using data exchange model and reliable multicast protocol,” *Lecture Notes in Electrical Engineering*, vol. 114, pp. 155–165, 2012.
- [27] T. Haag, T. Meier, and I. Džafić, “High availability archive for time-based data,” *Lecture Notes in Electrical Engineering*, vol. 114, pp. 211–219, 2012.
- [28] I. Džafić, “An object-oriented graphical modeling for power system analysis,” *International Journal of Modelling and Simulation*, vol. 29, no. 1, pp. 71–79, 2009.
- [29] M. Glavić, I. Džafić, and S. Tešnjak, “A general-purpose symbolically assisted numeric computation environment as a support in power engineering education,” *IEEE Trans. Power Syst.*, vol. 20, no. 1, pp. 3–12, Feb. 2005.
- [30] I. Džafić, M. Glavić, and S. Tešnjak, “A component-based power system model-driven architecture,” *IEEE Trans. Power Syst.*, vol. 19, no. 4, pp. 2109–2110, Nov. 2004.

## Conference Papers

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- [1] S. Džakmić, T. Namas, and I. Džafić, “Fault classification using multi-resolution analysis and discrete wavelet transforms,” in *XXVI International Conference on Information, Communication and Automation Technologies (ICAT) 2017*, Oct 2017, pp. 1–6.
- [2] I. Huseinagic, I. Džafić, and R. A. Jabr, “A compensation technique for unsymmetrical three-phase power flow,” in *XI International Symposium on Industrial Electronics - INDEL 2016*, Nov 2016, pp. 1–6.
- [3] A. Gómez-Expósito, C. Gómez-Quiles, and I. Džafić, “State estimation in two time scales for smart distribution systems,” in *2015 IEEE Power Energy Society General Meeting*, July 2015, pp. 1–1.
- [4] D. Ablaković, I. Džafić, R. A. Jabr, and B. C. Pal, “Experience in distribution state estimation preparation and operation in complex radial distribution networks,” in *2014 IEEE PES General Meeting*, July 2014, pp. 1–5.
- [5] Džafić, I., H. E., R. A. Jabr, P. B. C., and D. Ablaković, “Influence of distribution line asymmetry on power flow results,” in *2014 IEEE Power Energy Society General Meeting*, July 2014, pp. 1–5.
- [6] I. Džafić, B. C. Pal, M. Gilles, and S. Henselmeyer, “Generalized  $\pi$  Fortescue equivalent admittance,” in *2014 IEEE Power Energy Society General Meeting*, July 2014, pp. 1–1.
- [7] I. Džafić, I. Huseinagić, M. Musić, and E. Halilović, “Software package for power system analysis,” in *2014 IEEE International Energy Conference (ENERGYCON)*, May 2014, pp. 610–615.
- [8] I. Džafić, I. Muhić, M. Musić, I. Rustempašić, and N. Leček, “Fault location in distribution network using cumulative approach,” in *2013 IEEE EUROCON*, Jul. 2013, pp. 1352–1356.
- [9] N. Leček, I. Džafić, and M. Musić, “Operationally constrained, closed loop voltage VAR control for smart distribution grids,” in *2013 IEEE EUROCON*, Jul. 2013, pp. 1344–1351.
- [10] I. Džafić, J. Sofo, E. Halilović, N. Leček, and M. Musić, “Object-oriented database and user interface design,” in *2013 IEEE EUROCON*, Jul. 2013, pp. 558–563.
- [11] A. Ilo, W. Schaffer, T. Rieder, and I. Džafić, “Dynamische optimierung der verteilnetze – closed loop betriebegebnisse,” in *VDE-Kongress 2012 - Intelligente Energieversorgung der Zukunft*, Jul. 2012, pp. 1–6.
- [12] I. Džafić, N. Leček, and T. Đonlagić, “Data exchange in self-healing applications for power distribution networks,” in *2012 IEEE Power and Energy Society General Meeting*, Jul. 2012, pp. 1–7.
- [13] I. Džafić, S. Henselmeyer, and T. Đonlagić, “Asymmetrical distribution power flow algorithm in Fortescue coordinates,” in *2012 IEEE Power and Energy Society General Meeting*, Jul. 2012, pp. 1–8.
- [14] D. Ablaković, I. Džafić, and S. Keçici, “Parallelization of radial three-phase distribution power flow using GPU,” in *2012 3rd IEEE PES International Conference and Exhibition on Innovative Smart Grid Technologies (ISGT Europe)*, Jul. 2012, pp. 1–7.
- [15] I. Džafić and N. Leček, “Algorithmic approach to data model versioning,” in *2012 3rd IEEE PES International Conference and Exhibition on Innovative Smart Grid Technologies (ISGT Europe)*, Jul. 2012, pp. 1–6.
- [16] I. Džafić, S. Henselmeyer, N. Leček, T. Schwietzke, and D. Ablaković, “Object oriented topology tracing for large scale three phase distribution networks,” in *2012 3rd IEEE PES International Conference and Exhibition on Innovative Smart Grid Technologies (ISGT Europe)*, Jul. 2012, pp. 1–7.

- [17] I. Džafić, T. Donlagić, and S. Henselmeyer, “Fortescue transformations for three-phase power flow analysis in distribution networks,” in *2012 IEEE Power and Energy Society General Meeting*, Jul. 2012, pp. 1–7.
- [18] H.-T. Neisius, I. Džafić, S. Henselmeyer, D. Ablaković, and N. Leček, “Modeling of auto-transformers for load flow calculations,” in *2012 3rd IEEE PES International Conference and Exhibition on Innovative Smart Grid Technologies (ISGT Europe)*, Jul. 2012, pp. 1–6.
- [19] I. Džafić, D. Ablaković, and S. Henselmeyer, “Real-time three-phase state estimation for radial distribution networks,” in *2012 IEEE Power and Energy Society General Meeting*, Jul. 2012, pp. 1–6.
- [20] I. Džafić, H. Neisius, and S. Henselmeyer, “Three phase current iteration power flow method using Fortescue transformations,” in *2012 3rd IEEE PES International Conference and Exhibition on Innovative Smart Grid Technologies (ISGT Europe)*, Jul. 2012, pp. 1–6.
- [21] D. Ablaković, I. Džafić, and H. T. Neisius, “Cots sparse matrix utilization in distribution power flow applications,” in *3rd FTRA International Conference on Computer Science and its Applications*, Dec. 2011, pp. 11–20.
- [22] N. Leček and I. Džafić, “Applying event-based framework to support power system integration,” in *3rd FTRA International Conference on Computer Science and its Applications*, vol. 114, Dec. 2011, pp. 167–181.
- [23] I. Džafić, P. Mohapatra, and N. Leček, “Model driven real-time power system application development using just-in-time compilation,” in *3rd FTRA International Conference on Computer Science and its Applications*, Dec. 2011, pp. 67–80.
- [24] I. Džafić, N. Leček, and T. Donlagić, “Self-healing in smart distribution networks using data exchange model and reliable multicast protocol,” in *3rd FTRA International Conference on Computer Science and its Applications*, Dec. 2011, pp. 155–165.
- [25] T. Haag, T. Meier, and I. Džafić, “High availability archive for time-based data,” in *3rd FTRA International Conference on Computer Science and its Applications*, Dec. 2011, pp. 211–219.
- [26] I. Džafić, H. T. Neisius, and S. Henselmeyer, “Real time distribution system state estimation based on interior point method,” in *17th Power Systems Computation Conference, PSCC*, Aug. 2011, pp. 1–7.
- [27] H. T. Neisius and I. Džafić, “Three phase transformer modeling using symmetrical components,” in *17th Power Systems Computation Conference, PSCC*, Aug. 2011, pp. 1–7.
- [28] I. Džafić and P. Mohapatra, “Impedance based fault location for weakly meshed distribution networks,” in *2011 IEEE PES Innovative Smart Grid Technologies (ISGT)*, Jan. 2011, pp. 1–6.
- [29] H.-T. Neisius and I. Džafić, “Three-phase transformer modeling using symmetrical components,” in *2011 IEEE PES Innovative Smart Grid Technologies (ISGT)*, Jan. 2011, pp. 1–6.
- [30] I. Džafić and H.-T. Neisius, “Generic three-phase power flow methods using symmetrical components for symmetrical and unsymmetrical power system networks,” in *2011 IEEE PES Innovative Smart Grid Technologies (ISGT)*, Jan. 2011, pp. 1–6.
- [31] I. Džafić, S. Henselmeyer, and H.-T. Neisius, “High performance state estimation for smart grid distribution network operation,” in *2011 IEEE PES Innovative Smart Grid Technologies (ISGT)*, Jan. 2011, pp. 1–6.

- [32] I. Džafić, P. Mohapatra, and H.-T. Neisius, “Modeling of automatic local controllers in three phase load flow calculation,” in *IEEE PES Innovative Smart Grid Technologies (ISGT)*, Jan. 2011, pp. 1–5.
- [33] I. Džafić, P. Mohapatra, and H.-T. Neisius, “Composite fault location for distribution management systems,” in *IEEE Conference Proceedings IPEC*, Oct. 2010, pp. 795–800.
- [34] I. Džafić and H.-T. Neisius, “Real-time power flow algorithm for shared memory multiprocessors for European distribution network types,” in *IEEE Conference Proceedings IPEC*, Oct. 2010, pp. 152–158.
- [35] I. Džafić, S. Henselmeyer, and H.-T. Neisius, “Real-time distribution system state estimation,” in *IEEE Conference Proceedings IPEC*, Oct. 2010, pp. 22–27.
- [36] I. Džafić, H.-T. Neisius, and D. Ablaković, “Multi process real-time network applications in distribution management system,” in *IEEE Conference Proceedings IPEC*, Oct. 2010, pp. 340–345.
- [37] I. Džafić, “An object-oriented graphical framework for power system analysis,” in *IEEE International Conference on Power Engineering, Energy and Electrical Drives, POWERENG*, Apr. 2007, pp. 255–264.
- [38] I. Džafić, M. Glavić, and S. Tešnjak, “An object-oriented graphical package for power system simulation and analysis,” in *Proceedings of the 12th IEEE Mediterranean Electrotechnical Conference, MELECON*, vol. 3, May 2004, pp. 835–839.
- [39] I. Džafić, M. Glavić, and S. Tešnjak, “Power system model driven architecture,” in *Proceedings of the 12th IEEE Mediterranean Electrotechnical Conference, MELECON*, vol. 3, May 2004, pp. 823–826.
- [40] M. Glavić, I. Džafić, and S. Tešnjak, “Handling flow limits during maximum loadability determination,” in *Proceedings of the 12th IEEE Mediterranean Electrotechnical Conference, MELECON*, vol. 3, May 2004, pp. 859–864.
- [41] I. Džafić, F. L. Alvarado, M. Glavić, and S. Tešnjak, “A component based approach to power system applications development,” in *14th Power Systems Computation Conference, PSCC*, Jun. 2002, pp. 33:1:1–33:1:7.
- [42] I. Džafić, M. Glavić, and S. Tešnjak, “A general purpose symbolically assisted numeric computation environment for engineering education and research,” in *Proceedings of the 8th Rhine Workshop on Computer Algebra*, Mar. 2002, pp. 127–135.
- [43] I. Džafić, S. Tešnjak, and M. Glavić, “Automatic object-oriented code generation to power system on-line optimization and analysis,” in *21st IASTED International Conference on Modeling, Identification, and Control (MIC 2002)*, Feb. 2002, pp. 620–625.
- [44] I. Džafić, M. Glavić, N. Prljača, and S. Kasumović, “A modification to Newton-Raphson load flow for regular singularity case,” in *8th Annual IASTED International Conference on Modeling and Simulation (MS 2000)*, May. 2000, pp. 158–162.
- [45] I. Džafić, N. Prljača, and M. Glavić, “A client-server architecture for real time data acquisition for generator monitoring,” in *Proceedings of the Third IASTED International Conference on Power and Energy Systems*, Nov. 1999, pp. 498–504.
- [46] I. Džafić, N. Prljača, and M. Glavić, “Internet based real-time power plant surveillance,” in *Internet and Information Systems*, Oct. 1999, pp. 40:1–40:7.

- [47] M. Glavić, N. Prljača, I. Džafić, and S. Kasumović, “Optimum control direction to avoid voltage collapse – application to Bosnian power system,” in *14-th IFAC Congress*, Jul. 1999, pp. 197–201.

### Technical Papers

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- [1] I. Džafić, F. L. Alvarado, M. Glavić, and S. Tešnjak, “Simboličko-komponentna arhitektura za analizu i optimizaciju stacionarnih stanja EES-a,” in *VI Savjetovanje BH K CIGRE*, Sep. 2003.
- [2] I. Džafić, M. Glavić, and S. Tešnjak, “Windows bazirani objektno orijentisani paket za analizu EES-a,” in *VI Savjetovanje BH K CIGRE*, Sep. 2003.
- [3] I. Džafić, N. Prljača, M. Glavić, and S. Mešalić, “Internet based client-server architecture for real-time generator monitoring,” in *IV Savjetovanje BH K CIGRE*, Sep. 1999, pp. 11:26–11:32.

### Books

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- [1] I. Džafić, M. Hodžić, and I. Huseinagić, *Distribution System State Estimation with examples in MATLAB, AMPL and C++*. International University of Sarajevo, (textbook IUS), 2015.
- [2] M. Hodžić, I. Džafić, and S. Selman, *Introduction to optimization theory with applications in power and control*. International University of Sarajevo, (textbook IUS), 2015.
- [3] I. Džafić, E. Halilović, and E. Karamehmedović, *Introduction to Power System Analysis*. International University of Sarajevo, (textbook IUS), 2013.
- [4] I. Džafić and S. Kasumović, *Zbirka riješenih zadataka u C programskom jeziku*. Tuzla: Bosanska riječ, (textbook University of Tuzla), 2000.

### Patents

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- [1] I. Džafić, “Method of estimating a system value,” Patent WO 2016/050 309 A1, Apr 7, 2016.
- [2] I. Džafić, “Method and device for producing a state signal,” Patent US 9 261 864 B2, Feb 16, 2016.
- [3] I. Džafić, “Energy distribution system and method for operating same,” Patent US 2015/0 380 933 A1, Dec 31, 2015.
- [4] I. Džafić, “Method and system for calculating fault indicator indicating a fault in a distribution network,” Patent WO 2015/124 177 A1, Aug 27, 2015.
- [5] I. Džafić, “Energy distribution network,” Patent US 2014/0 371 930 A1, Dec 18, 2014.
- [6] I. Džafić, “Method and system for controlling reactive power in an electric distribution network,” Patent EP 3 024 105 A1, Nov 11, 2014.
- [7] I. Džafić, “Method and device for capturing a fault in an electrical supply grid,” Patent US 8 274 294, EP 2 143 185, Sep 25, 2012.
- [8] I. Džafić, “Method and device for determining load flow in an electrical power supply system,” Patent WO 2008/134 997, Nov 13, 2008.



## **PhD Mentoring**

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2016 Indira Huseinagić, IUS, Sarajevo

## **MSc Mentoring**

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2017 Šejla Džakmić, IUS, Sarajevo

2017 Medina Hromo, IUS, Sarajevo

2017 Naida Fetić, IUS, Sarajevo

2016 Tarik Hrnjić, IUS, Sarajevo

2016 Benjamin Šahović, IUS, Sarajevo

2015 Azra Mehić, IUS, Sarajevo

2012 Jasko Sofo, SSST, Sarajevo

## **Invited Talks**

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2012 Fault Location and Feeder Reconfiguration, FENOSA, Madrid, Spain

2011 Smart Grid applications in Power Distribution Networks, ETF Sarajevo, Bosnia

2008 Distribution System State Estimation, IBERDROLA, Bilbao, Spain

## **Honors and Awards**

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2011 Best paper: 3rd FTRA International Conference on Computer Science and its Applications, Jeju, South Korea, December 12-15, 2011, CSA 2011, Track 5, Paper 22.

## **Acting Reviewer**

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2014– Electric Power Systems Research, Elsevier

2014– International Journal of Electrical Power & Energy Systems, Elsevier

2013– Electric Power Components and Systems, Taylor & Francis

2012– IET Generation, Transmission & Distribution, IET

2011– IEEE Transactions on Smart Grid, IEEE

2010– IEEE Transactions on Power Systems, IEEE

2010– IEEE Transactions on Power Delivery, IEEE

## **Spoken Languages**

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Bosnian Native

German    Excellent (writing and speaking)

English    Excellent (writing and speaking)

Russian    Beginner (school level)

### **Professional Affiliations**

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2013–      Senior Member IEEE

### **Private**

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Family:    Married, two daughters

Sport:     Skiing, Tennis, Hiking, Swimming, Mountain Biking