

## GRIGORAȘ GHEORGHE



LOCUL DE MUNCA PENTRU  
CARE SE CANDIDEAZĂ



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Profesor, Universitatea Tehnică "Gheorghe Asachi" din Iași,  
Facultatea de Inginerie Electrică, Energetică și Informatică Aplicată

### EXPERIENȚA PROFESIONALĂ

Funcția sau postul ocupat

2018 - prezent: Conferențiar – Universitatea Tehnică *Gheorghe Asachi* din Iași  
2015 – prezent: Coordonatorul laboratorului de cercetare "Ingineria disponibilității  
Sistemelor energetice alimentate din surse regenerabile (INDISREG)"  
Platforma ENERED - Universitatea Tehnică *Gheorghe Asachi* din Iași  
2004 – 2018: Șef Lucrări – Universitatea Tehnică *Gheorghe Asachi* din Iași  
2001 – 2004: Asistent universitar – Universitatea Tehnică *Gheorghe Asachi* din Iași  
1999 – 2001: Preparatur universitar – Universitatea Tehnică *Gheorghe Asachi* din Iași

Activități și responsabilități

Activitatea didactică și științifică:

- Titularul cursurilor "Strategii și decizii optime în energetică", "Modelarea și optimizarea proceselor energetice industriale", "Sisteme de conducere, supraveghere și achiziții de date", "Rețele și echipamente pentru conducerea sistemelor energetice" la programele de studii de licență, și al cursului "Tehnici moderne de conducere", la programul de studii de master.
- Conducător de doctorat în domeniul Inginerie Energetică din 2019: 7 doctoranzi în stagi.
- Tematici abordate în cercetare:
  - Planificarea și exploatarea optimă a sistemelor electroenergetice;
  - Politici și Strategii energetice;
  - Creșterea eficienței energetice în procesele energetice;
  - Aplicarea tehnicilor de Inteligență Artificială în conducerea și supravegherea rețelelor electrice;
  - Smart Grids.

Numele și adresa angajatorului

Universitatea Tehnică *Gheorghe Asachi* din Iași  
Prof. dr. doc. Dimitrie Mangeron, 21-23, 700050, Iași, România

### EDUCAȚIE ȘI FORMARE

Perioada 2019

Calificarea/Diploma obținută Atestat de Abilitare în domeniul de doctorat "Inginerie Energetică" nr. 4619/30.07.2019

Perioada 2003-2004

Calificarea/Diploma obținută Diplomă Cursuri postuniversitare în specializarea Bilanțuri Electroenergetice

Numele instituției de învățământ Universitatea Tehnică *Gheorghe Asachi* din Iași

Perioada 1999 - 2005

Calificarea/Diploma obținută Diplomă de Doctor inginer în Inginerie Energetică

Numele instituției de învățământ Universitatea Tehnică *Gheorghe Asachi* din Iași

Perioada 1999 – 2000

Calificarea/Diploma obținută Diploma de Studii Aprofundate în specializarea *Optimizarea structurii și regimurilor instalațiilor electroenergetice*

Numele instituției de Universitatea Tehnică *Gheorghe Asachi* din Iași



Învățământ	1994 - 1999
Perioada	1994 - 1999
Calificarea/Diploma obținută	Diplomă de inginer
Numele instituției de învățământ	Universitatea Tehnică <i>Gheorghe Asachi</i> din Iași
Perioada	1990 - 1994
Calificarea/Diploma obținută	Diplomă de Bacalaureat
Numele instituției de învățământ	Grup Școlar Industrial Vatra Dornei

## APTITUDINI ȘI COMPETENTE PERSONALE

Limba(i) maternă(e) Română

Alte limbi străine cunoscute	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Limba engleză	B2 Utilizator independent	B2 Utilizator independent	B2 Utilizator independent	B2 Utilizator independent	B2 Utilizator independent
Limba franceză	A2 Utilizator independent	A2 Utilizator independent	A2 Utilizator independent	A2 Utilizator independent	A2 Utilizator independent

### Competențe și abilități sociale

- Abilitatea de a lucra în echipă, dezvoltată în cadrul a 23 granturi și contracte de cercetare realizate cu autoritățile naționale și parteneri din industrie, 3 ca director/responsabil.
- Abilități pedagogice în lucrul cu studenții.
- Competențe de comunicare, dobândite prin experiența de cadru didactic, coordonator al Comisiei de Orar (12 ani) și membru al Consiliului Facultății (10 ani).
- Receptivitate și adaptare rapidă la noile tehnologii în domeniu.

### Competențe și aptitudini organizatorice

- Responsabilul laboratorului de cercetare *Ingineria disponibilității sistemelor energetice alimentate din surse regenerabile (INDISREG)*, Platforma de cercetare ENERED, Universitatea Tehnică "Gheorghe Asachi" din Iași, <https://eeriis.eu/ERIF-2000-000G-0868>
- Responsabilul Departamentului „Management energetic/Optimizarea calității energiei electrice” din cadrul Centrului de Cercetare „Ingineria Sistemelor Electroenergetice - ENEREG”, <https://eeriis.eu/ERIF-2000-000B-0637>
- Experiență în managementul proiectelor - director la 2 granturi câștigate prin competiție UEFISCDI și un grant intern finanțat de Universitatea Tehnică "Gheorghe Asachi" din Iași.
- Membru al Consiliului Facultății IEEIA pentru a patra legislatură de patru ani (din 2010).
- Membru al Biroului Consiliului Departamentului de Energetică, Facultatea IEEIA (2010 – 2012).
- Responsabil Acreditare Școala Doctorală a Universității Tehnice "Gheorghe Asachi" din Iași – Domeniul Inginerie Energetică
- Coordonatorul comisiei de orar (2008 - 2020) - Facultatea IEEIA, Universitatea Tehnică "Gheorghe Asachi" din Iași.
- Responsabil program studii de licență *Ingineria Sistemelor Electroenergetice (2016 – 2017) și Managementul Energiei (2018 – 2021)*
- Membru Comisia de organizare a activității de practică tehnologică 2000 – 2004.
- Membru în Comitetul Științific al revistei *International Journal of Advanced Computer Science and Applications* (indexată WoS) pentru premiarea celei mai bune lucrări publicate în anul 2013 ( <https://thesai.org/Publications/BestPaperAward> ), fiind responsabil pentru desemnarea celei mai bune lucrări publicate în luna februarie 2013
- Topic Editor – *Mathematics* (FI =2,258 , Q1)



[https://www.mdpi.com/journal/mathematics/topical\\_advisory\\_panel](https://www.mdpi.com/journal/mathematics/topical_advisory_panel),

- Editor invitat la trei jurnale indexate WoS:
  - *Energies* (FI = 3,004, Q2 în 2016), Număr Special 2016 "Selected Papers from 2016 International Conference on New Energy and Future Energy System (NEFES2016)" [https://www.mdpi.com/journal/energies/special\\_issues/NEFES2016](https://www.mdpi.com/journal/energies/special_issues/NEFES2016)
  - *Mathematics* (FI = 2,258, Q1), Număr Special 2019/2020 "Mathematical Methods applied in Power Systems", [https://www.mdpi.com/journal/mathematics/special\\_issues/mathematical\\_methods](https://www.mdpi.com/journal/mathematics/special_issues/mathematical_methods)
  - *Mathematics* (FI = 2,258, Q1), Număr Special 2020/2021 "Advanced Mathematical Methods in Optimal Operation and Planning of Active Distribution Networks" [https://www.mdpi.com/journal/mathematics/special\\_issues/Math\\_Operation\\_Plan](https://www.mdpi.com/journal/mathematics/special_issues/Math_Operation_Plan)
  - *Applied Sciences*: (FI = 2,679, Q2), Număr Special 2020/2021 "Wind Energy: Actual Trends, Implementations and Future Developments" [https://www.mdpi.com/journal/applsci/special\\_issues/wind\\_energy\\_2021](https://www.mdpi.com/journal/applsci/special_issues/wind_energy_2021)

Chairman general la 8 conferințe internaționale:

- *2nd International Conference on Software, Multimedia and Communications Engineering*, Shanghai, China, 2017, <http://www.smce2017.org/com.html>
- *International Conference on Education, Management and Systems Engineering*, Phuket, Thailand, 2015, <http://www.emse2015.org/com.html>
- *2nd International Conference on Energy, Power, Environment and Computer Application* (ICEPECA2020), Xiamen, China, November 15-16, 2020, <http://www.icepeca2020.org/com.html>
- *2nd International Conference on Electronical, Mechanical and Materials Engineering* (ICE2ME2020), December 20-21, 2020, <http://www.ice2me2020.org/com.html>
- *2021 International Conference on Energy, Environment, Epidemiology and Information System* (IC3EIS2021), 26-27 Septembrie, 2021, Beijing, China, <http://www.ic3eis.org/com.html>
- *International Conference on Mathematics, Big Data and Intelligent Computing* (MBDIC2021), Shanghai, China, 4-5 Iulie, 2021, <http://www.mbdic2021.org/com.html>
- *3rd International Conference on Energy, Power, Environment and Computer Application* (ICEPECA2021), Xiamen, China, 17-18 Decembrie, 2021 <http://icepeca2021.org/com.html>
- *2nd International Conference on Energy, Power and Environmental System Engineering* (ICEPESE2021), Shanghai, China, July 4-5, 2021, <http://www.icepese2021.org/com.html>
- Chairman de secțiune: International Conference and Exposition on Electrical and Power Engineering (EPE) 2010, 2012, 2014, 2016 și 2018, 2020, International Conference Electronics, Computers and Artificial Intelligence (ECAI) 2018, 2020, 2021 International Symposium on Advanced Topics in Electrical Engineering (ATEE) 2019, International Conference on Modern Power Systems (MPS) 2019, 2021, International Conference on Energy and Environment (CIEM) 2021.
- Membru în Comitetul Științific la peste 150 de conferințe internaționale din SUA, Canada, Anglia, Australia, Olanda, China, Malaiezia, Tailanda, Taiwan, Romania.
- Membru în Comitetul Editorial la 4 reviste indexate BDI.

### Competențe și aptitudini dobândite la locul de muncă

- Domenii de expertiză în cercetare: Planificarea și exploatarea optimă a sistemelor electroenergetice; Politici și Strategii energetice; Creșterea eficienței energetice în procesele energetice; Aplicarea tehnicilor de Inteligență Artificială în conducerea și supravegherea rețelelor electrice; Smart Grids;
- capacitatea de utilizarea a tehnologiilor informatice în procesul didactic de predare pentru studenți la disciplinele din programele de licență și master și susținere de prelegeri în cadrul "Programului de perfecționare în vederea autorizării ANRE" și "Programului de Cursuri Postuniversitare – Eficiență Energetică" organizat de Facultatea de Inginerie Electrică, Energetică și Informatică Aplicată.
- Cunoștințe profesionale în domenii prioritare ale cercetării științifice din ingineria



energetică: conducerea și supravegherea sistemelor electroenergetice; dezvoltarea de strategii de planificare și dezvoltarea a sistemelor electroenergetice; eficiență energetică; aplicarea tehnicilor de Inteligență Artificială în procesele energetice; Smart Grids.

- Competențe în evaluarea lucrărilor științifice: peste 1450 de lucrări de recenzii pentru jurnale și conferințe naționale și internaționale indexate WoS și BDI.
- Director la trei granturi de cercetare și membru în alte 20 granturi și contracte de cercetare realizate cu autoritățile naționale și parteneri din industrie.
- Competențe în evaluarea proiectelor de cercetare științifică coordonate de CNCSIS, ARUT.

## Publicații

- 3 cărți publicate cu caracter științific în edituri internaționale;
- 19 cărți publicate cu caracter didactic și științific în edituri naționale (una în limba engleză);
- 10 capitole de carte cu caracter științific publicate în edituri internaționale, dintre care 3 indexate WoS;
- 26 articole publicate în reviste indexate WoS (dintre care 11 în zona Q1 și 4 în zona Q2)
- 69 articole publicate în volumele unor manifestări științifice indexate WoS Proceedings;
- 100 articole publicate în reviste/ volumele unor manifestări științifice indexate BDI\*;
- 2 cereri de brevet indexate în baza de date Derwent Innovation;
- peste 450 citări în reviste și volumele unor manifestări științifice indexate WoS și BDI\*.

\*baze de date recunoscute în standardele minimale naționale impuse pentru domeniul Inginerie Energetică

## Competențe și aptitudini de utilizare a calculatorului

- JMP – Program de prelucrări statice;
- Matlab;
- Programe de modelare și simulare în energetică: DigSilent, PowerWorld, Neplan, Simulink-Matlab;
- Microsoft Office: Word, Excel, PowerPoint.

## Informații suplimentare

- **Membru în colectivul editorial al jurnalelor internaționale:**
  - Mathematics (Q1):  
[https://www.mdpi.com/journal/mathematics/topical\\_advisory\\_panel](https://www.mdpi.com/journal/mathematics/topical_advisory_panel)
  - SCIREA Journal of Energy  
<http://www.scirea.org/journal/EditorialBoard?JournalID=48000>
  - International Journal of Artificial Intelligence and Machine Learning  
(<https://www.svedbergopen.com/International-Journal-of-Artificial-Intelligence-and-Machine-Learning/Editorial-Board>)
- **Membru în colectivul de recenzie al jurnalelor indexate WoS:** IEEE Transactions on Smart Grid, Applied Energy, IEEE Transactions on Industrial, IEEE Transaction on Power Systems, Energy, IET Renewable Power Generation, IET Generation, Transmission & Distribution, Journal of Computational Science, Energies.
- **Membru în colectivul de recenzie al jurnalelor indexate BDI:** WSEAS Transsaction on Power Systems; WSEAS Transactions on Systems and Control Journal; Network and Communication Technologies; International Journal of Industrial Engineering: Theory, Applications and Practice, IEEE Transactions on Sustainable Computing.
- **Membru în comitetul științific al conferințelor internaționale** (peste 130 conferințe), dintre care în ultimii 3 ani:
  - *Future Technologies Conference (FTC 2021)*, 28-29 Octombrie 2021, Vancouver, Canada.
  - *Intelligent Systems Conference (IntelliSys)*, 2-3 Septembrie, 2021, Amsterdam, Olanda.
  - *15th IEEE International Conference Application of Information and Communication Technologies 13-15 Oct 2021, Tashkent, Uzbekistan.*
  - *8th Annual Conf. on Computational Science & Computational Intelligence (CSCI'21)*, 15 - 17 Decembrie 2021, Las Vegas, USA.
  - *3rd International Conference on Computer Science, Communication and Network*



- Security (CSCNS2021), 22-23 Decembrie, 2021, Sanya, China.
- 3rd International Conference on Smart Power & Internet Energy Systems 25-28 Septembrie 2021, Shanghai, China.
- International Conference on Green Energy, Computing and Sustainable Technology (GECOST 2021), 7-9 Iulie 2021, Miri, Sarawak, Malaysia.
- 2021 International Conference on Energy, Environment, Epidemiology and Information System (IC3EIS2021), 26-27 Septembrie, 2021, Beijing, China.
- 2021 International Conference on Informatics, Networking and Intelligent Computing (INIC2021), 26-27 Septembrie, 2021, Beijing, China.
- International Conference on Artificial Intelligence and Applications 15-17 Octombrie, 2021, Suzhou, Jiangsu, China.
- 2021 International Conference on Artificial Intelligence, Big Data and Mechatronics (AIBDM2021), 17-18 Septembrie, 2021, Guangzhou, China.
- 9th Annual International Conference on Geo-Spatial Knowledge and Intelligence (GSKI 2021), 17-19 Decembrie 2021, Nanjing, China,
- 2nd International Conference on Power Engineering, 9-11 Decembrie, 2021, Guangxi, China.
- 2021 International Conference on Smart Cities and Smart Grid (CSCSG 2021), 19-21 Noiembrie, 2021, Hangzhou, China.
- International Conference on Artificial Intelligence and Computer Science (AICS2021), 21-23 Mai, 2021, Changsha, Hunan, China.
- International Conference on Mathematics, Big Data and Intelligent Computing (MBDIC2021), 4-5 Iulie, 2021, Shanghai, China.
- 2nd International Conference on Modeling, Big Data Analytics and Simulation (MBDAS2021) 14-15 Noiembrie, 2021, Shenzhen, China.
- International Conference on Cloud Computer, IoT and Intelligence System (CCIS2021), 11-12 Aprilie, 2021, Beijing, China.
- 3rd International Conference on Energy, Power, Environment and Computer Application (ICEPECA2021), 17-18 Decembrie, 2021, Xiamen, China.
- 3rd International Conference on Computer, Communications and Mechatronics Engineering (CCME2021), 17-18 Decembrie, 2021, Xiamen, China.
- 2nd International Conference on New Energy, Power and Environmental Engineering (NEPEE2021), 17-18 Septembrie, 2021, Guangzhou, China.
- 4rd International Conference on Modeling, Simulation and Optimization Technologies and Applications (MSOTA2021), 17-18 Decembrie, 2021, Xiamen, China.
- 13th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2021, 1 -3 Iulie, 2021, Pitesti, Romania.
- 10th International Conference on Energy and Environment, 14 - 15 Octombrie 2021, București, Romania.
- 2nd International Conference on Energy, Power and Environmental System Engineering (ICEPESE2021), 4-5 Iulie, 2021, Shanghai, China.
- 2021 International Conference on Modeling, Simulation and Optimization: Technologies and Engineering Applications (MSOTEA2021), 11-12 Aprilie, 2021, Beijing, China.
- Computing Conference, 15– 16 Iulie 2021, Londra, UK.
- 3rd International Conference on Electrical and Electronic Engineering (EEE2021), February 2-3, 2021, Changsha, China.
- 3rd Asia Energy and Electrical Engineering Symposium (AEEES 2021), 26- 29 Martie, 2021, Chengdu, China.
- 2021 International Conference on Advanced Energy, Power and Electrical Engineering (AEPEE2021), 11-12 Aprilie, 2021, Beijing, China.
- 4th International Conference on Energy and Power Engineering (EPE2021) 17-18 Septembrie 2021, Guangzhou, China.
- 6th International Conference on New Energy and Future Energy Systems (NEFES 2021), 1-4 Noiembrie 2021, Xi'an, China.
- 2021 International Workshop on Environmental Science and Renewable Energy Engineering (ESREE2021), 11-12 Aprilie 2021, Beijing, China.





- 2021 International Workshop on Power, Electrical and Mechanical Engineering (IWPEME2021), 11-12 Aprilie 2021, Beijing, China.
- 14th IEEE International Conference Application of Information and Communication Technologies, 07-09 Oct 2020, Tashkent, Uzbekistan,
- 2nd International Conference on Computer Science, Communication and Network Security (CSCNS2020), 22-23 Decembrie 2020, Sanya, China.
- International Conference on New Energy, Power and Environmental Engineering (NEPEE2020), 20-21 Decembrie 2020, Xiamen, China.
- 2020 International Workshop on Intelligent Computing, Communication and Data Engineering (ICCDE2020), 22-23 Noiembrie, 2020, Beijing, China.
- 8th Annual International Conference on Geo-Spatial Knowledge and Intelligence [GSKI 2020], 18-19 Decembrie 2020, Xi'an, Shaanxi, China
- 7th Annual Conf. on Computational Science & Computational Intelligence (CSCI'20), 16 – 18 Decembrie 2020, Las Vegas, USA.
- 2nd International Conference on Energy, Power, Environment and Computer Application (ICEPECA2020), 15-16 Noiembrie 2020, Xiamen, China.
- 3rd International Conference on Energy and Power Engineering (EPE2020), 20-21 Septembrie 2020, Shanghai, China
- Future Technologies Conference (FTC), 5-6 Noiembrie 2020, Vancouver, Canada.
- 2nd Asia Energy and Electrical Engineering Symposium (AEEES 2020), 28 - 30 Martie 2020, Chengdu, China.
- 12th International Conference on Electronics, Computers and Artificial Intelligence (ECAI 2020), 25 – 27 Iunie 2020, Bucuresti, Romania.
- 2nd International Conference on Computer, Communications and Mechatronics Engineering (CCME2020), 20-21 Decembrie 2020, Xiamen, China.
- International Conference and Expo on Urban and Civil Engineering, 15-16 Iunie, 2020 in Montreal, Canada.
- 2nd International Conference on Electronical, Mechanical and Materials Engineering (ICE2ME2020), 20-21 Decembrie 2020, Xiamen, China.
- Computing Conference 2020, 16- 17 Iulie 2020, Londra, UK.
- Intelligent Systems Conference (IntelliSys), 3-4 Septembrie Amsterdam, Olanda.
- International Conference on New Energy and Future Energy System, 06-09 Iulie, 2020 2020, Dashu, Taiwan.
- 2nd International Conference on Smart Power & Internet Energy Systems, 2-4 Iunie 2020, Bangkok, Thailand.
- 3rd International Conference on Modeling, Simulation and Optimization Technologies and Applications (MSOTA2020), 15 – 16 Noiembrie Xiamen, China.
- International Conference on Big Data, Computer Modeling and Simulation Technology (BDCMST2020), 12-13 Aprilie 2020, Hangzhou, China.
- 14th IEEE International Conference Application of Information and Communication Technologies, 23-25 Octombrie 2019, Tashkent, Uzbekistan.
- International Conference on Computer Science Communication and Network Security (CSCNS2019), 22-23 Decembrie 2019 Sanya, China.
- Computing Conference 2019, 16-17 Iulie 2019, Londra, UK,
- 4th International Conference on Computational Modeling, Simulation and Applied Mathematics (CMSAM2019), 27-29 Decembrie 2019, Guangzhou, China.
- International Conference on Modeling, Simulation and Big Data Analysis (MSBDA2019), 23-24 Iunie 2019, Wuhan, China.
- 6th Annual Conf. on Computational Science & Computational Intelligence (CSCI'19), 05-07 Decembrie, 2019, Las Vegas, Nevada, USA.
- 2020 International Conference on Green Energy, Environment and Sustainable Development (GEESD 2020), 24-25 Iunie 2020, Wuhan, China.
- Computer Vision Conference (CVC), 25-26 Aprilie 2019, Las Vegas, Nevada, USA.
- 2019 International Conference on Smart Power & Internet Energy Systems, 25-27 Aprilie 2019, Deakin University, Melbourne, Australia.
- 7th Annual International Conference on Geo-Spatial Knowledge and Intelligence (GSKI 2019), 20-21 Decembrie 2019, Guangzhou, China.



- 11th International Conference on Electronics, Computers and Artificial Intelligence, (ECAI 2019), 27–29 Iunie 2019, Pitesti, Romania.
  - Intelligent Systems Conference 2019 (IntelliSys 2019), 5-6 Septembrie 2019, Londra, UK.
  - Future Technologies Conference (FTC) 2019, 4-15 Noiembrie 2019, San Francisco, USA.
  - The 4th International Conference on New Energy and Future Energy System, 21-24 Iunie 2019, Macau, China.
  - The 9th Annual International Conference of Information and Communication Technology (ICICT2019), 11-13 Ianuarie 2019, Nanning, Guangxi, China.
  - 2nd International Conference on Sustainable Energy, Environment, and Information Engineering (SEEIE 2019), 24 – 25 Martie 2019, Beijing, China.
  - 3rd annual International Conference on Cloud Technology and Communication Engineering (CTCE 2019), 15-16 Noiembrie 2019, Wuhan, China.
  - 2nd Annual International Conference on Artificial Intelligence and Computer Engineering (AICE2018), 18-20 Mai 2018, Xi'an, Shaanxi, China.
  - Computing Conference, 10-12 Iulie 2018, Londra, UK.
  - 5th Annual Conf. on Computational Science & Computational Intelligence (CSCI'18), 13-15 Decembrie 2018, Las Vegas, Nevada, USA.
  - Future Technologies Conference (FTC), 13-14 Noiembrie 2018, Vancouver, BC, Canada.
  - Intelligent Systems Conference (IntelliSys 2018), 6-7 Septembrie 2018, Londra, UK.
  - 2018 International Conference on Power, Energy and Intelligent Materials (PEIM2018), 29-30 Iunie 2018, Wuzhen, China.
  - The International Conference on Network Engineering and Information Security (NEIS2018), 20-22 Aprilie, 2018, Wuhan, China.
  - The 3rd International Conference on New Energy and Future Energy System, 21-24 August 2018, Shanghai, China.
  - 2018 International Conference on Materials, Sensors and Smart Manufacturing September 16-17 Septembrie, 2018, Xiamen, China.
  - 2018 International Conference on Information Science and Technology (IST2018), 20-22 Aprilie 2018, Wuhan, China.
  - The International Conference on Energy and Mechanical Engineering (EME2017), 15– 17 Noiembrie, Chengdu, China.
  - 6th Annual International Conference on Geo-Spatial Knowledge and Intelligence (GSKI2018), 26-28 Octombrie 2018, Beijing, China.
- **12 premii naționale** pentru rezultatele cercetării publicate în reviste indexate WoS din Q1 și Q2 obținute în 2009, 2012, 2013, 2015, 2019, 2020 și 2021.
- **3 Diplome de Excelență** pentru activitatea de recenzie – Energy – Elsevier in 2014 și 2016 și Journal of Computational Science – Elsevier în 2017.
- **premiul "Top Peer Reviewer"** acordat de Publons – WoS Group pentru clasarea în top 1% mondial pentru recenziile realizate în jurnale WoS în perioada 2018 – 2019, <https://publons.com/researcher/1082034/grigoras-gheorghe/>
- **Indice Hirsh:**
- WOS: 8, <https://publons.com/researcher/1082034/grigoras-gheorghe>
  - Scopus 11, <https://www.scopus.com/authid/detail.uri?authorId=23992424300>
  - ResearchGate 12, [https://www.researchgate.net/profile/Grigoras\\_Gheorghe](https://www.researchgate.net/profile/Grigoras_Gheorghe)
  - Google Scholar 13, [https://scholar.google.com/citations?user=FOpO2\\_0AAAAJ&hl=r](https://scholar.google.com/citations?user=FOpO2_0AAAAJ&hl=r)



### Cărți și capitole în cărți de specialitate publicate în edituri din străinătate

1. **Gheorghe Grigoraș**, Ovidiu Ivanov, Bogdan Neagu, Pragma Kar, *Smart Metering Based Strategies for Improving Energy Efficiency in Microgrid*, Capitol in cartea *Microgrid Architectures, Control and Protection Methods*, Editori: Naser Mahdavi Tabatabaei, Ersan Kabalci, Nicu Bizon, Springer International Publishing, Switzerland, pp. 463 – 490, 2020, ISBN: ISBN 978-3-030-23722-6.
2. **Gheorghe Grigoraș**, Bogdan Neagu, Ovidiu Ivanov, Mihai Gavrilaș, Florina Scarlatache, *Smart Meter Data-based Strategies in the Optimal Operation of Electric Distribution Systems*, Lambert Academic Publishing, Riga, Lituania, 2019, 978-620-0-50306-0
3. **Gheorghe Grigoraș**, Bogdan Neagu, *Regression Analysis-Based Load Modelling for Electric Distribution Networks*, Capitol in cartea *Numerical Methods for Energy Applications*, Editori: Naser Mahdavi Tabatabaei, Nicu Bizon, Springer International Publishing, Switzerland, 2021, ISBN: 978-3-030-62190-2
4. Bogdan Neagu, **Gheorghe Grigoraș**, *Decision-Making Strategies with Clustering Based Unsupervised Learning for Smart Grids Planning*, Capitol in cartea *An Introduction to Approaches and Modern Applications with Ensemble Learning*, Editor: Yi-Tung Chan, Nova Science Publishers, USA, 2020, ISBN: 978-1-53618-680-2
5. Scarlatache Florina, **Gheorghe Grigoraș**, *Using Unsupervised Learning Techniques in Optimal Power System Operation*, Capitolul 3 in cartea *Advances in Engineering Research*, Editor Victoria M. Petrova, Nova Science Publishers, USA, 2020, pp. 117 – 156, ISBN: 978-1-53618-508-9
6. **Gheorghe Grigoraș**, Ovidiu Ivanov, Bogdan Neagu, Pragma Kar, *Smart Metering Based Strategies for Improving Energy Efficiency in Microgrid*, Capitol in cartea *Microgrid Architectures, Control and Protection Methods*, Editori: Naser Mahdavi Tabatabaei, Ersan Kabalci, Nicu Bizon, Springer International Publishing, Switzerland, pp. 463 – 490, 2020, ISBN: 978-3-030-23722-6.
7. Bogdan Neagu, **Gheorghe Grigoraș**, Ovidiu Ivanov, *The Optimal Operation of Active Distribution Networks based on Smart Metering*, Capitol in cartea *Advanced Communication and Control Methods for Future Smartgrid*, Editor: Taha Selim Ustun, IntechOpen, Londra, UK, 2019, ISBN: 978-1-78984-105-3
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3. *Platformă software inovativă pentru managementul energetic al consumatorilor finali în vederea creșterii eficienței energetice și a reducerii emisiilor de carbon*, Grant PN-III-P2-2.1-CI-2018-1017, Contract nr. 174CI din 04/07/2018 (**Director**)
4. *Management inteligent a centralelor electrice virtuale cu ajutorul platformelor software bazate pe inteligența artificială, în contextul competitivității energetice Europene*, Grant PN-III-P2-2.1-CI-2018-1011, Contract nr. 173CI din 02/07/2018 (Membru)
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