Faculty Members Website
University of Tabriz



Mohammadreza Daneshvar

Assistant Professor

College: Electrical & Computer Engineering

Assistant Professor, Founder and Head of the Laboratory of Multi-Carrier Energy Networks Modernization, Faculty of Electrical and Computer Engineering, University of Tabriz, Tabriz, Iran

Research fields:
Energy network modernization, Renewable energy sources, Microgrids and smart energy networks, Electric power system reconfiguration, Optimization of energy systems, Machine learning and deep learning, Deep reinforcement learning, Energy markets and energy hubs, Energy management techniques, Uncertainty modeling, 100% renewable energy sources, Optimal scheduling of energy grids, Transactive energy, Optimal integration of renewables, Peer-to-Peer energy trading, Multi-carrier energy networks, Optimal operation of power system, Energy economic, Internet of Things, Electric vehicles, Energy storage systems, Digital twin technology for modern energy systems, Cyber-physical energy systems for energy networks, Optimization and AI

Education

Degree	Graduated in	Major	University
Ph.D	2021	Electrical Power Engineering	University of Tabriz
Post Doctoral	2022	Modern integrated energy networks	University of Tabriz
Post Doctoral	2023	Multi-agent reinforcement learning based on transactive energy technology	University of Tabriz

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
Department of Electrical Power Engineering, Faculty of Electrical and Computer Engineering, University of Tabriz	Assistant Professor	(not set)	Full Time	

Awards

• Selected as the best researcher at the University of Tabriz for writing international books published by reputed international publishers, Vice Chancellery for Research and Technology, University of Tabriz, Nov 2024.
• Selected as the best international book award in the 9th International Conference on Technology and Energy Management, 8 February 2023, Mazandaran University of Science and Technology.
• Selected as the best international book award in the 15th International Harakat Festival, Iran, 2023.
• Selected as the best PhD thesis award in the 8th International Conference on Technology and Energy Management, Mazandaran University of Science and Technology, 8 February 2023.
• Selected as the Outstanding Ph.D. Thesis Award in the 13th IEEE Iran Section Awards, Tehran, Iran, 2022.
• Selected as the best researcher at the University of Tabriz for writing international books published by reputed international publishers, Vice Chancellery for Research and Technology, University of Tabriz, 2022.
• Winner of all awards of Iran's National Elites Foundation.
• Selected as the best young in the field of science and research at the East Azerbaijan Province, East Azerbaijan County Sports and Youth Office, 2022.
• Selected as the best national Ph.D. student, awarded by the President, 2022.
• Selected as the best PhD thesis in the 11th Smart Grid Conference (SGC2021), University of Tabriz, Tabriz, Iran, 7-9 Dec 2021.
• Selected for Alborz Cultural Foundation Award (Iran's Nobel Prize), Tehran, Iran, 2020.
• Selected as the best master thesis in the 10th Smart Grid Conference (SGC2020), University of Kashan, Iran, 16-17 Dec 2020.
• Selected as the best master thesis in the 6th International Conference on Technology and Energy Management, Vali-e Asr University of Rafsanjan, Iran, 4 March 2022.
• Funded Award for Ph.D. thesis supporting from Iran National Science Foundation, 2020.
• Winner of the Outstanding Student Award (Best student of the University of Tabriz), 2019.
• Ranked among the top 1% of reviewers in Engineering based on Publons global reviewer database, 2019.
• Ranked among the top 1% of reviewers in Cross-Field based on Publons global reviewer database, 2019.
• Ph.D. Degree, First Class Honor with GPA: 20/20 (Among the 17 Ph.D. students of electrical engineering), University of Tabriz, Tabriz, Iran, 2019.
• Selected as the best student in the field of science and research at the Hazrat Ali Akbar Festival, Shabestar County Sports and Youth Office, 2019.
• Member of the Talented Students Center (Ph.D.), Department of Talented Students Affairs, University of Tabriz, Tabriz, Iran, 2018 to 2021.
• Winner of Engineering Outstanding Master’s Student Award (Best Master student of University of Tabriz), 2018.
• Winner of the third major student award ceremony (Ali Poulad Award), Department of Talented

Students Affairs, University of Tabriz, Tabriz, Iran, 2018.

- Merit-based admission to the Doctor of Philosophy program without entrance examination in Electrical-Power Engineering at Sharif University of Technology, Department of Talented Students Affairs, Sharif University of Technology, 2018.
- Selected as the best student in the field of science and research at the Hazrat Ali Akbar Festival, Shabestar County Sports and Youth Office, 2018.
- M.Sc. Degree, First Class Honor with GPA:20/20 (Among the 11 M.Sc. students of electrical engineering), University of Tabriz, Tabriz, Iran, 2018
- Member of the Talented Students Center (M.Sc.), Department of Talented Students Affairs, University of Tabriz, 2017-2018.
- Merit-based admission to the Master of Science program without entrance examination in Electrical-Power Engineering at the University of Tabriz, Department of Talented Students Affairs, University of Tabriz, 2016
- B.Sc. Degree, First Class Honor (GPA: 18.68/20) (Among the 33 B.Sc students of electrical engineering), Azarbaijan Shahid Madani University, Tabriz, Iran, 2016.
- Member of the talented students center (B.Sc.), Department of Talented Students Affairs, Azarbaijan Shahid Madani University, Tabriz, Iran 2013-2016.
- Diploma degree, First Class Honor, Shohada High School, Sufian, Iran, 2008-2011.
- Outstanding contribution in reviewing for Renewable Energy Journal, 2018.
- Reviewing award, Renewable and Sustainable Energy Reviews journal, 2019.
- Reviewing award, Applied Energy journal, 2019-2020.
- Reviewing award, Energy Conversion and Management journal, 2019-2020.
- Reviewing award, Journal of Cleaner Production, 2019-2020.
- Reviewing award, Renewable Energy journal, 2019.
- Reviewing award, ISA Transactions® journal, 2019-2020.
- Reviewing award, Electric Power Systems Research Journal, 2019.
- Reviewing award, Renewable Energy journal, 2020.
- Reviewing award, Sustainable Cities and Society journal, 2020.
- Reviewing award, Computers & Industrial Engineering journal, 2020.
- Reviewing award, Expert Systems with Applications journal, 2020.
- Reviewing award, Journal of Natural Gas Science and Engineering, 2020.
- Reviewing award, Gas Science and Engineering Journal, 2020.
- Reviewing award, Journal of Energy Storage, 2021
- Reviewing award, Journal of IET Renewable Power Generation, 2022
- Reviewing award, Cleaner Energy Systems Journal, 2022.
- Reviewing award, Journal of IET Smart Grid, 2023.

Workshops

***Invited as a Speaker/Keynote Speaker:**

- “International Conference on Innovative Applied Energy: Third Edition (IAPE’21)”, June 2022, The Cambridge Belfry, Cambridge, United Kingdom.
- “Webinar- United Conference of Sustainable and Renewable Energy”, February 8, 2022, New Jersey, USA.
- “2nd International Conference on Environmental Science & Green Energy”, October 24-26, 2022, Paris, France.
- “11th Edition of International Conference on Catalysis, Chemical Engineering and Technology”, Online event, May 16-17, 2022, Chicago, IL, USA.
- “2nd Forum of Revolutions in Renewable Energy in 21st Century (FOREN-2022)”, March 21-22, 2022,

Budapest, Hungary.

- "12th Edition of Global Conference on Catalysis, Chemical Engineering & Technology", September 05-07, 2022, Paris, France.
- "Global Summit on Earth Science and Climate Change (Adv. ESCC 2022)", September 15-16, 2022, Paris, France.
- "Seventh Edition of Global Energy Meet (GEM-2023)", March 06-08, 2023, Boston, MA, USA.
- "2nd International Meet on Renewable and Sustainable Energy (RENEWABLE MEET 2023)", March 13-15, 2023, Rome, Italy.
- "Euro-Global Climate Change Conference", September 19-20, 2022, Chicago, IL 60606, USA.
- "Global Expert Meetings on Civil, Structural and Environmental Engineering (GEMCIVIL2023)", June 12-14, 2023, Paris, France.
- "2nd Edition of Euro-Global Climate Change Conference", September 21-23, 2023, Valencia, Spain.
- "2nd International Conference on Environmental Science & Green Energy", March 13-15, 2023, Paris, France.
- "15th Edition of Global Conference on Catalysis, Chemical Engineering &Technology", May 22-23, 2023, Tokyo, Japan.
- "International Conference on Environmental Sustainability through Waste and Recycling (ENSURE-2023)", April 10-12, 2023, San Francisco, CA, USA.
- "International Conference on Biosensors Bioelectronics and Smart Power Technology", September 14-15, 2023, Tokyo, Japan.
- "International Summit on Power and Energy Engineering (ISPEE2023)", November 23-25, 2023, Lisbon, Portugal.
- "Global Experts Conference on Renewable and Sustainable Energy (GECRSE-23)", July 27-29, 2023, Osaka, Japan.
- "15th International Conference on Industrial Engineering and Management (ICIEM2023)", May 16-17, 2023, Zhengzhou, China.
- "European Congress on Renewable Energy and Sustainable Development", November 16-17, 2023, Rome, Italy.
- "Technical Symposium on Electrical Electronics Engineering and Smart Technology TSES conference", September 14-15, 2023, Tokyo, Japan.
- "2nd World Conference on Climate Change & Sustainability", October 16-18, 2023, Rome. Italy.
- "2nd International Conference on Clean Energy Storage and Power Engineering (CESPE2023)", November 17-19, 2023, Kunming, China.
- "International Conference on Renewable and Sustainable Energy (RENEWABLEENG-2023)", September 25-27, 2023, Barcelona, Spain.
- "5th International Conference on Biopolymers & Bioplastics", November 13-14, 2023, Pairs, France.
- "Third International Conference on Artificial Intelligence for IoT- AIIoT 2023, October 5th-6th 2023, VIT, India.
- "International Congress and Expo on Infrastructure and Construction (INFRACON2024)", March 18-20, 2024, Barcelona, Spain.
- "3rd International Meet on Power and Energy Engineering (ENERGYMEET2024)", April 18-20, 2024, Osaka, Japan.
- "5th International Conference on Renewable Energy, Resources and Sustainable Technologies", November 13-14, 2023, Paris, France.
- "16th Edition of Global Conference on Catalysis, Chemical Engineering & Technology (CAT 2023)", September 14-16, 2023, Valencia, Spain.
- "International Catalysis Conference ICC 2023," a Virtual conference, September 15-16, 2023, Virginia, United States.
- "The World Summit on Environmental Science and Engineering (ENVIRONSUMMIT2024)", April 15-17, 2024, Porto, Portugal.

- “European Congress on Renewable Energy and Sustainable Development”, November 16-17, 2023, Rome, Italy.
- “17th Edition of International Conference on Catalysis, Chemical Engineering and Technology (Catalysis 2023)”, October 26-28, 2023, Boston, Massachusetts, USA.
- “13th World Conference on Earth Science and Geology”, March 04-05, 2024, Rome, Italy.
- “6th World Summit on Renewable Energy and Resources”, March 14-15, 2024, London, UK.
- “11th International Conference on Pollution Control and Sustainable Environment”, February 15-16, 2024, Rome, Italy.
- “12th World Congress and Expo on Green Energy”, March 07-08, 2024, Toronto, Canada.
- “Conference on Global Climate Change & Sustainable Development”, July 15-16, 2024, London, UK.
- “Environment and Sustainability Research Conference”, June 20-21, 2024, Las Vegas, NV, USA.
- “International Conference on Environmental Science and Green Energy”, November 13-15, 2023, Paris, France.
- “3rd Global Summit on Advances in Earth Science and Climate Change” (Adv. ESCC 2024), September 26-27, 2024, Barcelona, Spain.
- “18th Edition of the International Conference on Catalysis, Chemical Engineering and Technology” (CCT2024), June 17-19, 2024, Paris, France.
- “16th World Congress and Expo on Recycling”, March 07-08, 2024, Toronto, Canada.
- “International Conference on Environmental Sustainability through Waste and Recycling (ENSURE-2024)”, March 11-13, 2024, Boston, USA.
- “4th Global Congress on Climate Change (GCCC-2024)”, September 09-10, 2024, Lisbon, Portugal.
- “6th Global Summit on Advances in Medicinal Chemistry and Pharmacology”, October 21-22, 2024, London, UK.
- “Global Conclave on Advanced Physics; Applications and Scientific Innovations”, September 19-20, 2024, Barcelona, Spain.
- “Renewable Energy Conference (Asiaenergy-2024)”, November 23-25, 2024, Bangkok, Thailand.
- “3rd Forum of Revolutions in Renewable Energy in 21st Century”, September 19-20, 2024, Barcelona, Spain.
- “2nd International Conference on Renewable and Sustainable Energy (RENEWABLEENG-2024 – Hybrid Edition)”, September 26-28, 2024, Paris, France.
- “20th Edition of the Global Conference on Catalysis, Chemical Engineering, and Technology”, March 13-15, 2025, Rome, Italy.
- “Carbon Chemistry World Conference CCWC 2024”, August 17 to 19, 2024, Barcelona, Spain.
- “2nd International Summit on Power and Energy Engineering”, November 04-06, 2024, Vancouver, Canada.
- “Carbon Chemistry World Conference CCWC 2024”, August 17-19, 2024, Alexandria, Virginia, USA.
- “Energy Evolution Conference & Expo”, March 13-15, 2025, Madrid, Spain.
- “Global Research Conference on Renewable Energy (GRCREN – 2025), June 25 to 27, 2025, Rome, Italy.
- “21st Edition of International Conference on Catalysis, Chemical Engineering and Technology”, June 2-4, 2025, Rome, Italy.
- “2nd International Conference on Plant Science & Agriculture Technology”, September 08-10, 2025, Zurich, Switzerland.
- “Global Conference on Renewable Energy and Sustainable Development (GCRESD2025)”, May 19-21, 2025, London, UK.
- “International Conference on Robotics & Automation”, May 19-21, 2025, Osaka, Japan.
- “World Catalysis and Chemical Engineering Network Congress”, April 23-25, 2025, Las Vegas, USA.
- “4th International Conference on Global Entrepreneurship Summit 2025 (GES 2025)”, August 19-20, 2025, Toronto, Canada.
- “20th Edition of Global Conference on Catalysis, Chemical Engineering and Technology”, March

27-29, 2025, Singapore.

**Participated in the following workshops:

- Workshop title: Large-scale optimization problems in energy systems: application of decomposition techniques
Presenter: Dr. Jalal Kazempour, Associate Professor, Technical University of Denmark (DTU)
Period duration/location: One-day/18th Sep 2016, University of Tabriz, Iran

- Workshop title: Energy storage systems: An introduction to technologies and applications
Presenter: Dr. Hamidreza Zareipour, Professor, University of Calgary
Period duration/location: One-day/10th Dec 2016, University of Tabriz, Iran

- Workshop title: Research methods: From “the Question” to “the Answer”
Presenter: Dr. Hamidreza Zareipour, Professor, University of Calgary
Period duration/location: One-day/11th Dec 2016, University of Tabriz, Iran

- Workshop title: Basic of forecasting technologies for power system applications
Presenter: Dr. Hamidreza Zareipour, Professor, University of Calgary
Period duration/location: One-day/13th Dec 2016, University of Tabriz, Iran

- Workshop title: Towards structuring smart grid: energy scheduling, parking lot allocation, and charging management
Presenter: Dr. Mehdi Rahmani-Andebili, Clemson University
Period duration/location: 3 hours/16th Jun 2017, University of Tabriz, Iran

- Workshop title: Data analysis in implementing the microgrids and electrical smart grids
Presenter: Dr. Kaveh Aflaki, Senior Application Engineer at Ampacimo
Period duration/location: 8 hours/17th and 18th Feb 2017, University of Tabriz, Iran

- Workshop title: Power-to-gas for energy system integration and storage
Presenter: Dr. Azadeh Maroufmashat, Waterloo Institute for Sustainable Energy
Period duration/location: 4 hours/12th Mar 2017, University of Tabriz, Iran

- Workshop title: Game Theory
Presenter: Dr. Saeed Abapour, University of Tabriz
Period duration/location: One-day/19th Apr 2017, University of Tabriz, Iran

- Workshop title: Intelligent designer: A computational approach to automate building design
Presenter: Dr. Somayeh Asadi, Associate Professor, Pennsylvania State University
Period duration/location: 2 hours/16th May 2017, University of Tabriz, Iran

- Workshop title: Research methods in engineering
Presenter: Dr. Somayeh Asadi, Associate Professor, Pennsylvania State University
Period duration/location: Two-day/16th and 17th May 2017, University of Tabriz, Iran

- *Workshop title: Voltage control in distribution grid using OpenDSS
Presenter: Dr. Ehsan Reihani, Assistant Professor, California State University, Bakersfield
Period duration/location: 4 hours/3th and 4th Jul 2017, University of Tabriz, Iran

- *Workshop title: Developing Demand Response Programs and Market
Presenter: Dr. Reza Ghorbani, Associate Professor, University of Hawaii at Manoa
Period duration/location: 2 hours/4th Jul 2017, University of Tabriz, Iran

- *Workshop title: Renewable energy resources connection to the network using the DIgSILENT

software
Presenter: Dr. Mahmoud Pesaran HA, University of Tabriz
Period duration/location: One-day/5th Jul 2017, University of Tabriz, Iran

- *Workshop title: Review of how to conduct necessary studies to connect a wind farm to a power grid using PSS /E
Presenter: Dr. Amin Nasri, Senior Electricity Market Analyst/Researcher at RISE Research Institutes of Sweden
Period duration/location: One-day/8th Jul 2017, University of Tabriz, Iran

- Workshop title: Modern challenges in electricity markets: An optimization perspective
Presenter: Dr. Jalal Kazempour, Associate Professor, Technical University of Denmark (DTU)
Period duration/location: One-day/27th Aug 2017, University of Tabriz, Iran

- Workshop title: The role of hydrogen fuel cell and electric vehicle degradation on the life cycle metrics for sustainable transportation
Presenter: Dr. Pouria Ahmadi, University of Illinois at Urbana-Champaign
Period duration/location: One-day/4th Nov 2017, University of Tabriz, Iran

- *Workshop title: Plug in electric vehicle load modeling
Presenter: Dr. Ali Ahmadian, Assistant Professor, University of Bonab
Period duration/location: One-day/22th Nov 2017, University of Tabriz, Iran

- Workshop title: Smart Power Networks
Presenter: Dr. Reza Gholizadeh-Roshanagh, Postdoc, University of Tabriz
Period duration/location: One-day/10th Dec 2017, University of Tabriz, Iran

- *Workshop title: Resiliency of electrical power transmission networks
Presenter: Dr. Alireza Soroudi, Assistant Professor, University College Dublin (UCD)
Period duration/location: One-day/23th Dec 2017, University of Tabriz, Iran

- Workshop title: Introduction of Iran's Electricity Market- Advances and requirements
Presenter: Dr. Habib gharagozloo
Period duration/location: One-day/25th Dec 2017, University of Tabriz, Iran

- Workshop title: Renewable energy integration and the necessity of power system monitoring, control and protection
Presenter: Dr. Hasan Mehrjerdi, Assistant Professor, Qatar University, Doha, Qatar
Period duration/location: One-day/3th Feb 2018, University of Tabriz, Iran

- Workshop title: Smart city data analytics
Presenter: Dr. Kaveh Aflaki, Senior Application Engineer at Ampacimo
Period duration/location: One-day/21th Feb 2018, University of Tabriz, Iran

- Workshop title: Advance architectures and control concepts for microgrids
Presenter: Dr. Amjad Anvari-Moghaddam, Associate Professor, Department of Energy Technology, Aalborg University
Period duration/location: 2 hours/5th Mar 2018, University of Tabriz, Iran

- Workshop title: Designing photovoltaic systems with PVsyst software
Presenter: Dr. Jaber Fallah Ardashir, Assistant Professor, Islamic Azad University of Tabriz
Period duration/location: 5 hours/10th Mar 2018, University of Tabriz, Iran

- Workshop title: Internet of energy: The future energy trading platform
Presenter: Dr. Amin Rezaeizadeh, Assistant Professor, Faculty of Sharif University of Technology
Period duration/location: 3 hours/30th May 2018, University of Tabriz, Iran

- Workshop title: Workshop on familiarity with decision making software and risk management

Presenter: Dr. Somayeh Asadi, Associate Professor, Pennsylvania State University
Period duration/location: 4 hours/3th Jul 2018, University of Tabriz, Iran

- Workshop title: Dynamic line rating and its application

Presenter: Dr. Kaveh Aflaki, Senior Application Engineer at Ampacimo
Period duration/location: 4 hours/20th Aug 2018, University of Tabriz, Iran

- Workshop title: Workshop for the elite ethics

Presenter: Department of Talented Students Affairs- National Elite Foundation
Period duration/location: 4 hours/16th Apr 2018, University of Tabriz, Iran

- *Workshop title: Influencing the Bulk Power System Reserve by Dispatching Power Distribution Networks using Local Energy Storage

Presenter: Dr. Mokhtar Bozorg, Postdoctoral Researcher, Swiss Federal Institute of Technology Lausanne (EPFL)
Period duration/location: 3 hours/24th Dec 2018, University of Tabriz, Iran

- Workshop title: Battery energy storage systems (BESS) for grid and transportation applications Research in BESS, what you need to learn to succeed

Presenter: Dr. Mehdi Jafari, Postdoctoral Associate, MIT Lab. for Information and Decision Systems (LIDS)
Period duration/location: One-day/2th Jan 2019, University of Tabriz, Iran

- Workshop title: Continuous-time Scheduling and Pricing of Flexibility in Power Systems

Presenter: Dr. Masood Parvania, Associate Professor, University of Utah
Period duration/location: 4 hours/22th Jun 2019, University of Tabriz, Iran

- Workshop title: Renewable Energies-assisted sustainable development strategies in Iran

Presenter: Dr. Pouya Ifaei, Postdoctoral fellow, Kyung Hee University
Period duration/location: 4 hours/7th July 2019, University of Tabriz, Iran

- Workshop title: PV system economics and financial modeling

Presenter: Dr. Somayeh Asadi, Associate Professor, Pennsylvania State University
Period duration/location: 2 hours/28th July 2019, University of Tabriz, Iran

*All of the workshops that specified with * have been organized by Mohammadreza Daneshvar.

***Participated in the following IEEE webinars:

- Workshop title: Overview of microgrid controller innovation challenge at the NREL

Presenter: Sarah Truitt & Brian Miller
Period duration/location: 1 hour/23th March 2017, National Renewable Energy Laboratory, USA

- Workshop title: The Operation of a Power Transmission Line With Injected Third Harmonic Voltage

Presenter: Ramiar Alaei, University of Alberta, Canada
Period duration/location: 1 hour/23th March 2017, PES Technical Webinar Series, USA

- Workshop title: On-Board Energy Storage and Another Technological solution for Catenary Free Light Trains and Trams

Presenter: Pablo Arboleya, University of Oviedo
Period duration/location: 1 hour/2th June 2017, IEEE Smart Grid Webinar Series, USA

- Workshop title: SMART Power Flow Controller for Smart Grid Applications by Kalyan Sen

Presenter: Kalyan Sen

Period duration/location: 1 hour/4th Aug 2017, IEEE Smart Grid Webinar Series, USA

- Workshop title: HVDC: Intelligent Transmission

Presenter: Neil Kirby
Period duration/location: 1 hour/14th Sep 2017, IEEE Smart Grid Webinar Series, USA

- Workshop title: Big Data Applications in Smart Grids: Benefits and Challenges

Presenter: Mladen Kezunovic
Period duration/location: 1 hour/13th Apr 2017, IEEE Smart Grid Webinar Series, USA

- Workshop title: Digital Natives and Securing the Future Grid

Presenter: Nathan Wallace, PhD, CSSA, Cybersecurity Research Engineer
Period duration/location: 1 hour/2th May 2017, PES Technical Webinar Series, USA

- Workshop title: Bridging the Internet of Things and Grid of Things for Effective Optimization

Presenter: Ron Chebra
Period duration/location: 1 hour/6th June 2019, IEEE Smart Grid Webinar Series, USA

Conferences

***Served as Technical committee member/chair for the following conferences:**

o "2022 7th International Conference on Advances on Clean Energy Research (ICACER 2022)", April 20-22, 2022, Barcelona, Spain.
o "2022 6th International Conference on Energy Economics and Energy Policy (ICEEEP 2022)", April 20-22, 2022, Barcelona, Spain.
o "2021 6th International Conference on Advances on Clean Energy Research (6th ICACER 2021)", April 15-17, 2021, Barcelona, Spain.
o "The ASCE Construction Research Congress (CRC)", TEMPE, ARIZONA, UNITED STATES, 2020.
o "2025 International Conference on New Power System and Power Electronics (PEED 2025)", March 7-9, 2025, Nanjing, China.
o "International Conference on the European Energy Market (EEM25)", 27-29 May 2025, Lisbon, Portugal.
o "Energy Informatics.Academy Conference 2025 (EI.A 2025)", 3–5 December 2025, Kuala Lumpur, Malaysia.
o "2025 8th International Conference on Renewable Energy and Power Engineering (REPE)", September 27-29, 2025, Beijing, China.

****Served as reviewer for the following international conferences:**

o 2023 IEEE Asia Meeting on Environment and Electrical Engineering (EEE-AM), 13th to 15th Nov 2023, HANOI, Vietnam.
o SEST 2023: 6th International Conference on Smart Energy Systems and Technologies, Mugla Sitki Kocman University, September 4-6, 2023, Ataturk Cultural Center Mugla, Turkey.
o 23rd EEEIC International Conference on Environment and Electrical Engineering & 7th I&CPS Industrial and Commercial Power Systems Europe, June 6-9, 2023, Madrid, Spain.
o 7th International Conference on Advances on Clean Energy Research (ICACER 2022), April 20-22, 2022, Barcelona, Spain.
o 6th International Conference on Energy Economics and Energy Policy (ICEEEP 2022), April 20-22, 2022, Barcelona, Spain.
o 11th Smart Grid Conference, University of Tabriz, December 7-9, 2021, Tabriz, Iran.

- IEEE PES Innovative Smart Grid Technologies Conference Europe, Aalto University, October 18-21, 2021, Espoo, Finland.
- 7th International Conference on Water Resource and Environment (WRE 2021), November 1-4, 2021, Xi'an, China.
- 4th International Conference on Smart Energy Systems and Technologies (SEST), 6-8 September 2021, Vaasa, Finland.
- IEEE PES Innovative Smart Grid Technologies Latin America, 30 September, 2021, LIMA, PERU.
- 6th International Conference on Advances on Clean Energy Research (6th ICACER 2021), April 15-17, 2021, Barcelona, Spain.
- 3th International Conference on Smart Energy Systems and Technologies (SEST), 7-9 September 2020, Istanbul, Turkey.
- 53rd Annual Meeting of the Southeastern Decision Science Institute (SEDSI), February 21 to 23, 2024, Charleston, South Carolina, USA.
- The Power Systems Computation Conference (PSCC), Porto, Portugal, June 29–July 3, 2020.
- The ASCE Construction Research Congress (CRC), TEMPE, ARIZONA, USA, 2020.
- 5th International Conference on Technology and Energy Management, February 19, 2019, Tehran, Iran.
- The Fourth International Conference on Energy Engineering and Environmental Protection (EEEP2019), Xiamen, China.
- "2025 International Conference on New Power System and Power Electronics (PEED 2025)", March 7-9, 2025, Nanjing, China.
- "International Conference on the European Energy Market (EEM25)", 27-29 May 2025, Lisbon, Portugal.
- "Energy Informatics.Academy Conference 2025 (EI.A 2025)", 3–5 December 2025, Kuala Lumpur, Malaysia.
- "2025 8th International Conference on Renewable Energy and Power Engineering (REPE)", September 27-29, 2025, Beijing, China.

*****Served as reviewer for the following international book publishers:**

- John Wiley & Sons
  - Wiley Electrical and Computer Engineering team, April 2023.
- Wiley-IEEE Press
  - Wiley-IEEE Press Series on Power Engineering, and Digital and Mobile Communications, October 2023.
- Shahid Beheshti University Press
  - Series on Power and Energy Engineering, June 2024.

Journal Membership

***Served as Editor for the following journals:**

- Member of the Early Career Researcher Board of the International Journal of Sustainable Cities and Society (Elsevier- Q1-Impact factor: 10.5).
- Member of the Editorial Board of the Energy and Built Environment Journal (Elsevier).

o Special issues:

1) Special issue (April 2022-October 2024):

Title: Sustainable Cities and Modern Multi-Energy Societies

Guest Editors: Dr. Mohammadreza Daneshvar (Managing Guest Editor), Prof. Behnam Mohammadi-Ivatloo, Dr. Reza Razzaghi, Prof. Reza Ghorbani

Journal: Sustainable Cities and Society journal

2) Special issue (Jan 2022- Jan 2023):

Title: Grid-Edge Technologies for Modern Multi-Carrier Energy Networks

Guest Editors: Dr. Mohammadreza Daneshvar (Managing Guest Editor), Prof. Behnam Mohammadi-Ivatloo, Prof. Amjad Anvari-Moghaddam

Journal: Sustainable Energy Technologies and Assessments (Elsevier- Impact factor: 7.1)

o Other Journals:

o Invited as an Associate Editor from the Editor-in-Chief of the Sustainable Cities and Society journal (Elsevier- Impact factor: 10.5)

o Invited as a Guest Editor from the Journal Manager of the Frontiers in Energy Research journal (Impact factor: 3.4)

o Invited to join the Frontiers In Smart Grids research community as a Review Editor- Frontiers in Smart Grids journal

o Invited to join the Frontiers In Smart Grids research community as a Review Editor- Frontiers in Energy Efficiency journal

o Invited to join the Editorial Board as Section Editor for “Progress in Energy & Fuels” journal

o Invited to join the Editorial Board as Section Editor for “Frontiers of Electric Vehicle Technology” journal

o Invited to join the Editorial Board as Section Editor for “Energy Storage and Conversion” journal

o Invited to join the Editorial Board as Section Editor for “Applied Photovoltaic Technology” journal

o Invited to join the Editorial Board as Guest Editor for “Journal of Energy and Power Technology” journal

****Served as reviewer for the following international journals:**

o (28) IEEE Transactions on Power Systems (IF=6.6)
o (9) IEEE Transactions on Smart Grid (IF=9.6)
o (8) IEEE Transactions on Industrial Informatics (IF=12.3)
o (4) IEEE Transactions on Industrial Electronics (IF=7.7)
o (2) IEEE Transactions on Power Delivery (IF=4.4)
o (1) IEEE Transactions on Sustainable Energy (IF=8.8)
o (1) IEEE Transactions on Engineering Management (IF=5.8)
o (1) IEEE Transactions on Cloud Computing (IF=6.5)
o (1) IEEE Transactions on Energy Conversion (IF=4.9)
o (1) IEEE Transactions on Energy Markets, Policy and Regulation
o (1) IEEE Transactions on Neural Networks and Learning Systems (IF=10.4)
o IEEE Transactions on Applied Superconductivity (IF=1.7)
o IEEE Transactions on Consumer Electronics (IF=4.3)
o IEEE Transactions on Industry Applications (IF=4.2)
o IEEE Transactions on Automation Science and Engineering (IF=5.9)
o IEEE Transactions on Systems, Man and Cybernetics: System (IF=8.6)
o (11) IEEE Systems Journal (IF=4.4)
o (69) IEEE Access Journal (IF=3.9)

- (3) CSEE Journal of Power and Energy Systems (IF=7.1)
- (6) IEEE Power and Energy Technology Systems Journal
- (1) IEEE Power Engineering Letters- IEEE Power and Energy Society
- (1) Heliyon-Cell Press (IF=4)
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Membership in Scientific Societies

- Institute of Electrical and Electronics Engineers (IEEE), Member, 2017 up to now, USA.
- IEEE Power and Energy Society, Member, Jan 2019-up to now, USA.
- American Association for the Advancement of Science (AAAS), Member, Oct 2020 up to now, USA.
- IEEE Internet of Things Technical Community, Member, Jan 2020-up to now, USA.
- IEEE Big Data Community, Member, Jan 2020-up to now, USA.
- IEEE Young Professionals, Member, Jan 2018-up to now, USA.
- IEEE Industry Applications Society, Member, Jan 2021-up to now, USA.
- IEEE Sensors Council, Member, Jan 2021-up to now, USA.
- IEEE Systems Council, Member, Jan 2021-up to now, USA.
- Iran Energy Association (IEA), Continuous Member, 2017 up to now, Iran.
- Iranian Society of Smart Grid, Continuous Member, 2018 up to now, Iran.
- Iranian Wind Energy Association, Continuous Member, 2018 up to now, Iran.
- Iranian Solar Energy Scientific Society, Continuous Member, 2018 up to now, Iran.
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