

Curriculum Vitae

Mohammad Amin Latify

Associate Professor

Department of Electrical and Computer Engineering

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Personal Information

He was born in Tehran, Iran in 1980.

Education

- Ph.D., Electrical Engineering, Tarbiat Modares University, Tehran, Iran, 2007-2012
 - M.Sc., Electrical Engineering, Ferdowsi University of Mashhad, Mashhad, Iran, 2002-2005
 - B.Sc., Electrical Engineering, Isfahan University of Technology, Isfahan, Iran, 1998-2002
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Research Interests

- Power System Operation and Planning
 - Electricity Markets and Economics
 - Optimization Methods Application
 - Smart Grid
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Skills

- Model and optimization methods development for energy systems operation and planning
 - Electricity market design and regulation
 - Research leadership and academic administration
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Professional Experience

- Faculty Advisor, Student Scientific Association of Electrical Engineering, Department of Electrical and Computer Engineering, Isfahan University of Technology (July 2025 – present)
- Senior Member, IEEE (March 2025 – present)
- Track Chair for Electric Energy Systems, 33rd Iranian Conference on Electrical Engineering (2025).
- Executive Committee Member, Iranian Society of Smart Grid (2025–present)
- Sub-track Chair for Smart Grid Applications, 31st and 32nd Iranian Conference on Electrical Engineering (2023 – 2024)
- Vice-Dean of Research, Department of Electrical and Computer Engineering, Isfahan University of Technology (May 2023 – present).
- Secretary and Member of the Faculty Promotion and Tenure Committee, Department of Electrical and Computer Engineering, Isfahan University of Technology (May 2023-present).
- Head of the Power Group, Department of Electrical and Computer Engineering, Isfahan University of Technology (Nov. 2016 – Nov. 2020).
- Secretary of Organizing three National Student Competitions for Iranian Society of Smart Grid (2015 – 2017).
- Working Group Member, Iranian Society of Smart Grid (2013–2017)
- Member, Management Committee of National Project of Iranian Smart Grid, Executive Committee of Developing Smart Grid Encyclopedia of Iran, and Strategic Oversight Working Group for Software Projects (2012–2015).
- Head of Offices – Regulation & Oversight and Market Systems Design & Development, Secretariat of Iranian Electricity Market Regulatory Authority (March 2008 – March 2012).

- Electricity Market Design and Regulation Expert, Secretariat of Iranian Electricity Market Regulatory Authority (June 2006 – March 2012).
 - Technical Program Committee Member at the International Power System Conference (2013 – 2019), held in Niroo Research Institute, Tehran, Iran; 23rd Iranian Conference on Electrical Engineering (2015), held in Sharif University of Technology, Tehran, Iran; Smart Grids Conference (2014 – 2019, 2024-2025), held in Iran; and the 2nd International Congress on Power Industry Automation (2014), held in Isfahan University of Technology, Isfahan, Iran.
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Honors and Awards

- The Outstanding Vice-Dean of Research at Isfahan University of Technology, 2025.
 - Ranked 1st among Ph.D. students in Electrical Engineering, Tarbiat Modares University, 2012.
 - Ranked 1st among graduate students in Electrical Engineering, Ferdowsi University of Mashhad, 2005.
 - The Best Researcher among all Electrical Engineering students, Ferdowsi University of Mashhad, 2005.
 - The Outstanding Electrical Engineering Student, Ferdowsi University of Mashhad, 2003.
 - Ranked 2nd among undergraduate students in Electrical Engineering, Isfahan University of Technology, 2002.
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Publications

Journal Papers

[1]. Amin Alavi-Eshkaftaki, Mohammad Amin Latify, Mahmoud Fotuhi-Firuzabad, Payman Dehghanian, and Mohammad Jooshaki, "Incentivizing Resilience Enhancement in Power Distribution Systems Through a Revenue-Cap Regulation and Penalty-Reward Model," *IEEE Transactions on Power Delivery*, Early Access, 2025.

[2]. Milad Boruni, Majid Torabi, Mohammad Amin Latify, G. Reza Yousefi, and Jamshid Aghaei, "Critical Contingencies-Aware Conic AC Transmission Network Expansion and Reactive Power Co-Planning," *Sustainable Energy, Grids and Networks*, vol. 44, 101960, 2025.

- [3]. Mohammad Reza Ahmadi Venhari, Mohammad Amin Latify, and Ali Mokhtari, "Reliability Assured Generation Maintenance Scheduling under AC Transmission Constraints: Relaxation and Decomposition Approach," *Sustainable Energy, Grids and Networks*, vol. 43, 101918, 2025.
- [4]. Ali Khaleghizadeh, Amin Alavi-Eshkaftaki, Mohammad Amin Latify, and G. Reza Yousefi, "Enhancing Distribution System Resilience: A Situational Awareness Embedded Tri-level Robust Planning Approach," *Sustainable Energy, Grids and Networks*, vol. 43, 101782, 2025.
- [5]. Mohammad Amin Latify, Ali Mokhtari, Amin Alavi-Eshkaftaki, Fatemeh Rajaei, Seyed Nasrollah Hashemian, Ali Khaleghizadeh, Hossein Nezamabadi, Mostafa Yousefi Ramandi, Seyed Alireza Mozdawar, Nikos D. Hatziargyriou, and Sarineh Hacobian Dolatabadi, "Security-constrained Unit Commitment: Modeling, Solutions and Evaluations," *Applied Energy*, vol. 390, 125796, 2025.
- [6]. Mohsen Safarzadeh, G. Reza Yousefi, Mohammad Amin Latify, and Zeinab Malkei, "Power System Controlled Islanding Using Directed Motif-Based Spectral Clustering: A Novel Complex Network Perspective," *IET Smart Grid*, vol. 8, pp. 1-15, 2025.
- [7]. Amin Alavi-Eshkaftaki, Mohammad Amin Latify, Mahmoud Fotuhi-Firuzabad, and Payman Dehghanian, "A Resilience Enhancement Planning Framework Capturing Customers' Participation in Distribution Systems," *IEEE Transactions on Smart Grid*, vol. 16, pp. 957-972, 2025.
- [8]. Ali Mokhtari, Mohammad Amin Latify, and Yadollah Zakeri, "Temperature-Dependent Performance of CCGTs: Unit Commitment Analysis," *Energy*, vol. 308, 134680, 2025.
- [9]. Mojtaba Fereydani, and Mohammad Amin Latify, "Adaptive Robust Self-scheduling for a Wind-based GenCo Equipped with Power-to-Gas System and Gas Turbine to Participate in Electricity and Natural Gas Markets," *IET Generation, Transmission and Distribution*, vol. 18, pp. 3669-3695, 2024.
- [10]. Sarineh Hacobian Dolatabadi, Mohammad Amin Latify, Hamid Reza Karshenas, and Ali Morad Sharifi, "Demand Response Mechanisms: A New Debate on Internalizing Power Generation Sector Negative Technical Spillovers," *Energy*, vol. 301, 131666, 2024.
- [11]. Sayed Vahid Saleh, and Mohammad Amin Latify, "Coordinated Unbalance Compensation and Harmonic Mitigation in the Secondary Distribution Network Through EVs Participation," *IEEE Transactions on Smart Grid*, vol. 15, pp. 4450-4462, 2024.
- [12]. Mohammad Hosein Alaei, and Mohammad Amin Latify, "Dynamic Investment Planning of CVR Implementation Considering PEVs' Reactive Power Compensation Capability," *IET Generation, Transmission and Distribution*, vol. 18, pp. 793-808, 2024.
- [13]. Sarineh Hacobian Dolatabadi, Mohammad Amin Latify, Hamid Reza Karshenas, Ali Morad Sharifi, and Nikos D. Hatziargyriou, "Dealing with Inefficiencies of Electricity Markets by Internalization of Negative Externalities of the Operational Restrictions of Generating Units," *IEEE Transactions on Energy Markets, Policy, and Regulation*, vol. 1, pp. 420-429, 2023.

- [14]. Sarineh Hacopian Dolatabadi, Mohammad Amin Latify, Hamid Reza Karshenas, and Ali Morad Sharifi, "Achieving Economic Efficiency in the Electricity Markets Through Internalizing Negative Externalities," *IET, Generation, Transmission and Distribution*, vol. 17, pp. 2401 - 24118, 2023.
- [15]. Mohammad Reza Tavakoli, Akbar Ebrahimi, and Mohammad Amin Latify, "AC Transmission Expansion Planning based on Self-organized Criticality to Mitigate the Risk of Cascading Blackouts," *IET, Generation, Transmission and Distribution*, vol. 17, pp. 2097 - 2114, 2023.
- [16]. Fatemeh Rajaei, Mohammad Amin Latify, and Akbar Ebrahimi, "Incorporating DSO's Situational Awareness in Resilience-Oriented Distribution System Planning," *IEEE Transactions on Smart Grid*, vol. 14, pp. 1985-1997, 2023.
- [17]. Siamak Jafarpisheh, Ahmad Reza Tabesh, Nasrin Rezaei, Mohammad Amin Latify, and Hamid Reza Karshenas, "Autonomous Wireless Heat Energy Meter based on Piezoelectric Energy Harvester for Heat Energy Measurement in Building Complexes," *Scientific Journal of Energy Engineering & Management*, vol. 13, pp. 2 - 11, 2023. (in Persian)
- [18]. Sarineh Hacopian Dolatabadi, Mohammad Amin Latify, Hamid Reza Karshenas, and Ali Morad Sharifi, "On Pricing Issues in Electricity Markets in the Presence of Externalities," *Energy*, vol. 246, 123273, 2022.
- [19]. Hadi Nemati, Mohammad Amin Latify, and G. Reza Yousefi, "Tri-level Coordinated Transmission and Electrical Energy Storage Systems Expansion Planning under Physical Intentional Attacks," *Journal of Energy Storage*, vol. 42, 103095, 2021.
- [20]. Mohammad Reza Sheibani, G. Reza Yousefi, and Mohammad Amin Latify, "Economics of Energy Storage Options to Support a Conventional Power Plant: A Stochastic Approach for Optimal Energy Storage Sizing," *Journal of Energy Storage*, vol. 33, 101892, 2021.
- [21]. Mahdi Khajerezaei, G. Reza Yousefi, Mohammad Amin Latify, and Ebrahim Shayesteh, "Outage Power Cost Calculation and Optimal Interruption Allocation to the Customers," *Iranian Journal of Electrical and Computer Engineering*, vol. 18, pp. 169 - 177, 2020. (in Persian)
- [22]. Seyed Nasrollah Hashemian, Mohammad Amin Latify, and G. Reza Yousefi, "PEV Fast-Charging Station Sizing and Placement in Coupled Transportation-Distribution Networks Considering Power Line Conditioning Capability," *IEEE Transactions on Smart Grid*, vol. 11, pp. 4773-4783, 2020.
- [23]. Sasan Pirouzi, Mohammad Amin Latify, and G. Reza Yousefi, "Conjugate Active and Reactive Power Management in a Smart Distribution Network through Electric Vehicles: A Mixed Integer-Linear Programming Model," *Sustainable Energy, Grids and Networks*, vol. 22, 100344, 2020.
- [24]. Naghi Hosseini, Abdolreza Sheikholeslami, Taghi Barforoushi, and Mohammad Amin Latify, "Preventive Maintenance Mid-term Scheduling of Resources in Multi-Carrier Energy Systems," *Energy*, vol. 197, 117164, 2020.

- [25]. Naghi Hosseini, Abdolreza Sheikholeslami, Taghi Barforoushi, and Mohammad Amin Latify, "Generation Units Maintenance Coordination in Multi-Carrier Energy System," *Tabriz Journal of Electrical Engineering*, vol. 50, pp. 1151 - 1163, 2020. (in Persian)
- [26]. Amir Samadi, Hossein Saidi, Mohammad Amin Latify, and Mehdi Mahdavi, "Smart Home Energy Management based on Tasks Interaction," *Tabriz Journal of Electrical Engineering*, vol. 50, pp. 765-776, 2020. (in Persian)
- [27]. Amir Samadi, Hossein Saidi, Mohammad Amin Latify, and Mehdi Mahdavi, "Home Energy Management System Based on Task Classification and the Resident's Requirements," *International Journal of Electrical Power & Energy Systems*, vol. 118, 105815, 2020.
- [28]. Hadi Nemati, Mohammad Amin Latify, and G. Reza Yousefi, "Optimal Coordinated Expansion Planning of Transmission and Electrical Energy Storage Systems under Physical Intentional Attacks," *IEEE Systems Journal*, vol. 14, pp. 793-802, 2020.
- [29]. Mazaher Hajibashi, G. Reza Yousefi, Mohammad Amin Latify, and Claus Bak, "Impacts of Intraday Risky Power Trades on the High Wind Penetrated Electricity Markets," *IET, Generation, Transmission and Distribution*, vol. 13, pp. 3836-3846, 2019.
- [30]. Mohammad Reza Sheibani, G. Reza Yousefi, and Mohammad Amin Latify, "Stochastic Price Based Coordinated Operational Planning of Energy Storage Systems and Conventional Power Plants," *Journal of Modern Power Systems and Clean Energy*, vol. 7, pp. 1020-1032, 2019.
- [31]. Mostafa Ansari, Mohammad Amin Latify, and G. Reza Yousefi, "GenCo's Mid-term Optimal Operation Analysis: Interaction of Wind Farm, Gas Turbine and Energy Storage Systems in Electricity and Natural Gas Markets," *IET, Generation, Transmission and Distribution*, vol. 13, pp. 2328-2338, 2019.
- [32]. Hadi Nemati, Mohammad Amin Latify, and G. Reza Yousefi, "Tri-level Transmission Expansion Planning under Intentional Attacks: Virtual Attacker Approach-Part II: Case Studies," *IET, Generation, Transmission and Distribution*, vol. 13, pp. 399-408, 2019.
- [33]. Hadi Nemati, Mohammad Amin Latify, and G. Reza Yousefi, "Tri-level Transmission Expansion Planning under Intentional Attacks: Virtual Attacker Approach-Part I: Formulation," *IET, Generation, Transmission and Distribution*, vol. 13, pp. 390-398, 2019.
- [34]. Naghi Hosseini, Abdolreza Sheikholeslami, Taghi Barforoushi, and Mohammad Amin Latify, "Generation Units Maintenance Scheduling in Multi-Carrier Energy System," *Tabriz Journal of Electrical Engineering*, vol. 48, pp. 1083-1094, 2018. (in Persian)
- [35]. Ali Reza Vahabi, Mohammad Amin Latify, Morteza Rahimiyan, and G. Reza Yousefi, "An Equitable and Efficient Energy Management Approach for a Cluster of Interconnected Price Responsive Demands," *Applied Energy*, vol. 219, pp. 276-289, 2018.

- [36]. Mohammad Reza Sheibani, G. Reza Yousefi, Mohammad Amin Latify, and Sarineh Hacopian Dolatabadi, "Energy Storage System Expansion Planning in Power Systems: A Review," *IET Renewable Power Generation*, vol. 12, pp. 1203-1221, 2018.
- [37]. Mahdi Ashabani, Mohammad Amin Latify, and Hamid Reza Karshenas, "Multiobjective Autonomous Intelligent Load Control for Hybrid Single/Three-Phase AC/DC Smart Buildings," *IEEE Transactions on Sustainable Energy*, vol. 9, pp. 1220-1233, 2018.
- [38]. Mehdi Zeraati, Zahra Aref, and Mohammad Amin Latify, "Vulnerability Analysis of Power Systems under Physical Deliberate Attacks Considering Geographic-Cyber Interdependency of the Power System and Communication Network," *IEEE Systems Journal*, vol. 12, pp. 3181-3190, 2018.
- [39]. Hadi Nemati, Mohammad Amin Latify, and G. Reza Yousefi, "Coordinated Generation and Transmission Expansion Planning for a Power System under Physical Deliberate Attacks," *International Journal of Electrical Power & Energy Systems*, vol. 96, pp. 208-221, 2018.
- [40]. Massoud Ameri, Morteza Rahimiyan, and Mohammad Amin Latify, "Capacity Withholding Constrained by Operational Limits of Generation under Financial Virtual Divestiture in a Day-Ahead Market," *IEEE Transactions on Power Systems*, vol. 33, pp. 771-780, 2018.
- [41]. Morteza Jadidoleslam, Akbar Ebrahimi, and Mohammad Amin Latify, "Probabilistic Transmission Expansion Planning to Maximize the Integration of Wind Power," *Renewable Energy*, vol. 114, pp. 866-878, 2017.
- [42]. Sasan Pirouzi, Jamshid Aghaei, Mohammad Amin Latify, G. Reza Yousefi, and Geev Mokryani, "A Robust Optimization Approach for Active and Reactive Power Management in Smart Distribution Networks Using Electric Vehicles," *IEEE Systems Journal*, vol. 12, pp. 2699-2710, 2018.
- [43]. G. Reza Yousefi, Sajjad Makhdoomi Kaviri, Mohammad Amin Latify, and Iman Rahmati, "Electricity Industry Restructuring in Iran," *Energy Policy*, vol. 108, pp. 212-226, 2017.
- [44]. Saeed Sayyadipour, G. Reza Yousefi, and Mohammad Amin Latify, "Mid-term Vulnerability Analysis of Power Systems under Intentional Attacks," *IET, Generation, Transmission and Distribution*, vol. 10, pp. 3745-3755, 2016.
- [45]. Abbas Marini, Mohammad Amin Latify, Mohammad Sadegh Ghazizadeh, and Ahmad Salemnia, "Joint Generation Units and Energy Storage Systems Maintenance Scheduling," *Tabriz Journal of Electrical Engineering*, vol. 46, pp. 285-297, 2016. (in Persian)
- [46]. Abbas Marini, and Mohammad Amin Latify, "Transmission-constrained Generation Maintenance Scheduling Considering Market-based Demand Response," *International Transactions on Electrical Energy Systems*, vol. 26, pp. 1940-1960, 2016.
- [47]. Hajar Abdollahinia, Mohammad Amin Latify, and Mohammad Reza Sheibani, "Improvement of Generation Investment Dynamics by Encouragement of Investment in Distributed Generation," *Tabriz Journal of Electrical Engineering*, vol. 46, pp. 159-174, 2016. (in Persian)

- [48]. Morteza Mirdar, Mohammad Kazem Sheikh-el-Eslami, Hossein Seifi, and Mohammad Amin Latify, "Coordination of Technical and Financial Virtual Power Plants to Participate in Energy and Ancillary Services Market," *Journal of Iranian Association of Electrical and Electronics Engineers*, vol. 13, 2016. (in Persian)
- [49]. Abbas Marini, Mohammad Amin Latify, Mohammad Sadegh Ghazizadeh, and Ahmad Salemnia, "Long-term Chronological Load Modeling in Power System Studies with Energy Storage Systems," *Applied Energy*, vol. 156, pp. 436-448, 2015.
- [50]. Mohammad Amin Latify, Hossein Seifi, Habib Rajabi Mashhadi, and Mohammad Kazem Sheikh-El-Eslami, "Cobweb Theory Based Generation Maintenance Coordination in Restructured Power Systems," *IET, Generation, Transmission and Distribution*, vol. 7, pp. 1253-1262, 2013.
- [51]. Mohammad Amin Latify, Hossein Seifi, and Habib Rajabi Mashhadi, "An Integrated Model for Generation Maintenance Coordination in a Restructured Power System Involving Gas Network Constraints and Uncertainties," *International Journal of Electrical Power & Energy Systems*, vol. 46, pp. 425-440, 2013.
- [52]. Mohammad Amin Latify, Hossein Seifi, and Habib Rajabi Mashhadi, "A Strength Pareto Evolutionary Algorithm-Based Conflict Assessment Framework of Electricity Market Participants Objectives in Generation Maintenance Scheduling," *International Transactions on Electrical Energy Systems*, vol. 23, pp. 342-363, 2013.
- [53]. Habib Rajabi Mashhadi, Javad Sadeh, and Mohammad Amin Latify, "A Risk-Based Approach for Bidding Strategy in an Electricity Pay-as-Bid Auction," *European Transactions on Electric Power*, vol. 19, pp. 39-55, 2009.

Selected Conference Papers

- [1]. Ali Mokhtari, Mohammad Amin Latify, and Morteza Rahimiyan, "Impacts of Energy Storage Systems on Market Power in a Day-Ahead Market with a Dominant Producer," *26th Iranian Conference on Electrical Engineering*, 2018.
- [2]. Saeed Sayyadipour, Mohammad Amin Latify, and G. Reza Yousefi, "Vulnerability Analysis of Power Systems During the Scheduled Outage of Network Facilities," *2016 Iranian Conference on Smart Grid*, 2016.
- [3]. Hadi Nemati, Mohammad Amin Latify, and G. Reza Yousefi, "Transmission System Reinforcement under Intentional Attacks Considering Demand Seasonality," *31th Power System Conference*, 2016.
- [4]. Mostafa Ansari, Mohammad Amin Latify, and G. Reza Yousefi, "Coordinated Operational Planning of Wind Farm and Gas Turbines in a Generation Company with Joint Consideration of Electricity and Natural Gas Markets," *31th Power System Conference*, 2016.

- [5]. Sarineh Hacopian Dolatabadi, Mohammad Amin Latify, and G. Reza Yousefi, "Optimal Energy Storage System Planning Considering Generation Ramp Constraints and Demand Response in the Presence of Wind Power," *31th Power System Conference*, 2016.
- [6]. Sajjad Solat, Mehdi Moallem, and Mohammad Amin Latify, "A Supervisory Hierarchical Fuzzy Controller for Dynamic Voltage Restorer (DVR)," *23th Iranian Conference on Electrical Engineering*, 2015.
- [7]. Masoud Ameri, Morteza Rahimiyan, and Mohammad Amin Latify, "Short-term Impact of Financial Virtual Power Plant on Electricity Market," *23th Iranian Conference on Electrical Engineering*, 2015, (in Persian)
- [8]. Behnam Fadafshari Talebazloo, Mohammad Amin Latify, and Morteza Rahimiyan, "Ex-ante Analysis of Potential Impact of Transmission Switching on Market Power," *23th Iranian Conference on Electrical Engineering*, 2015.
- [9]. Sasan Pirouzi, Mohammad Amin Latify, and G. Reza Yousefi, "Investigation on Reactive Power Support Capability of PEVs in Distribution Network Operation," *23th Iranian Conference on Electrical Engineering*, 2015.
- [10]. Soheil Kaabe, Morteza Rahimiyan, and Mohammad Amin Latify, "Impact of Forecast Accuracy on Energy Management of a Virtual Power Plant," *2014 Iranian Conference on Smart Grid*, 2014.
- [11]. Ali Reza Vahabi, Mohammad Amin Latify, Morteza Rahmiyan, and G. Reza Yousefi, "Energy Management of a Cluster of Interconnected Price Responsive Demands Based on Cooperative Game," *2014 Iranian Conference on Smart Grid*, 2014. (in Persian)
- [12]. Mohammad Amin Latify, Habib Rajabi Mashhadi, Mohammad Bagher Asadi, "Computing and Analysis of Transfer Capability in Different Scenarios for Khorasan Transmission Network Using Genetic Algorithm", *20th International Power System Conference (PSC2005)*, 2005.
- [13]. Habib Rajabi Mashhadi, Javad Sadeh, Mohammad Amin Latify, "Optimal Supply Bidding with Risk Management in an electricity Pay-as-Bid Auction", *13th Power System Computation Conference (PSCC2005)*, 2005.
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Collaborating in Industrial Research & Development Project

Project Manager

1. "Determination of Critical Substations from the Perspective of Power Quality (Discrete and Continuous Phenomena) in the Transmission and Sub-Transmission Networks", Commissioned by the Isfahan Regional Electric Company, 2024 – Present.

2. "Investigation and Implementation of Novel Solution Methods for the Security-Constrained Unit Commitment (SCUC) Problem", Commissioned by the Iran Grid Management Company, 2021 – 2023.
3. "Feasibility Study, Design, and Pilot Implementation of an Optimized Cooling System for Slabs in the Rolling Mills and Continuous Casting Area (Unit 28)", Commissioned by the Mobarakeh Steel Company, 2018 – 2019.
4. "Examination and Study of Wholesale Market Conditions for the Participation of Renewable Energy Units and Power Plants Outside the Control of the Network Operator in the Iranian Electricity Market", Commissioned by the Iran Grid Management Company, 2017 – 2019.
5. "Investigation of the Adequacy of Regulations Pertaining to Power Producers in the Iranian Electricity Market", Commissioned by the Iran Grid Management Company, 2016 – 2017.

Project Collaborator

1. "Modeling and Developing Algorithm for Energy Management System in Power Distribution Network based on FAHAM Characteristics", Commissioned by the Iran Power Generation, Transmission & Distribution (TAVANIR) Company, 2017.
 2. "Investigation of the Efficiency of Various Methods for Allocating Transmission Costs to Users of the Transmission Network", Commissioned by the Iran Grid Management Company, 2016.
 3. "Evaluating Structural Market Power in the Iranian Electricity Market", Commissioned by the Iran Grid Management Company, 2013.
 4. "Monitoring System Design for Iranian Electricity Market", Commissioned by the Iran Grid Management Company, 2013.
 4. "Maintenance Scheduling of Power Plants in the Iranian Power Grid", Commissioned by the Iran Grid Management Company, 2009.
 5. "Static Voltage Stability Studies in the National Power Grid", Commissioned by the Iran Power Generation, Transmission & Distribution (TAVANIR), 2008.
 6. "Investigation of Excitation Voltage Fluctuations in Unit No. 8 at the Shariati Combined Cycle Power Plant", Commissioned by the Khorasan Regional Electric Company, 2005.
 7. "Optimal Pricing Strategy from the Perspective of the Khorasan Electricity Market, Taking into Account Optimal Unit Commitment", Commissioned by the Khorasan Regional Electric Company, 2005.
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Peer Review Contributions

- Reviewer for IEEE Transactions on Smart Grid
 - Reviewer for IEEE Transactions on Power Systems
 - Reviewer for IEEE Transactions on Energy Markets, Policy and Regulation
 - Reviewer for IEEE Transactions on Industrial Informatics
 - Reviewer for IEEE Transactions on Sustainable Energy
 - Reviewer for IEEE Access
 - Reviewer for IEEE Transactions on Industry Applications
 - Reviewer for IET Generation, Transmission & Distribution
 - Reviewer for IET Renewable Power Generation
 - Reviewer for International Journal of Electrical Power and Energy Systems
 - Reviewer for Energy
 - Reviewer for Journal of Energy Storage
 - Reviewer for Applied Energy
 - Journal of Modern Power Systems and Clean Energy
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Teaching Experience

Graduate Courses

- Power Systems Planning
- Power System Security
- Advanced Operation of Power Systems
- Optimization of Power Systems
- Electricity Markets
- Energy Economics

Undergraduate Courses

- Electric Energy Systems I
- Electric Energy Management

- Electric Energy Distribution Systems
 - Electric Circuits II
 - Introduction to Electrical and Computer Engineering
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