

## CURRICULUM VITAE

**Shahram Jadid**

**Professor**

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### **ACADEMIC/ADMINISTRATIVE positions held**

2016-present, Editor-in-chief, Iranian Journal of Electrical and Electronic Engineering

2016-present, Head of Information Technology and Central Library, IUST

2015-present, member of Power System Planning Board, NRI, Ministry of Power

2015-Conference Secretary, Sixth Conference on Thermal Power Plant (CTPP 2106)

2014-2016, Head of School of Electrical Engineering, IUST

2012, Visiting Professor, Center for Urban Energy, Ryerson University, Toronto, Canada

2012-present, member, Board of Editors, Iran Energy Journal, Ministry of Power

2005-2012, Head of Center of Excellence for Power System Automation and Operation

2010-present, Professor

2004-2006, member of Strategic Demand Management Study Group - IEEE, Iran

2005-2009, General Secretary of Iran Energy Association

2003-2005, Head of University-Industry Liaison office, IUST

2000-2010, Associate Professor

1999-2014, Head of Green Research Center, IUST

1993-2000, Assistant Professor

## **AWARDS**

2015- Top Researcher of the Year Award in school of EE from IUST Deputy Research  
2012- Best Book (Smart Grid) Award from Minister of Power  
2010- Pioneer Center of Excellence Award form Ministry of Higher Education and Research  
2010- Leading Researcher Award from Electrical Engineering Department at IUST  
2009- Leading Researcher Award from Electrical Engineering Department at IUST  
2008- Leading Researcher Award from Electrical Engineering Department at IUST  
2005- Top Researcher of the Year Award from Ministry of Power  
2003- Best Research Center Award from Ministry of Power  
2002- Best Translator Award from Tehran University for Translating Power System Analysis Books (Vol. 1 and 2)

## **CONSULTING EXPERIENCE**

2010-present, Member of Research Commission, Iran Energy Efficiency Organization  
2010-present, Member of Editing Committee, Iran Energy Journal  
2008-present, Member of Research Commission, Tehran Distribution Company  
2008-2010, Advance Metering Infrastructure Consultant, Tehran Distribution Company  
2009, West Regional Electric Company  
2007-2008, Research Department of Ministry of Industry  
2005-2006, Energy consultant at UNIDO, United Nation's office in Iran  
2004-2005, Iran Fuel Conservation Company  
2004-2005, Tehran Regional Electric Company  
2003-2004, Hormozgan Regional Electric Company  
2003, Kerman Regional Electric Company  
2002, Iran Industrial Standard Research Organization  
2001-2005, Member of Research Commission, Tehran Regional Electric Company  
2001, Arak Machinery Factory  
2000-2003, Iran Automobile Manufacturing Company (Iran Khodro)  
1998-2000, Zanzan Regional Electric Company  
1998-2006, Mazandaran Regional Electric Company  
1998-1999, Iran Energy Efficiency Organization  
1997-2001, Fars Regional Electric Company  
1997-2010, Office of Energy Efficiency, Department of Energy, Ministry of Power  
1992-1998, Electric Power Research Center, Tehran

## **TEACHING AND RESEARCH INTERESTS**

Smart Grid; Advanced Smart Metering; Distributed Generation; Operation, control and optimization of electric power systems; Power markets and Power system restructuring

## **COURSES TAUGHT**

Smart Grids (MS and Ph.D.)  
 Modern Power Systems Operation and Control (MS and Ph.D.)  
 Restructured Power Systems (MS and Ph.D.)  
 Energy and Load Management (MS and Ph.D.)  
 Application of Expert System to Power Systems (MS and Ph.D.)  
 Power System Analysis I (Undergraduate)  
 Electric Circuits Theory (Undergraduate)  
 Basic Electrical Engineering (Undergraduate)

## **STUDENTS PROJECTS** (date of graduation is given in parenthesis)

### **(a) Ph.D. Projects**

- [1] A. Salami (2005), Powers system load shedding based on frequency response analysis
- [2] M. Sheikh El-Eslami (2005), A MADM framework for generation expansion planning in restructured power system
- [3] S. Jalilzadeh (2006), Dynamic security assessment and contingency ranking based on combination of severity indices
- [4] H. Andami (2008), Multiarea transmission network loss allocation in restructured power system
- [5] A. Badri (2008), Optimal bidding strategies in oligopoly markets considering bilateral contracts and transmission constraints
- [6] A. Zangeneh (2010), Multiobjective model for distributed generation expansion planning in uncertain environment
- [7] V. Vahidinasab (2010), Multiobjective self-scheduling of a power producer in joint energy and reserves markets
- [8] B. Alizadeh (2014), Simultaneous generation and transmission expansion planning considering reliability and uncertainties in load forecasts
- [9] P. Rabbanifar (2014), Security cost allocation in joint energy and reserve markets
- [10] M. Khojasteh (2015), Multiobjective optimal bidding strategy for distributed generations in retail power market
- [11] A. Zakariazadeh (2015), Smart grid optimized operation and control techniques
- [12] F. Barati (ongoing), Storage planning, operation and management in smart grids

### **(b) Master's Projects**

- [1] M. R. Rokni (1995), An expert system for power system contingency analysis

- [2] A.K. Motie (1995), Application of expert system to determine switching sequence in high voltage substations
- [3] H. Rahimi (1996), Application of expert system to power system unit commitment
- [4] S. Pourhadi (1996), Reactive power optimization using genetic algorithm
- [5] M. Bababeik (1997), Design and development of an expert system for alarm processing in a high voltage substation
- [6] M. Gholitabar (1998), Detection of high impedance faults in power systems
- [7] S. Omidbeigi (1998), Industrial load reduction and loss optimization
- [8] M. Esmaeily (1998), Power system voltage contingency analysis using a fast localized method
- [9] R. Asareh (1998), Hydrothermal generation coordination
- [10] M. Naserian (1999), Nonlinear dynamic load modeling by estimation and measurement
- [11] M. Mousavi (1999), Design and implementation of measuring and processing unit for power system parameters in non-sinusoidal environment
- [12] A. Salami (1999), Optimum capacitor placement in industrial networks
- [13] H. Fatourehchi (1999), Linear programming model for peak load reduction in power system
- [14] M. Touliat (1999), Load shedding to prevent voltage insecurity in power system using fuzzy logic
- [15] A. Esmaeily (2000), Direct load control using dynamic programming and fuzzy logic
- [16] D. Yazdanpanah (2000), Analysis of overvoltage and harmonics due to capacitor bank switching
- [17] M. Yazdanpanah (2000), Electrical appliance load models used for distribution network analysis
- [18] M.A. Vakili(2000), Distribution network reconfiguration to reduce loss using fuzzy logic
- [19] M. Khazaei (2001), Fast contingency ranking using neural networks and external network modeling
- [20] M. Zare (2002), Voltage contingency analysis using fuzzy logic
- [21] M. Habibi (2002), Distributed generator optimum placement based on genetic algorithm
- [22] H. Roghanian (2002), Allocation of transmission loss to network buses using bus impedance method
- [23] D. Babachahi (2002), Using approximate reasoning for capacitor placement in distribution networks
- [24] S. Ardabili (2003), Dynamic analysis to predict voltage collapse
- [25] A. Arbabtafti (2004), Expert system to detect waveforms in power quality measurements using wavelet
- [26] A. Zanheneh (2004), Dynamic contingency ranking using several severity indices

- [27] G. Fani (2004), Determining harmonic source locations in power systems using harmonic state estimation
- [28] M. Yousefi (2005), Cold load pickup modeling and its application in distribution network restoration
- [29] H. Mahammadnezhad (2005), Unit commitment in restructured power systems considering security and reserve constraints
- [30] M. Mashayekh(2006), Implementation of enhanced load shedding in restructured power system using interior point method
- [31] A. Moradi (2006), Distribution system load estimation using weighted least square method
- [32] V. Nazeri (2006), Load frequency control markets in restructured power systems
- [33] V. Zamani (2007), Assessment of restructured power systems security using contingency sensitivity index
- [34] R. Amoon (2007), Congestion management using interruptible loads in bilateral contracts
- [35] J. Nosratian (2007), Investigation of sustaining security in Bakhtar regional electric company
- [36] B. Alizadeh (2007), Application of game theory for power market bidding strategy
- [37] N. Zia (2007), Multi-attribute indices to assess impact of distributed generation in distribution networks
- [38] F. Mahammadi (2007), Load distribution effects in distributed generation placement
- [39] N. Aslani(2008), Allocation of transmission cost and loss by optimal real power tracing method
- [40] R. Zakerifar (2008), Effect of demand side reserve offers in joint energy-reserve electricity markets
- [41] A. R. Sakinezhad (2008), Multiobjective optimization for sizing and siting of DG in distribution networks using genetic algorithms
- [42] H. R. Kavandi (2008), Generation expansion planning in deregulated environment using genetic algorithm
- [43] S. Nouri (2008), Transmission network loss allocation using equivalent bilateral exchanges principle and genetic algorithm
- [44] A. Dashti (2008), Direct load control in interruptible load market
- [45] S. Najafi (2008), Ex Post pricing in the co-optimized energy and reserve market
- [46] F. Nazari (2008), Pricing for steady state security in deregulated environment using interior point method
- [47] A. Maanavian (2008), Locational marginal price sensitivity analysis based on generation and demand in wholesale electricity market
- [48] K. Aflaki (2008), Price based unit commitment
- [49] M. Ladan (2008), Demand side bidding curves construction in electricity market
- [50] P. Rabbanifar (2008), Effect of demand elasticity on improvement of power market operation

- [51] A. Tanhaee (2008), Estimation and provision of maximum financial rights and dynamic testing of energy and FTR market
- [52] N. Ebrahimi (2008), Day ahead electricity price forecasting using wavelet-ARIMA model
- [53] H. Helmi (2008), Switch placement to improve reliability of radial distribution system
- [54] J. Mahjoub (2009), Sensitivity analysis of loading margin in power systems
- [55] A. Jafaarian (2009), Development of unbalance three phase load flow for distributed generation using PV and PQ models
- [56] N. Neyestani (2010), Optimizing Disco's utilization of distributed generation and interruptible loads for participating in power market
- [57] A. Zakariazadeh (2010), Simultaneous scheduling of energy and reserve in power market with stochastic optimization
- [58] H. Saboori (2010), Economic Assessment Methods for Transmission Network Expansion Planning in Competitive Environments
- [59] K. Baranji (2010), Transmission congestion management using pricing in simple auction electricity markets
- [60] F. Taghizadeh (2010), A model reference adaptive control for interruptible load management in electricity market
- [61] A. Behrouz (2010), Congestion alleviation in transmission systems with optimal transmission switching
- [62] M. Tourandaz (2010), A procurement market model for reactive power services considering system security
- [63] A. Pourbehi (2010), Optimum recloser placement to improve reliability of DG enhanced distribution networks
- [64] S. M. Barzegar (2010), Electric islanding detection using negative sequence voltage component and wavelet transform
- [65] A. Forouzanfar (2010), Simulation of undervoltage load shedding to prevent system collapse
- [66] V. Maleki (2010), Bidding wind energy in short term electricity market
- [67] M. Rezaeeian (2010), Microgrid operation management using multiobjective optimization techniques
- [68] M. Najafi (2010), Overvoltage reduction due to DG placement in distribution networks using reactive power control
- [69] K. Salarian (2011), Design of special protection system for angle stability based on load shedding
- [70] A. Abdi (2011), Design of a bi-level retail market model for distribution companies
- [71] M. Sedghi (2011), Simulating probabilistic load curtailment in power systems
- [72] H. Moghimi (2011), Effect of DG sources on economic operation of distribution companies using loss sensitivity factors
- [73] A. Habibi (2011), Probabilistic modeling effect of demand response programs considering controllable loads

## PUBLICATIONS

### (a) ISI and Peer Reviewed Journals

[1] **S. Jadid** and M. R. Rokni, *An Expert System to Improve Power System Contingency Analysis*, Journal of Electrical Power Systems Research, Vol. 40, Issue 1, January 1997, pp. 37-43.

(<http://www.sciencedirect.com/science/article/pii/S0378779696011303> )

[2] H. Monsef, A. M. Ranjbar and **S. Jadid**, *Fuzzy Rule-Based Expert System for Power System Fault Diagnosis*, IEE Proceedings-Generation, Transmission and Distribution, Vol. 144, No. 2, March 1997, pp. 186-192.

([http://ieeexplore.ieee.org/xpls/abs\\_all.jsp?arnumber=591217](http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=591217) )

[3] M. Parsa Mogaddam, M. K. Sheikh-El-Eslami and **S. Jadid**, *Power Market Long – Term Stability: A Hybrid MADM/GA Comprehensive Framework*, IEEE Transactions on Power Systems, Vol. 20, No. 4, November 2005, pp. 2107-2116.

([http://ieeexplore.ieee.org/xpls/abs\\_all.jsp?arnumber=1525142&tag=1](http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=1525142&tag=1) )

[4] F.Karbalai, **S. Jadid** and M. Kalantar, *A novel method for fast computation of saddle node bifurcation in power systems using an optimization technique*, Journal of Energy Conversion and Management, Vol. 47, Issue 5, March 2006, pp. 582-589.

(<http://www.sciencedirect.com/science/article/pii/S0196890405001329> )

[5] A. Badri, **S. Jadid**, M. Rashidinejad and M. Parsa Moghadam, *Optimal bidding Strategies in Oligopoly Markets Considering Bilateral Contracts and Transmission Constraints*, Journal of Electrical Power Systems Research, Vol. 78, Issue 6, June 2008, pp. 1089-1098.

(<http://www.sciencedirect.com/science/article/pii/S0378779607001903> )

[6] A. Kazemi, **S. Jadid** and H. Andami, *A Circuit based method for multiarea transmission networks loss allocation*, European Transactions on Electrical Power, Vol. 18, 2008, pp.753-766.

(<http://onlinelibrary.wiley.com/doi/10.1002/etep.225/abstract;jsessionid=EA453D4BF0AECD14C7CC26E66BF11F9F.d02t04> )

[7] A. Badri, **S. Jadid**, M. Parsa Moghadam and M. Rashidinejad, *Impact of generators' behaviors on Nash equilibrium considering transmission constraints*, European Transactions on Electrical Power, Vol. 19, Issue 6, September 2009, pp.765-777.

(<http://onlinelibrary.wiley.com/doi/10.1002/etep.254/abstract> )

[8] V. Vahidinasab, **S. Jadid** and A. Kazemi, *Day-ahead Price Forecasting in Restructured Power Systems Using Artificial Neural Networks*, Journal of Electrical Power Systems Research, Volume 78, Issue 8, August 2008, pp.1332-1342.

(<http://www.sciencedirect.com/science/article/pii/S0378779607002362> )

[9] V. Vahidinasab and **S. Jadid**, *Multiobjective environmental/techno-economic approach for strategic bidding in energy markets*, Journal of Applied Energy, Vol. 86, 2009, pp.496-504.

(<http://www.sciencedirect.com/science/article/pii/S0306261908002067> )

[10] A. Zangeneh, A. Kazemi, M. Hajatipour and **S. Jadid**, *A Lyapounov theory based UPFC Controller for Power Flow Control*, Internation Journal of Electrical Power and Energy Systems, Volume 31, Issues 7-8, September 2009, pp. 302-308.

(<http://www.sciencedirect.com/science/article/pii/S0142061509000350> )

[11] A. Zangeneh, **S. Jadid** and A. Rahimi Kian, *A hierarchical decision making model for the prioritization of distributed generation technologies: A case study for Iran*, Journal of Energy Policy, Vol. 37, September 2009, pp.5752-5763.

(<http://www.sciencedirect.com/science/article/pii/S0301421509006296> )

[12] A. Zangeneh, **S. Jadid** and A. Rahimi Kian, *Promotion strategy of clean technologies in distributed generation expansion planning*, Journal of Renewable Energy, Vol. 34, No.12, Dec. 2009, pp.2765-1773.

(<http://www.sciencedirect.com/science/article/pii/S0960148109002912> )

[13] A. Zakariazadeh, S. Jadid, *Simultaneous Clearing of Wind-Thermal Generation and Reserve Market with Interruptible Load Participation*, International Review of Electrical Engineering (I.R.E.E), Vol.4, No.6, Dec.2009, pp.1347-1356.



[14] A. Zangeneh, **S. Jadid** and A. Rahimi Kian, *Normal boundary intersection and benefit-cost ratio for distributed generation planning*, Journal of European Transactions on Electrical Power, Vol. 20, 2010, pp.97-113.

(<http://onlinelibrary.wiley.com/doi/10.1002/etep.291/abstract> )

[15] V. Vahidinasab and **S. Jadid**, *Bayesian neural network model to predict day-ahead electricity prices*, Journal of European Transactions on Electrical Power, Vol. 20, 2010, pp.231-246.

(<http://onlinelibrary.wiley.com/doi/10.1002/etep.316/abstract> )

[16] V. Vahidinasab and **S. Jadid**, *Joint Economic And Emission Dispatch In Energy Markets: A Multiobjective Mathematical Programming Approach*, Journal of Energy, Vol.35, No.3, March 2010, pp.1497-1504.

(<http://www.sciencedirect.com/science/article/pii/S0360544209005271> )

[17] A. Zangeneh, **S. Jadid** and A. Rahimi Kian, *Uncertainty based distributed generation expansion planning in electricity markets*, Journal of Electrical Engineering, Springer-Verlag, Vol. 91, No.7, March 2010, pp.369-382.

(<http://www.springerlink.com/content/g57877pjp5tk4575/> )

[18] V. Vahidinasab and **S. Jadid**, *Normal boundary intersection method for suppliers strategic bidding in electricity markets: An environmental/economic approach*, Journal of Energy Conversion and Management, Vol. 51, Issue 6, June 2010, pp.1111-1119.

(<http://www.sciencedirect.com/science/article/pii/S0196890409005251>)

[19] V. Vahidinasab and **S. Jadid**, *Stochastic multiobjective self-scheduling of a power producer in joint energy and reserves markets*, Journal of Electrical Power Systems Research, Vol.80, No.7, July 2010, pp.760-769.

(<http://www.sciencedirect.com/science/article/pii/S037877960900296X> )

[20] A. Zangeneh and **S. Jadid**, *Fuzzy multiobjective model for distributed generation expansion planning in uncertain environment*, Journal of European Transactions on Electrical Power, Vol.21, Issue 1, Jan 2011, pp.129-141.

(<http://onlinelibrary.wiley.com/doi/10.1002/etep.421/abstract> )

[21] A. Zangeneh, **S. Jadid** and A. Rahimi Kian, *A fuzzy environmental –technical-economic model for distributed generation expansion planning*, Journal of Energy, Vol.36, No.5, May 2011, pp.3437-3445.

(<http://www.sciencedirect.com/science/article/pii/S0360544211002167> )

[22] B. Alizadeh and **S. Jadid**, *Reliability constrained coordination of generation and transmission expansion planning in power systems using mixed integer programming*, IET Gener. Transm. Distrib., Vol. 5, Issue 9, 2011, pp. 948–960.

(<http://digital-library.theiet.org/content/journals/10.1049/iet-gtd.2011.0122> )

[23] H.Nasiraghdam and **S. Jadid**, *Optimal hybrid PV/WT/FC sizing and distribution system reconfiguration using multi-objective artificial bee colony (MOABC) algorithm*, Journal of Solar Energy, Vol.86, No.10, October 2012, pp.3057-3071.

(<http://www.sciencedirect.com/science/article/pii/S0038092X12002769> )

[24] M.Esmaili, F.Ebadi, H.A.Shayanfar and **S. Jadid**, *Congestion management in hybrid power markets using modified Benders decomposition*, Journal of Applied Energy, Vol.102, February 2013, pp.1004-1012.

(<http://www.sciencedirect.com/science/article/pii/S030626191200462X> )

[25] **S. Jadid** and P. Rabbanifar, *Stochastic multi-objective frequency control in joint energy and reserve markets considering power system security*, IET Gener. Transm. Distrib., Vol. 7, Issue 1, 2013, pp. 76–89.

(<http://digital-library.theiet.org/content/journals/10.1049/iet-gtd.2011.0842> )

[26] B. Alizadeh, S. Dehghan, N. Amjady, **S. Jadid** and A. Kazemi, *Robust transmission system expansion considering planning uncertainties*, IET Gener. Transm. Distrib., Vol.7, Issue 11, 2013, pp.1318-1331.

(<http://digital-library.theiet.org/content/journals/10.1049/iet-gtd.2012.0137;jsessionid=1f6lcfpotma2o.x-iet-live-01>)

[27] O. Homaei, A. Zakariazadeh and **S. Jadid**, *Real-time voltage control algorithm with switched capacitors in smart distribution system in presence of renewable generations*, Electrical Power and Energy Systems, Vol. 54, Issue 1, January 2014, pp. 187–197.

( <http://www.sciencedirect.com/science/article/pii/S0142061513003074> )

[28] **S. Jadid** and P. Rabbanifar, *Stochastic multi-objective security-constrained market-clearing considering static frequency of power system*, Electrical Power and Energy Systems, Vol. 54, Issue 1, January 2014, pp. 465–480.

(<http://www.sciencedirect.com/science/article/pii/S0142061513003116>)

[29] H. Falsafi, A. Zakariazadeh and **S. Jadid**, *The role of demand response in single and multi-objective wind-thermal generation scheduling: A stochastic programming*, Journal of Energy, Vol.64, Issue 1, January 2014, pp.853-867.

(<http://www.sciencedirect.com/science/article/pii/S0360544213008864> )

[30] A. Zakariazadeh and **S. Jadid**, *Smart microgrid operational planning considering multiple demand response programs*, Journal of Renewable and Sustainable Energy, Vol. 6, Issue 1, January 2014.

(<http://scitation.aip.org/content/aip/journal/jrse/6/1/10.1063/1.4865576> )

[31] M. Honarmand, A. Zakariazadeh and **S. Jadid**, *Optimal scheduling of electric vehicles in an intelligent parking lot considering vehicle-to-grid concept and battery condition*, Journal of Energy, Vol.65, February 2014, pp.572-579.

(<http://www.sciencedirect.com/science/article/pii/S0360544213010153>)

[32] A. Zakariazadeh, **S. Jadid** and P. Siano, *Economic-environmental energy and reserve scheduling of smart distribution systems: A multiobjective mathematical programming approach*, Journal of Energy Conversion and Management, Vol. 78, February 2014, pp. 151–164.

(<http://www.sciencedirect.com/science/article/pii/S0196890413006869>)

[33] A. Zakariazadeh, O. Homaei, **S. Jadid** and P. Siano, *A new approach for real time voltage control using demand response in an automated distribution system*, Journal of Applied Energy, Vol.117, March 2014, pp.157-166.

(<http://www.sciencedirect.com/science/article/pii/S0306261913009884>)

[34] A. Zakariazadeh, **S. Jadid** and P. Siano, *Multi-objective scheduling of electric vehicles in smart distribution system*, Journal of Energy Conversion and Management, Vol.79, March 2014, pp.43-53.

( <http://www.sciencedirect.com/science/article/pii/S0196890413007632> )

[35] O. Homaei, A. Zakariazadeh and **S. Jadid**, *Real time voltage control using emergency demand response in distribution system by integrating advanced metering infrastructure*, Journal of Renewable and Sustainable Energy, Vol. 6, Issue 3, May 2014.

(<http://scitation.aip.org/content/aip/journal/jrse/6/3/10.1063/1.4885177> )

[36] A. Zakariazadeh, **S. Jadid** and P. Siano, *Stochastic multi-objective operational planning of smart distribution systems considering demand response programs*, Journal of Electric Power Systems Research ,Vol. 111, June 2014, pp.156–168.

(<http://www.sciencedirect.com/science/article/pii/S0378779614000662>)

[37] M. Khojasteh and **S. Jadid**, *Optimal risk-based strategy of distributed generation-owning retailer in the day-ahead electric market: Chance constraint optimization approach*, Journal of Renewable and Sustainable Energy, Vol. 6, Issue 5, September 2014.

(<http://scitation.aip.org/content/aip/journal/jrse/6/5/10.1063/1.4896786> )

[38] M. Honarmand, A. Zakariazadeh and **S. Jadid**, *Integrated scheduling of renewable generation and electric vehicles parking lot in a smart microgrid*, Journal of Energy Conversion and Management, Vol. 86, October 2014, pp.745–755.

(<http://www.sciencedirect.com/science/article/pii/S019689041400569X> )

[39] M. Mazidi, A. Zakariazadeh, **S. Jadid** and P. Siano, *Integrated scheduling of renewable generation and demand response programs in a microgrid*, Journal of Energy Conversion and Management, Vol. 86, October 2014, pp.1118–1127.

(<http://www.sciencedirect.com/science/article/pii/S0196890414006037> )

[40] O. Homaei and **S. Jadid**, *Investigation of synchronous generator in reactive power market – an accurate view*, IET Gener. Transm. Distrib., Vol.8, Issue 11, November 2014, pp.1881-1890.

(<http://digital-library.theiet.org/content/journals/10.1049/iet-gtd.2013.0901> )

[41] A. Zakariazadeh, **S. Jadid** and P. Siano, *Stochastic operational scheduling of smart distribution system considering wind generation and demand response programs*, Electrical Power and Energy Systems, Vol. 63, December 2014, pp. 218–225.

(<http://www.sciencedirect.com/science/article/pii/S0142061514003330> )

[42] A. Zakariazadeh, **S. Jadid** and P. Siano, *Smart microgrid energy and reserve scheduling with demand response using stochastic optimization*, Electrical Power and Energy Systems, Vol. 63, December 2014, pp. 523–533.

(<http://www.sciencedirect.com/science/article/pii/S014206151400386X> )

[43] P. Rabbanifar and **S. Jadid**, Stochastic multi-objective tie-line power flow and frequency control in market clearing of multi-area electricity markets considering power system security, IET Gener. Transm. Distrib., Vol.8, Issue 12 , December 2014 , pp.1960-1978.

(<http://digital-library.theiet.org/content/journals/10.1049/iet-gtd.2013.0866> )

[44] B. Alizadeh and **S. Jadid**, Uncertainty handling in power system expansion planning under a robust multi-objective framework, IET Gener. Transm. Distrib., Vol.8, Issue 12 , December 2014 , pp.2012-2026.

(<http://digital-library.theiet.org/content/journals/10.1049/iet-gtd.2013.0674> )

[45] A. Zakariazadeh, **S. Jadid** and P. Siano, *Integrated operation of electric vehicles and renewable generation in a smart distribution system*, Journal of Energy Conversion and Management, Vol. 89, Issue 1, January 2015, pp.99–110.

(<http://www.sciencedirect.com/science/article/pii/S0196890414008632> )

[46] M. Honarmand, A. Zakariazadeh and **S. Jadid**, *Self-scheduling of electric vehicles in an intelligent parking lot using stochastic optimization*, Journal of The Franklin Institute, Vol.352, Issue 2, February 2015, pp. 449-467.

(<http://www.sciencedirect.com/science/article/pii/S0016003214000349>)

[47] B. Alizadeh and **S. Jadid**, *A dynamic model for coordination of generation and transmission expansion planning in power systems*, Electrical Power and Energy Systems, Vol. 65, February 2015, pp. 408–418.

(<http://www.sciencedirect.com/science/article/pii/S0142061514006103> )

[48] F. Brahman, M. Honarmand and **S. Jadid**, *Optimal electrical and thermal energy management of a residential energy hub, integrating demand response and energy storage system*, Journal of Energy and Buildings, Vol. 90, Issue 1, March 2015, pp.65–75.

( <http://www.sciencedirect.com/science/article/pii/S0378778814011128> )

[49] E. Shirazi and S. Jadid, *Optimal residential appliance scheduling under dynamic pricing scheme via HEMDAS*, Journal of Energy and Buildings, Vol. 93, Issue 2, April 2015, pp.40–49.

(<http://www.sciencedirect.com/science/article/pii/S0378778815000870> )

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