

Curriculum Vitae



JAVAD OLAMA EI

Islamic Azad University, South Tehran Branch, Electrical Engineering Department
Tehran, Iran
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Short Biography:

Dr Javad Olamaei received his BS, MS and Ph.D. degrees in electrical engineering in ۱۹۸۸, ۱۹۹۲ and ۲۰۰۸ from Tabriz University, Tabriz, Iran and Amirkabir University of Technology (AUT), Tehran, Iran and Islamic Azad University-Science and Research Branch, Tehran, Iran, respectively.

He has been holding the Lecturer position at Islamic Azad University-South Tehran Branch from Jan. ۱۹۹۷ to June ۲۰۰۹, the Assistant professor position at Islamic Azad University-South Tehran Branch since ۲۰۰۷.

He is a member of IEEE and the author of more than ۷۰ journal and conference papers. His teaching and research interest include Power Distribution System, Distribution Automation System, Microgrids, Renewable Energy and VAR Planning.

EDUCATION:

-Ph.D. in Electrical Engineering, Islamic Azad University-Science and Research Branch, Tehran, Iran, Feb. ۲۰۰۸

Thesis: A Comprehensive Approach for Distribution Network Reconfiguration Considering Distributed Generation

Supervisor: Prof. G. P. Gharehpetian

-M.S. in Electrical Engineering, Amirkabir University, Tehran, IRAN, June ۱۹۹۲

Dissertation: Design and Construction of ۴۰ kw, ۷ khz, Current Source Inverter for induction furnaces.

Supervisor: Prof. Jafar Milimonfared

-B.S. in Electrical Engineering, Tabriz University, Tabriz, IRAN, Dec. ۱۹۸۸

Dissertation: Reliability Assessment in Power Distribution System

EMPLOYMENT:

- Head of Department of Electric Power Engineering (since ۲۰۰۹), Islamic Azad University, South Tehran Branch, Tehran, Iran
- Assistant Professor (since ۲۰۰۷), Islamic Azad University, South Tehran Branch, Tehran, Iran
- Lecturer (۱۹۹۷ to ۲۰۰۹), Islamic Azad University, South Tehran Branch, Tehran, Iran
- Consultant in and Supervisor of Hydro Power Plants with Iran Water and Power Resources Development Company (IWPCO) (since ۲۰۱۲)
- Consultant in Knowledge Transfer from SIEMENS Co. in Efficient and Cost-effective Electric Distribution Network. (۲۰۰۵-۲۰۰۸)
- Consultant in Distributed generation interconnection, loss reduction and CCHP for Power Distribution Companies
- June ۲۰۰۳ to Present: Consultant, Iran Power Generation, Transmission and Distribution Management Holding Company (Tavanir Co.), Distribution Engineering Department, Tehran, Iran.
- **Significant contribution in development of standards and instructions in modern electric distribution network (all these output are currently utilized in Power Distribution Companies in Iran.):**
 - **Distribution automation system,**
 - **Power distribution expansion planning,**
 - **VAR planning in distribution network,**
 - **Electric energy loss determination in distribution network,**
 - **Electric power loss determination in distribution network,**
 - **Short- and medium term-approaches for electric loss reduction in distribution network,**
 - **Load balancing instruction in electric distribution networks,**
 - **Network reconfiguration instruction in electric distribution networks,**
 - **Technical instruction for electric loss value calculation in distribution network,**
 - **Technical instruction for specifying locations for power quality measurement and analysis in electric distribution network,**
 - **Task description of power quality investigation in long-term planning of distribution network,**
 - **Distributed generation interconnection within distribution network.**
- **Consultant in and supervisor of loss reduction projects in more than ۴۰ electric Power Distribution Companies.**
- **Member of Tavanir Co. Scientific and Technical Committees (since ۲۰۰۴):**
 - **Power Distribution Expansion Planning Committee**
 - **Loss Reaction Committee**
 - **Reactive power Committee**
 - **Distributed Generation Committee**
 - **Electric Power Distribution Conference (EPDC) (since ۲۰۱۰)**
 - **Renewable Energies and Distributed Generation (since ۲۰۱۰)**

- Aug. ۱۹۸۷ to Sep. ۱۹۹۲ (۵ yrs & ۱ mo.): Research Fellow, Jihad-e-Daneshgahi Institute, Tehran, Iran. Main achievements that have been utilized in real world:
 - **Development of a ۴۰۰ Hz power supply for aircrafts.**
 - **Design and construction of current source inverter for induction furnaces.**
- June. ۱۹۹۳ to Sep. ۲۰۰۰ (۷ yrs & ۳ mo.): Consultant, Ministry of Jihad-e-Sazandegi, Tehran, Iran. Main achievements:
 - **Development of master plan and guidelines for sustainable rural electrification.**
 - **Development of guideline for run of river small hydro power plants, and implementation of several plants.**
- RASTAB Consultant Company
 - **Detailed Design and Tender documents preparation of Sardabroud Chained Small Hydro Power Plants (Totally ۲۰ MW) (۲۰۰۰-۲۰۰۱)**
 - **Detailed Design and Tender documents preparation of Sardabroud Chained Small Hydro Power Plants Sub-transmission Substation (Totally ۲۰ MW) (۲۰۰۰-۲۰۰۱)**
 - **Analysis of interconnection of ZANJAN Hydro Power Plant (۶۰۰ MW) to the ۲۳۰ kV and ۴۰۰ kV national network, ۲۰۱۱**
 - **Tender documents preparation and preliminary feasibility study of ARDAL Hydro Power Plant (۲۰ MW), ۲۰۰۹.**
- Iranian fuel conservation company (IFCO)
 - **Tender documents preparation and preliminary feasibility study of CCHP for National Iranian Oil Company Buildings, ۲۰۱۲**

PROFESSIONAL SERVICE & ACTIVITIES

- **National Journals' Editorial Board Membership:**
 - Editorial board member of Journal of Research in Quality, Iranian Society for Quality (۲۰۱۳-present)
 - Editorial board member of Journal of Electrical Engineering Science (۲۰۱۴-present)
- **Scientific Board Membership of Iranian Conferences:**
 - Electric Power Distribution Conference (EPDC) (since ۲۰۱۵)
 - Renewable Energies and Distributed Generation (since ۲۰۱۳)
- **Scientific Societies Membership:**
 - IEEE member
 - IEEE Iran Section Power Chapter member
 - IEEE Iran Section Student Branch Consultant in Islamic Azad university, South Tehran Branch

ACADEMIC HONORS

- Distinguished student of Amirkabir University in M.Sc. Degree
- Ph.D. Scholarship from Islamic Azad university, South Tehran Branch
- Distinguished research fellow of Islamic Azad university, South Tehran Branch (۲۰۱۱)

TECHNICAL EXPERIENCES:

- **Participation in workshops as follows:**
 ۱. Master planning in electric distribution networks by SIEMENS, Iran
 ۲. Network analysis and calculation by SIEMENS, Iran
 ۳. Operation & maintenance in electric distribution networks by SIEMENS, Iran
 ۴. Earthing system design in electric distribution networks by SIEMENS, Iran
 ۵. Protection system design in electric distribution networks by SIEMENS, Iran
 ۶. Automation system design in electric distribution networks by SIEMENS, Iran
 ۷. Power quality in electric distribution networks by SIEMENS, Iran
 ۸. Street lighting system design in electric distribution networks by SIEMENS, Iran
 ۹. Distributed generation modeling and integration by GHODS NIROO Engineering Co., Iran
 ۱۰. Small Hydro Power Plant by Hangzhou Regional Center(Asia-Pacific) (۱۹۹۶ TCDC SHP Training Workshop)
 ۱۱. Small Hydro Power Plant by KONČAR - Electrical Industry Inc. (۱۹۹۷)

TALKS & PRESENTATIONS (since ۲۰۰۳):

- **"Loss Reduction" Seminars:**
 ۱. Alborz Electric Power Distribution Co.
 ۲. Ahwaz Electric Power Distribution Co.
 ۳. Shiraz Electric Power Distribution Co.
 ۴. South of Kerman Electric Power Distribution Co.
 ۵. Ardabil Electric Power Distribution Co.
- **"Distribution Automation system" Seminars:**
 ۱. Tavanir Co.
 ۲. Lorestan Electric Power Distribution Co.
 ۳. Gilan Electric Power Distribution Co.
 ۴. Qom Electric Power Distribution Co.
- **"Electric Power Distribution Reliability Assessment" Seminar:**
 ۱. South of Kerman Electric Power Distribution Co.
- **"Synchronous Operation" Seminar:**
 ۱. Mahmoudabad Faculty of Nautical Science
- **"Electrical Machinery Repair " course:**
 ۱. Mahmoudabad Faculty of Nautical Science

RESEARCH INTERESTS:

Power Distribution System, Distribution Automation system, Microgrids, Renewable Energy and VAR Planning

Teaching Experiences:

- **Undergraduate Courses:** Power System Analysis, Electric Machinery I, II, and III,
- **Graduate Courses:** Microgrids, Distributed Generation, Power Distribution Networks, Reactive Power Control, Renewable Energy
- **Supervisor** of more than ۸۰ **undergraduate** and ۷ **postgraduate** students.
- **Electric Machines III, ۴** **Semester**
 - ۳ hours lecture per week, ۱۶ weeks per Semester;
 - Islamic Azad University, South Tehran Branch, Department of Electric Power Engineering, Tehran, Iran.
- **Electric Machines II, ۳** **Semester**
 - ۳ hours lecture per week, ۱۶ weeks per Semester;
 - Islamic Azad University, South Tehran Branch, Department of Electric Power Engineering, Tehran, Iran.
- **Electric Machines I, ۲** **Semester**
 - ۳ hours lecture per week, ۱۶ weeks per Semester;
 - Islamic Azad University, South Tehran Branch, Department of Electric Power Engineering, Tehran, Iran.
- **Power System Analysis I, ۱** **Semester**
 - ۳ hours lecture per week, ۱۶ weeks per Semester;
 - Islamic Azad University, South Tehran Branch, Department of Electric Power Engineering, Tehran, Iran.
- **Reactive Power Control, ۱** **Semester**
GRADUATE COURSE
 - ۳ hours lecture per week, ۱۶ weeks per Semester;
 - Islamic Azad University, South Tehran Branch, Department of Electric Power Engineering, Tehran, Iran.
- **Reactive Power Control, ۳** **Semester**
GRADUATE COURSE
 - ۳ hours lecture per week, ۱۶ weeks per Semester;
 - Islamic Azad University, Kish Branch, Department of Electric Power Engineering,

Kish, Iran.

- **Reactive Power Control, ۲ Semester**

GRADUATE COURSE

- ۳ hours lecture per week, ۱۶ weeks per Semester;
- Islamic Azad University, Qazvin Branch, Department of Electric Power Engineering, Qazvin, Iran.

- **Reactive Power Control, ۱ Semester**

GRADUATE COURSE

- ۳ hours lecture per week, ۱۶ weeks per Semester;
- Islamic Azad University, North Tehran Branch, Department of Electric Power Engineering, Tehran, Iran.

- **Distributed Generation, ۱.۴ Semester**

GRADUATE COURSE

- ۳ hours lecture per week, ۱۶ weeks per Semester;
- Islamic Azad University, South Tehran Branch, Department of Electric Power Engineering, Tehran, Iran.

- **Distributed Generation, ۱.۰ Semester**

GRADUATE COURSE

- ۳ hours lecture per week, ۱۶ weeks per Semester;
- Islamic Azad University, Qazvin Branch, Department of Electric Power Engineering, Qazvin, Iran.

- **Distributed Generation, ۲ Semester**

GRADUATE COURSE

- ۳ hours lecture per week, ۱۶ weeks per Semester;
- Islamic Azad University, Kish Branch, Department of Electric Power Engineering, Tehran, Iran.

- **Microgrids, ۱ Semester**

GRADUATE COURSE

- ۳ hours lecture per week, ۱۶ weeks per Semester;
- Islamic Azad University, North Tehran Branch, Department of Electric Power Engineering, Tehran, Iran.

- **Power Distribution Networks, ۲ Semester**

GRADUATE COURSE

- ۳ hours lecture per week, ۱۶ weeks per Semester;
- Islamic Azad University, Qazvin Branch, Department of Electric Power Engineering, Qazvin, Iran.

- **Power Distribution Networks, ۳ Semester**

GRADUATE COURSE

- ۳ hours lecture per week, ۱۶ weeks per Semester;
- Islamic Azad University, Kish Branch, Department of Electric Power Engineering, Tehran, Iran.

- **Power Distribution Networks, ۳ Semester**

GRADUATE COURSE

- ۳ hours lecture per week, ۱۶ weeks per Semester;
- Islamic Azad University, North Tehran Branch, Department of Electric Power Engineering, Tehran, Iran.

- **Renewable Energy, ۱ Semester**

GRADUATE COURSE

- ۳ hours lecture per week, ۱۶ weeks per Semester;
- Islamic Azad University, Qazvin Branch, Department of Electric Power Engineering, Qazvin, Iran.

- **Renewable Energy, ۱ Semester**

GRADUATE COURSE

- ۳ hours lecture per week, ۱۶ weeks per Semester;
- Islamic Azad University, South Tehran Branch, Department of Electric Power Engineering, Tehran, Iran.

- **Reactive Power Control, ۱ Semester**

GRADUATE COURSE

- ۳ hours lecture per week, ۱۶ weeks per Semester;
- Islamic Azad University, Kish Branch, Department of Electric Power Engineering, Qazvin, Iran.

JOURNAL PAPERS:

١. J Olamaei, M karimi, "THD Minimization in Multilevel Inverters using Teaching-Learning-Based Optimization Algorithm", *International Journal of Ambient Energy*, pp. **1-9, 2017**
٢. J Olamaei, S Ebrahimi, A Moghassemi, "Compensation of voltage sag caused by partial shading in grid-connected PV system through the three-level SVM inverter", *Sustainable Energy Technologies and Assessments* **18**, pp. **107-118, 2016**
٣. A Rostami, H Abdi, M Moradi, J Olamaei, E Naderi, "Islanding Detection based on ROCOV and ROCORP Parameters in the Presence of Synchronous DG Applying the Capacitor Connection Strategy", *Electric Power Components and Systems*, pp. **1-16, 2016**
٤. M Ghiasi, J Olamaei, "Optimal capacitor placement to minimizing cost and power loss in Tehran metro power distribution system using ETAP (A case study)", *Complexity* **21** (S2), pp. **483-493, 2016**
٥. MA Norouzi, J Olamaei, GB Gharehpetian, "Compensation of voltage sag and flicker during thermal power plant turbo-expander operation by dynamic voltage restorer", *International Transactions on Electrical Energy Systems*, **26** (1), pp. **16-31, 2016**
٦. J Olamaei, M Karimi, S Khalilnasab, "Application of Teaching-Learning-Based Optimization in Solving Selective Harmonic Elimination Problem of Multilevel Inverters", *The Modares Journal of Electrical Engineering* **14** (1), pp. **1-8, 2016**
٧. MF Kazemi, J Olamaei, "An intelligent estimation framework in the area of real-time tracking", *Transactions of the Institute of Measurement and Control*, pp. **1-8, 2015**
٨. J Olamaei, S Ashouri, "Demand response in the day-ahead operation of an isolated microgrid in the presence of uncertainty of wind power", *Turkish Journal of Electrical Engineering & Computer Sciences* **23** (2), pp. **491-504, 2015**
٩. J Olamaei, F NarjabadiFam, A Nazeri, "A novel control scheme for simultaneous elimination of imbalance, disturbance and voltage harmonic in power systems", *Journal of Central South University* **21** (4), pp. **1368-1375, 2014**
١٠. MR Andervazh, J Olamaei, MR Haghifam, "Adaptive multi-objective distribution network reconfiguration using multi-objective discrete particles swarm optimization algorithm and graph theory", *IET Generation, Transmission & Distribution* **7** (12), pp. **1367-1382, 2013**
١١. SMH Hosseini, H Samadzadeh, J. olamaei, M FARSADI, "SSR mitigation with SSSC thanks to fuzzy control", *Turkish Journal of Electrical Engineering & Computer Sciences* **21**, pp. **2294-2306., 2013**
١٢. MA Norouzi, J Olamaei, MJ Norouzi, "Improving voltage sag of Turbo-expander starting in NEKA power plant by STATCOM", *International Journal of Engineering Research and Technology* **2** (10), **2013**
١٣. Pazouki, MR Haghifam, J Olamaei, "Effect of Wind Turbine, Solar Cells and Storages in Short Term Operation of Coupled Electricity and Gas Infrastructures in Different Climates", *International Journal of Smart Electrical Engineering* **2** (3), pp. **159-165, 2013**
١٤. H Doagou-Mojarrad, GB Gharehpetian, H Rastegar, J Olamaei, "Optimal placement and sizing of DG (distributed generation) units in distribution networks by novel hybrid evolutionary algorithm", *Energy* **54**, **129-138, 2013**

١٥. RF Kerendian, H Lesani, J Olamaei, "Improving power system stability by using Dynamic Particle Swarm Optimization Algorithm", *Journal of Advanced & Applied Sciences* **11, 12**, pp. **1-6, 2013**
١٦. A Daneshi, M Khederzadeh, H Daneshi, J Olamaei, "Integration of Wind and Energy Storage in SCUC Problem with Emission Constraint", *Iranian Journal of Electrical and Computer Engineering (IJECE)* **11 (2)**, PP. **93-101, 2012**
١٧. M Hadizadeh, MR Haghifam, J Olamaei, "Voltage Stability Enhancement Considering Operation of Smart Loads", *Advanced Materials Research* **463**, pp. **1729-1733, 2012**
١٨. J Olamaei, SM Hasheminasab, M Haghifam, "Optimal operation of Microgrid with renewable and combined heat and power resources "European Journal of Scientific research, ISSN, pp. **543-550, 2012**
١٩. J. Olamaei, J. Javan, M. Khederzadeh "Impact of Wind Farm on Power Quality Regarding to FACTS Devices", *Australian Journal of Basic and Applied Sciences*, **6(2)**, PP. **164-169, 2012**
٢٠. Javad Olamaei, Sirous badali, Taher Niknam, "Distribution Feeder Reconfiguration for Loss Minimization Based on Modified Honey Bee Mating Optimization Algorithm with Distributed Generations", *Australian Journal of Basic and Applied Sciences*, **6(2)**, pp. **133-141, 2012**
٢١. Javad Olamaei, Hamed Zeinoddini-Meymand, "Interactive Multi-objective daily Operation Management of Distribution Network considering Fuel Cell Power Plants", *International Review of Electrical Engineering (I.R.E.E, Vol 5)*, No **6**, pp.**2428-2439, 2011**
٢٢. Javad olamaei, Seyed Mohammad Sadeghzadeh, "Over Current Relays Protective Coordination Restoration in Distribution Systems in Presence of Distributed Generation by FCL", *Australian Journal of Basic and Applied Sciences*, **5(7)**, pp.**1274-1283, 2011**
٢٣. Javad Olamaei, Rouzbeh Jahani, "Designing Electricity Market auction: Discriminatory Auction or Uniform Pricing Auction", *Australian Journal of Basic and Applied Sciences*, **5(4)**, pp. **232-238, 2011**
٢٤. Chahkandi Nejad, H.; Olamaei, J.; Jahani, R.; Ghiasi Zadeh, H., "Optimal Distributed Generation Location in Radial Distribution Systems Using A New Heuristic Method", *Australian Journal of Basic and Applied Sciences*, **5(7)**, PP. **612-621, 2011**
٢٥. Heidarali Shayanfar, Rouzbeh Jahani, Javad Olamaei, "Comparison of Modified Shuffled Frog Leaping Algorithm and Other Heuristic Methods for Optimal Placement of Unified Power Flow Controllers in Electrical Power Systems", *Australian Journal of Basic and Applied Sciences*, **4(11)**, pp. **5590-5598, 2010**
٢٦. Taher NiknamEmail authorBabak AmiriJavad OlamaeiAli Arefi, "An Efficient Hybrid Evolutionary Optimization Algorithm Based on PSO and Sa for Clustering" *Journal of Zhejiang University SCIENCE A*, **10(4)**, pp.**512-519, 2009**
٢٧. J. Olamaei, T. Niknam, G.H.Gharehoetian, "Application of Particle Swarm Optimization for Distribution Feeder Reconfiguration Considering Distributed Generators", *Elsevier, Applied Mathematics and Computation* **201**, pp. **575-586, (2008)**
٢٨. T. Niknam, J. Olamaei and B. Amiri, "A Hybrid Evolutionary Algorithm Based on ACO and SA for Cluster Analysis", *Journal of applied science*, **8(15)**, pp. **2695-2702,2008**

۳۹. Taher Niknam , Javad Olamaie , Reza Khorshidi, "A Hybrid Algorithm Based on HBMO and fuzzy Set Multi-objective Distribution Feeder Reconfiguration", World Applied Sciences Journal **4 (2)**, **308-315, 2008**
۳۰. Nikman, T., Mayeripour, M., Olamaei, J., & Arefi, A, "An Efficient Hybrid Evolutionary Optimization Algorithm for Daily Volt/Var Control at Distribution System Including DGs", International Review of Electrical Engineering (I.R.E.E.), Vol**3**, No**3**, pp. **513-524, 2008**
۳۱. "Effect of Distributed Generators on the Optimal Operation of Distribution Networks", World Academy of Science, Engineering and Technology **46**, PP. **599-603, 2008**
۳۲. A. Safari, R. Jahani, H. A. Shayanfar, J. Olamaei, "Optimal DG Allocation in Distribution Network", International Journal of Energy and Power Engineering **3:4**, PP. **240-243, 2010**
۳۳. R. Jahani, A. Safari, J. Olamaei, H. A. Shayanfar, "Using a New Hybrid Method for Optimal Placement of Unified Power Flow Controller in Power System", International Journal of Electrical and Power Engineering, Vol. **4(3)**, PP.**169-176, 2010**
۳۴. Fazli M; Jahani R; Fazli A; Olamaei J; Shayanfar H., "A New Method to connect wind turbines equipped with DFIGs to the power grid using FCL and STATCOM", International Review of Modeling and Simulations (I.RE.MO. S), Vol. **3**, No**4**, PP. **598-603, 2010**
۳۵. Nejad, H.C., Jahani, R., Olamaei, J., Shayanfar, H.A, "Using an exhaustive - based search algorithm for selective harmonic reduction of multilevel inverters", International Review of Modeling and Simulations (I.RE.MO.S),Vol. **3**, No**6**, **1229-1233, 2010**
۳۶. R. Jahani, H.A. Shayanfar, N.M. Tabatabaei, J. Olamaei, "Optimal Placement of Unified Power Flow Controlled in Power System by a New Advances Heuristic", International Journal on "Technical and Physical Problems of Engineering" (IJTPE), Vol. **1**, No. **4**, Iss. **5**, PP. **13-18, 2010**
۳۷. H. Chahkandi nejad, R. Jahani, M. Mohammad Abadi, A. Zare, J. Olamaei, H. A. Shayanfar, "Synchronous generators dynamic parameters estimation by a fuzzy index and neural-based", International Review of Automatic Control (I.R.EA.CO), Vol. **3**, No**5**, **492-498, 2010**
۳۸. Mohammad Hasan Raouf, Ebrahim Rasooli Anarmarzi, Hamid Lesani, and Javad Olamaei, "Power System Damping Using Hierarchical Fuzzy Multi- Input Power System Stabilizer and Static VAR Compensator", International Journal of Electrical and Electronics Engineering **5: 2**, **117-123, 2011**
۳۹. M.H. Aslinezhad , S.M. Sadeghzadeh , J. Olamaei , "Over current Relays Protective Coordination in Distribution Systems in Presence of distributed generation", International Journal on "Technical and Physical Problems of Engineering" (IJTPE), Iss. **7**, Vol. **3**, No. **2**, **40-46, 2011**
۴۰. Mohammad Hadizadeh, Mahmoud Reza Haghi Fam, Javad Olamaei, "Voltage Stability Enhancement Considering Operation of Smart Loads", Advanced Materials Research Vols. **463-464**, pp. **1729-1733, 2012**

CONFERENCE PAPERS;

۱. J Olamaei, MM Khademi, A Arjomand, 'A model to incorporate Demand Response Programs in Security Constrained Unit Commitment", Industrial Engineering and Operations Management (IEOM), **2015**

٢. T Kaboodi, J Olamaei, H Siahkali, R Bitar, "Optimal distribution network reconfiguration using fuzzy interaction and MPSO algorithm", Smart Grid Conference (SGC), **2014**
٣. F Faradjizadeh, MR Tavakoli, J Olamaei, E Afjei, "Using SSSC based induction machines for indirect torque control during fault", Thermal Power Plants (CTPP), **2014 5th** Conference on,
٤. S Pazouki, MR Haghifam, J Olamaei, "Economical scheduling of multi carrier energy systems integrating Renewable, Energy Storage and Demand Response under Energy Hub Approach Smart Grid Conference (SGC), **2013**
٥. S Pazouki, MR Haghifam, J Olamaei, "Short term scheduling of multi carrier systems through interruptible load and Energy Storage toward future sustainable energy needs", Electrical and Electronics Engineering (ELECO), **2013**.
٦. J Olamaei, M Moradi, T Kaboodi, "A new adaptive modified firefly algorithm to solve optimal capacitor placement problem", Electrical Power Distribution Networks (EPDC), **2013**
٧. MH Aslinezhad, E Doremami, J Olamaei, "Micro-combined heating and power generation and an economical and technical comparison of fuel cell technologies used in it", Electrical Power Distribution Networks (EPDC), **2012**
٨. SMH Hosseini, J Olamaei, V Gholami, M Jahangir, "Decision tree based online identification of critical voltage control area", Power and Energy Engineering Conference (APPEEC), **2012**
٩. J.Olamaei, J.Javan, A.Yavartalab, M. Khederzadeh, "Advanced Control of FACTS Devices for Improving Power Quality Regarding to Wind Farms", Elsevier Energy Procedia, Vol. **14**, **298 – 303**, **2012**
١٠. Ali Arefia, Javad Olamaei, Akbar Yavartalab, Hesam Keshtkar, "Loss reduction experiences in electric power distribution companies of Iran", Elsevier Energy Procedia, Vol. **14**, **1392 – 1397**, **2012**
١١. Distribution Feeder Reconfiguration for Loss Minimization Based on Modified Honey Bee Mating Optimization Algorithm, Elsevier Energy Procedia, Vol. **14**, **304 – 311**, **2012**
١٢. J Olamaei, T Niknam, S. Badali, A. Arefi, "Distribution feeder reconfiguration for loss minimization based on modified honey bee mating optimization algorithm", Energy Procedia **14**, **2012**
١٣. J Olamaei, MA Ghasemabadi, MH Kapourchali, "An efficient method for load flow analysis of distribution networks including PV nodes", Electric Power and Energy Conversion Systems (EPECS), **2011**
١٤. MH Raouf, J Olamaei, ER Anarmarzi, H Lesani, 'Study of fuzzy multi-input power system stabilizer by using communication lines active power deviations input", Environment and Electrical Engineering (EEEIC), **2011**
١٥. A Arefi, M Haghifam, A Yavartalab, J Olamaei, H Keshtkar, " Loss reduction planning in electric distribution networks of IRAN until **2025**", Electrical Power Distribution Networks (EPDC), **2011**
١٦. AH Mazinan, MF Kazemi, J Olamaei, "A complete solution to intelligence based multivariable predictive control scheme", GCC Conference and Exhibition (GCC), **2011**

- ١٧. A Daneshi, N Sadrmomtazi, M Khederzadeh, J Olamaei, "Integration of wind power and energy storage in SCUC problem", World Non-Grid-Connected Wind Power and Energy Conference (WNWEC), **2010**
- ١٨. J Olamaei, AH Mazinan, A Arefi, T Niknam, 'A hybrid evolutionary algorithm based on ACO and SA for distribution feeder reconfiguration", Computer and Automation Engineering (ICCAE), **2010**
- ١٩. A Arefi, MR Haghifam, SH Fathi, T Niknam, J Olamaei, "A novel algorithm based on Honey Bee Mating Optimization for distribution harmonic state estimation including distributed generators", PowerTech, **2009**
- ٢٠. J Olamaei, T Niknam, G Gharehpetian, "Impact of distributed generators on distribution feeder reconfiguration", Power Tech, **2007**
- ٢١. J Olamaei, T Niknam, G Gharehpetian, E Jamshidpour, " An approach based on ant colony optimization for distribution feeder reconfiguration considering distributed generation", **19th** international conference on electricity distribution, Vienna,**2007**
- ٢٢. T Niknam, E Jamshidpour, J Olamaei, "An Approach Based on Differential Evolution for Volt/Var Control at Distribution Network Considering Distributed Generators", **19th** International Conference on Electricity Distribution, Vienna, **2007**
- ٢٣. J Olamaie, T Niknam, "Daily Volt/Var control in distribution networks with regard to DGs: a comparison of evolutionary methods", Power India Conference, **2006**
- ٢٤. J Olamaei, MM Khademi, 'Multiobjective Locating and Sizing OF Multiple Distributed Energy Resources via Shuffled Frog Leaping Algorithm", IJTPE, **2007**