

PERSONAL INFORMATION



Grigoraş Gheorghe

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Sex Male | Date of birth 28.02.1976 | Nationality Romanian

JOB APPLIED FOR POSITION

Doctoral School of the Electrical Engineering Faculty of "Gheorghe Asachi" Technical University of Ia Romania

WORK EXPERIENCE

2018 – present

Associate Professor

"Gheorghe Asachi" Technical University of Iasi, D. Mangeron Str., No.67., Iasi, 700050, Romania (www.tuiasi.ro)

- Doctoral studies supervisor in the field of Power Engineering: 2 Ph.D. students
- Higher education and research in power engineering; reading courses such as: „Strategies and Optimal Decisions in Power Systems”, „Supervisory and Control of Power Systems”, „Modern Control Techniques”, „Networks and Equipment to Power System Control”, „Modelling and Optimization of Industrial Energy Processes”

2015 – present

Business or sector Higher education and research

Head of Research Laboratory *Availability of Energy Systems Supplied from Renewable Sources*

"Gheorghe Asachi" Technical University of Iasi, D. Mangeron Str., No.67., Iasi, 700050, Romania (www.tuiasi.ro)

- Higher education and research in power engineering; reading courses such as: „Strategies and Optimal Decisions in Power Systems”, „Supervisory and Control of Power Systems”, „Modern Control Techniques”, „Networks and Equipment to Power System Control”, „Modelling and Optimization of Industrial Energy Processes”

2004 - 2018

Business or sector Higher education and research

Lecturer

"Gheorghe Asachi" Technical University of Iasi, D. Mangeron Str., No.67., Iasi, 700050, Romania (www.tuiasi.ro)

- Higher education and research in power engineering; reading courses such as: „Strategies and Optimal Decisions in Power Systems”, „Supervisory and Control of Power Systems”, „Modern Control Techniques”, „Networks and Equipment to Power System Control”, „Modelling and Optimization of Industrial Energy Processes”

2002 - 2004

Business or sector Higher education and research

Assistant Professor

"Gheorghe Asachi" Technical University of Iasi, D. Mangeron Str., No.67., Iasi, 700050, Romania (www.tuiasi.ro)

- Higher education and research in power engineering; laboratory for „Operational Research”, „Power Systems”, „Control of energy processes”

1999 - 2002

Business or sector Higher education and research

Assistant

"Gheorghe Asachi" Technical University of Iasi, D. Mangeron Str., No.67., Iasi, 700050, Romania (www.tuiasi.ro)

- Higher education and research in power engineering; laboratory for „Operational Research”, „Power Systems”, „Control of energy processes”

Business or sector Higher education and research

EDUCATION AND TRAINING

- 2019 **Habilitation in Power engineering**
„Gheorghe Asachi” Technical University of Iasi, D. Mangeron Str., No.67., Iasi, 700050, Romania
▪ Habilitation Thesis: Contributions Concerning the Use of Artificial Intelligence Techniques in the Supervision and Control of Power Systems
- 2006 **Postgraduate diploma in Electro-Energetics Balances**
„Gheorghe Asachi” Technical University of Iasi, D. Mangeron Str., No.67., Iasi, 700050, Romania
▪ Energy management systems for industrial customers and electric utilities.
- 1999 – 2005 **Doctor of Philosophy in Power engineering**
„Gheorghe Asachi” Technical University of Iasi, D. Mangeron Str., No.67., Iasi, 700050, Romania
▪ PhD Thesis: New techniques in the supervisory and control of power systems
- 1994 -2000 **Master in Power Engineering**
„Gheorghe Asachi” Technical University of Iasi, D. Mangeron Str., No.67., Iasi, 700050, Romania
▪ Electrical Engineering, Power Systems Engineering
- 1990 -1994 **High school Diploma**
“Ion Luca” High School, Vatra Dornei, Suceava
▪ High School

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Replace with name of language certificate. Enter level if known.					
French	A1	A1	A1	A1	A1
Replace with name of language certificate. Enter level if known.					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- Ability to work in a team, developed within grants and research contracts made with national authorities and industry partners.
- Pedagogical skills in working with students.
- Receptivity and rapid adaptation to new technologies in the field.

Organisational / managerial skills

- Head of Research Laboratory “Availability of Energy Systems Supplied from Renewable Sources”;
- Member in the Editorial Board of 3 journals indexed in the international database: Inventi Impact Journal, SCIREA Journal of Energy and Network and Communication Technologies.
- General Chairman of 4 international conferences: 2nd International Conference on Electronical, Mechanical and Materials Engineering (ICE2ME2020), Xiamen, China, 2020; 2nd International Conference on Energy, Power, Environment and Computer Application (ICEPECA2020), Xiamen, China, 2020; 2nd International Conference on Software, Multimedia and Communications Engineering, Shanghai, China, 2017 and International Conference on Education, Management and Systems Engineering, Phuket, Thailand, 2015.
- Member of the Scientific Committee in over 80 international conferences from the USA, Canada, England, Netherlands, Australia, China, Malaysia, Thailand, Taiwan, Romania.

Digital skills

- good command of MS office tools (Word, Excel, Power point, Access),
- good command of programming languages as Matlab,
- good command for specialized software applications for power systems analysis (DigSilent Power Factory, Neplan, PowerWorld, Simulink PoweSys - Matlab).

Driving licence

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ADDITIONAL INFORMATION

Publications

- 10 books and chapter books in recognized international publishing houses (of which 7 as first author or single author);
- 14 books and chapter book in recognized national publishing houses (of which 5 as first or single author);
- 14 papers published in WoS journals (of which 4 in Q1 zone, 1 in Q2, and 7 in Q3 zone);
- 61 papers published in WoS Proceedings;
- 12 papers published in journals indexed in international databases;
- 20 papers published in conferences indexed in international databases;
- 59 papers published in journals recognized by CNCSIS;
- 85 papers in proceedings of international/national scientific conferences non-indexed;
- 2 patent applications in the database Derwent Innovations;
- 9 national grants, of which 2 as director;
- 14 research contracts with economic companies, as member in research team;

Significant publications:

- Gheorghe Grigoraș, Ovidiu Ivanov, Bogdan-Constantin Neagu, Pragma Kar, Smart Metering Based Strategies for Improving Energy Efficiency in Microgrids, chapter in the book "Microgrid Architectures, Control and Protection Methods, Editors: Naser Mahdavi Tabatabaei, Ersan Kabalci, Nicu Bizon, Springer International Publishing, Switzerland, 2020, ISBN: 978-3-030-23723-3.
- Gheorghe Grigoraș, Bogdan-Constantin Neagu, Ovidiu Ivanov, Florina Scarlatache, Smart Meter Data-based Strategies in the Optimal Operation of Electric Distribution Systems, Lambert Academic Publishing, Riga, Lithuania, 2019, ISBN: 978-620-0-50306-0.
- Gheorghe Grigoraș, Impact of smart meter implementation on saving electricity in distribution networks in Romania, Chapter in the book "Application of Smart Grid Technologies. Case Studies in Saving Electricity in Different Parts of the World", Editors: Lisa Ann Lamont Ali Sayigh, Academic Press - Elsevier, Londra, UK, 2018, ISBN: ISBN 978-0-12-803128-5.
- Gheorghe Grigoraș, Electrical Energy Consumption Forecasting to Improve Energy Efficiency of Water Distribution Systems, Chapter in the book: "Energy Harvesting and Energy Efficiency. Technology, Methods, and Applications", Editors: Nicu Bizon, Naser Mahdavi Tabatabaei, Frede Blaabjerg, Erol Kurt, Springer International Publishing, Switzerland, 2017, ISBN: 978-3-319-49874-4.
- Gheorghe Grigoraș, Florina Scarlatache, An assessment of the renewable energy potential using clustering based data mining method. Case study in Romania, Energy, Volume 81, pp. 416–429, 2015, ISSN: 0360-5442 (Impact Factor: 5.537).
- Gheorghe Grigoraș, Cecilia Barbulescu, Human errors monitoring in electrical transmission networks based on a partitioning algorithm, International Journal of Electrical Power and Energy Systems, vol. 49, pp. 128–136, 2013, ISSN: 0142-0615 (Impact Factor: 4.418)
- Florina Rotaru, Gianfranco Chicco, Gheorghe Grigoraș, Gheorghe Cârțină, Two-stage distributed generation optimal sizing with clustering-based node selection, International Journal of Electrical Power & Energy Systems, Vol. 40, Nr. 1, pp. 120–129, 2012, ISSN: 0142-0615 (Impact Factor: 4.418)
- Gheorghe Grigoras, Bogdan-Constantin Neagu, Smart Meter Data-Based Three-Stage Algorithm to Calculate Power and Energy Losses in Low Voltage Distribution Networks, Energies, Vol. 12(15), 3008, 2019, ISSN 1996-1073 (Impact Factor: 2.707).
- Gheorghe Grigoras, Bogdan-Constantin Neagu, Florina Scarlatache, Romeo Ciobanu, Identification of pilot nodes for secondary voltage control using K-means clustering algorithm, IEEE 26th International Symposium on Industrial Electronics (ISIE), Edinburgh, United Kingdom, pp. 106-110, 2017.
- Gheorghe Grigoraș, Gheorghe Cârțină, Elena Crenguța Bobric, An improved fuzzy method for energy losses evaluation in distribution networks, 15th IEEE Mediterranean Electrotechnical Conference (MELECON), Valletta, Malta, pp. 131 – 135, 2010.

Journals/Conferences

- Guest Editor to WoS Journals: Energies 2016 (Q3 zone) and Mathematics 2019 (Q1 zone)
- Member in the Editorial Board of the journals: Inventi Impact Journals, SCIREA Journal of Energy and Network and Communication Technologies.
- Member of the IJACSA Awards Committee (International Journal of Advanced Computer Science and Applications (journal indexed WoS)) in 2013.
- Member of the Scientific Committee in over 80 international conferences indexed WoS and in other international databases from the USA, Canada, China, Taiwan, Indonesia, Australia, the UK, Netherlands, and Romania;
- General Chairman of four international conferences: 2nd International Conference on Electronical, Mechanical and Materials Engineering (ICE2ME2020), Xiamen, China, 2020; 2nd International

Conference on Energy, Power, Environment and Computer Application (ICEPECA2020), Xiamen, China, 2020; 2nd International Conference on Software, Multimedia and Communications Engineering, Shanghai, China, 2017 and International Conference on Education, Management and Systems Engineering, Phuket, Thailand, 2015.

- Session Chairman at International Conference on Electrical and Power Engineering EPE 2010, 2012, 2014, 2016 și 2018, International Conference on Electronics, Computers and Artificial Intelligence (ECAI 2018), 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE 2019), International Conference on Modern Power Systems (MPS 2019).

- Member in the review board of WoS journals: IEEE Transaction on Power Systems, IEEE Transactions on Smart Grid, IEEE Transactions on Industrial Electronics, IEEE Transactions on Sustainable Computing, Energy - Elsevier, Energy Journal; Journal of Computational Science - Elsevier, Energies, COMPEL - The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, IET Generation, Transmission & Distribution, IET Renewable Power Generation

- Member in the Review Board of BDI indexed journals: WSEAS Transaction on Power Systems; WSEAS Transactions on Systems and Control Journal; Network and Communication Technologies; International Journal of Industrial Engineering: Theory, Applications and Practice, IET Smart Grid

- over 850 reviews in journals and conferences indexed WoS or in other international databases.

Honours and awards

- 5 national awards for research results published in impact factor journals obtained in 2009, 2012, 2013, 2015 and 2019.

- The "Top Peer Reviewer" award given by Publons - WoS Group for ranking in the top 1% worldwide for reviews made in WoS journals between 2018 and 2019.

Memberships

Member of International Association of Engineers (IAENG);

Member of World Academy of Science, Engineering and Technology (WASET)

Hirsh Indices

WOS 7; Scopus 10; Google Scholar 15, ResearchGate 19,43

Web of Science Researcher ID: B-2006-2017

<http://orcid.org/0000-0003-3811-6298>