Biography (CV) and Publications

Hassan Bevrani

Professor

Permanent address:
Dept. of Electrical and Computer Electrical Engineering
University of Kurdistan
Kurdistan, Sanandaj, PO Box 416, Iran
Phone: +98-918-8708246
Fax: +98-87-33660073
E-mail: bevrani@ieee.org , bevrani@uok.ac.ir
URL: http://eng.uok.ac.ir/bevrani/

Profile

Qualifications, Career History and Biography, Professional Memberships, and Awards

Qualifications

1991 BEg	**Electrical Engineering-Electronic** (Ferdowsi University, Mashhad, IRAN)
1997 MSc (Hon)	**Electrical Engineering-Control** (K. N. Toosi university of technology, Tehran, IRAN)
2002	**Intensive Japanese Language Program (IJLP),** (Int. Student Center-ISC, Osaka University, Osaka, JAPAN)
2004 PhD	**Electrical Engineering** (Osaka University, Osaka, JAPAN)

Career History and Biography

1991-1993	**Research Eng.** in Lawizan Electronic and Communication Research Center, Tehran, Iran
1996-1998	**Chair** in Technical Committee of Area Operating Center (WAOC), West Regional Electric Co., Kermanshah, Iran
1998-2001	**Chair** in Research and Standard Office, West Regional Electric Co., Kermanshah, Iran
2001-2002	**Lecturer** at University of Kurdistan, Sanandaj, Iran
2004-2006	**Post-Doctoral Fellow** (JSPS PostDoc) and Lecturer at Kumamoto University, Kumamoto, Japan
2007-2008	**Senior Research Fellow** at Queensland University of Technology, Brisbane, Australia
2009-2010	**Professor** at Kumamoto University, Kumamoto, Japan
2011/7-2011/9	**Visiting Professor** at Kyushu Institute of Technology, Kitakyushu, Japan
2012/8-2012/9	**Visiting Professor** at Osaka University, Osaka, Japan
2013/7-2013/8	**Visiting Professor** at Kyushu Institute of Technology, Kitakyushu, Japan
2014/3-2014/4	**Visiting Professor** at Ecole Centrale de Lille, Lille, France

2011/5-...	**Professor** at University of Kurdistan, Kurdistan, Iran
2015/8-2015/9	**Visiting Professor** at Osaka University, Osaka, Japan
2015/12-2016/1	**Visiting Professor** at Ecole Centrale de Lille, Lille, France

Professional and Group Associations

IEEE Senior Member, IET Member, IEEJ Member, IAEEE Member

Professional Recognition and Awards

- Awarded M. Sc Scholarship from Power Ministry of Iran, 1994.
- Awarded PhD Scholarship from Japan's Ministry of Education and Technology (Monbukagakusho), 2002.
- Awarded Postdoctoral fellowship from Japan Society for the Promotion of Science (JSPS), 2004.
- Shortening the period of PhD study to 2 years (2002-2004), as an award from Dept. of Electrical, Electronics and Information Eng., Osaka University, Japan.
- Awarded Research fellowship from Queensland University of Technology, Australia, 2007.
- Awarded professor position, Kumamoto University, Japan, 2009.
- Awarded Best Professor in Teaching, Dept. of Electrical Eng., University of Kurdistan, Iran (2006, 2012-14).
- Awarded Best Faculty Professor in Research, Faculty of Engineering, University of Kurdistan, Iran (2008, 2011, 2014).
- Awarded Visiting Professorship in abroad universities (2011-2016).

Research Areas

Power System Stability and Control: Frequency Control, Automatic Generation Control, Wide Area Measurement Systems, Oscillation dynamics Analysis, Online Tuning, Microgrid Control

Artificial Intelligence, Robust, and Nonlinear Control: Theory and Applications

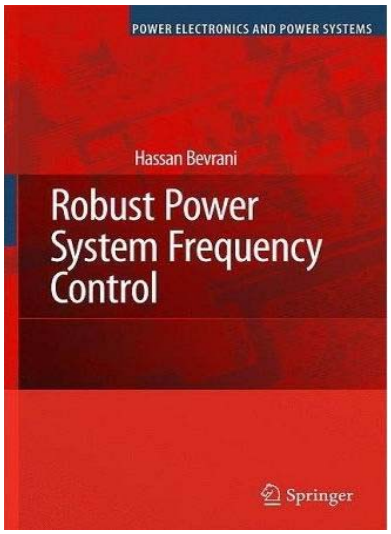
Power Electronic Systems: Modeling, Control and Stability Analysis

Teaching Areas

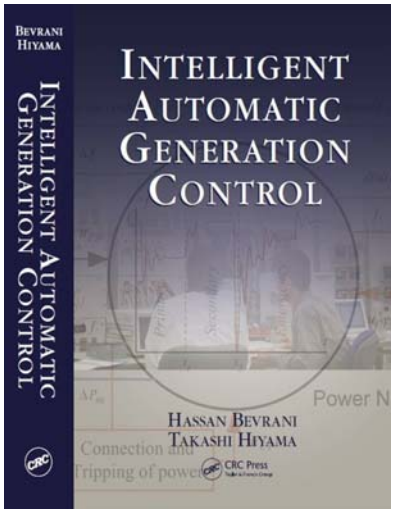
- **Linear Control Systems**, **Modern Control Systems**, **Robust Control**, **Power Electronics**
- **Microelectronic Circuits**, **Electric Circuits**, **Pulse Techniques**, **Induction Motors**
- **Motion Control**, **Robust Control Theory**, **Robust Control Application in Power systems**
- **Fuzzy Systems and Control**, **Automatic Generation Control**
- **Electric energy and Environment**, **Advanced Power System Frontier I and II**
- **Intelligent Control in Power Systems**, **Artificial Neural networks**, **Smart Grids**
- **Micro Grids**, **English for Electrical Engineers**, **Power System Dynamics and Control**

Publications

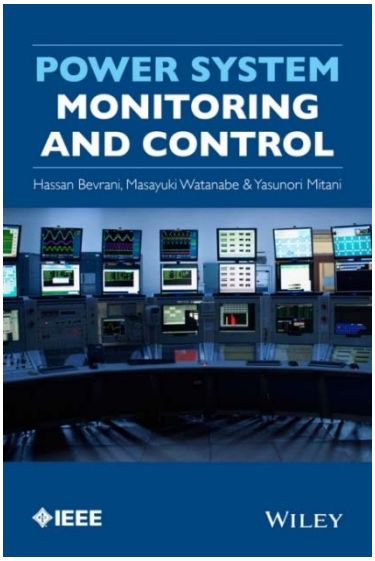
Books



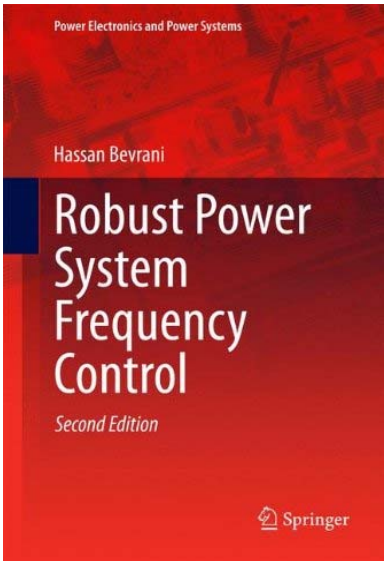
[1] Bevrani, H (March 2009) ***Robust Power System Frequency Control***, Springer, New York, USA.



[2] Bevrani H, Hiyama T (April 2011) ***Intelligent Automatic Generation Control***, CRC Press (Taylor & Francis Group), New York, USA.



[3] Bevrani H, Watanabe M, Mitani Y (July 2014) ***Power System Monitoring and Control***, IEEE-Wiley Press, New York, USA.



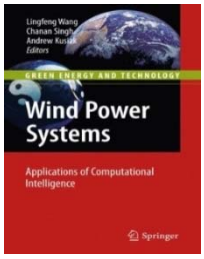
[4] Bevrani, H (July 2014) ***Robust Power System Frequency Control***, 2nd edition, Springer, Switzerland.

[5] Bevrani H, Francois B, Ise T (2016) ***Microgrid Control***, In Press, IEEE-Wiley Press, New York, USA.

Book Chapters

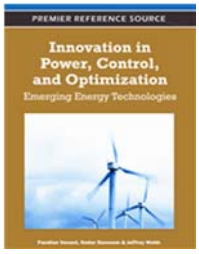
[1] **Bevrani H**, Tikdari A. G (2010) **An ANN-based Power System Emergency Control Scheme in the Presence of High Wind Power Penetration**. in *Wind Power Systems: Applications of Computational Intelligence*, pp. 215-254, L. F. Wang, C. Singh, and A. Kusiak (Eds), Springer Book Series on Green Energy and Technology, Springer-Verlag, Heidelberg.

[2] **Bevrani H**, Daneshfar F, Daneshmand P. R (2010) **Intelligent Power System Emergency Regulation Concerning the Integration of Wind Power Units**. in *Wind Power Systems: Applications of Computational Intelligence*, pp. 407-437, L. F. Wang, C. Singh, and A. Kusiak (Eds), Springer Book Series on Green Energy and Technology, Springer-Verlag, Heidelberg.

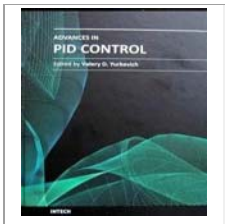


[3] Saleh M. and **Bevrani H** (2011) **Dynamic analysis and stability improvement concerning the integration of wind Farms: Kurdistan electric network case study**. In *Innovation in Power, Control and Optimization: Emerging Energy Technologies*. P. Vasant, N. Barsoum and J. Webb (Eds), Chapter 6, pp.198-219, IGI Global; 2011.

[4] Tikdari A. G. **Bevrani H**, and Ledwich G (2011) **A descriptive Approach for Power System Stability and Security Assessment**. In *Innovation in Power, Control and Optimization: Emerging Energy Technologies*. P. Vasant, N. Barsoum and J. Webb (Eds), Chapter 10, pp. 293-314, IGI Global; August 2011.

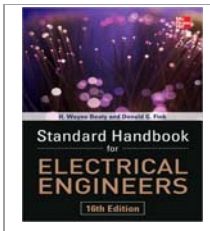


[5] **Bevrani H**, and Bevrani H (2011) **PID tuning: robust and intelligent multi-objective approaches**. In Advances in *PID Control*. Valery D. Yurkevich (Ed), Chapter 9, pp. 167-186, Intech Publisher.

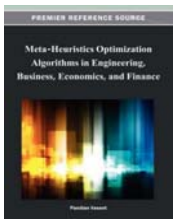


[6] **Bevrani H** (2012) **Automatic generation control**. In *Standard Handbook for Electrical engineers*, 16th Edition. H. Wayne Beaty (Ed), Section 16.8, pp. 139-160, McGraw-Hill, USA.

[7] **Bevrani H** (2012) **Microgrid controls**. In *Standard handbook for Electrical engineers*, 16th Edition. H. Wayne Beaty (Ed), Section 16.9, pp. 160-176, McGraw-Hill, USA.



[8] **Bevrani H**, Habibi F, Shokoohi S (2013) **ANN-based self-tuning frequency control design for an isolated microgrid**. *Meta-Heuristics Optimization Algorithms in Engineering, Business, Economics, and Finance*. P. Vasant (Ed), Chapter 12, pp. 357-385, IGI Global, USA.



[9] Babahajyai P, Habibi F, **Bevrani H** (2014) **An on-line PSO-based fuzzy logic tuning approach: Microgrid frequency control case study**. *Handbook of Research on Novel Soft Computing Intelligent Algorithms: theory and Practical Applications*. P. Vasant (Ed), Chapter 20, pp. 589-616, IGI Global, USA.

[10] Liu Q, **Bevrani H**, Mitani Y (Expected 2016) **An enhanced WAMS-based power system oscillation analysis approach**. *Dynamic Vulnerability Assessment and Intelligent Control for Sustainable Power Systems*. J. R. Torres, F. G. Longatt (Eds), Chapter 7, IEEE-Wiley, USA.

Papers, Keynote / invited speeches, and Technical reports

2016

[200] Bevrani H, Feizi M.R, Ataee S (2016) Robust frequency control in an islanded microgrid: Hinf and Mu synthesis approaches. *IEEE Transaction on Smart Grids*, DOI: 10.1109/TSG.2015.2446984.

[199] Babahajiani P, Bevrani H, Shafiee Q (2016) Intelligent Demand Response Contribution in Frequency Control of Multi-area Power Systems. To be appeared in *IEEE Transaction on Smart Grids*.

[198] Liu J, Miura Y, Bevrani H, Ise T (2016) Enhanced virtual synchronous generator control for parallel inverters in microgrids. Accepted to publish in *IEEE Transaction on Smart Grids*.

[197] Bevrani H (2016) Power grids frequency stability and control: New challenges and solutions. Keynote speech, *Int. Conf. on Power and Energy systems Engineering-CPESE 2016,* Kitakyushu, Sept. 8-10, Japan.

[196] Bevrani H (2016) Engineering education system in Japan: observations in study, teaching and research. *Journal of Dohuk University.*

[195] Bevrani H (2016) Frequency control in modern power grids, Submitted to IEEE Power & Energy Magazine.

[194] Xingyu Y, Abbes D, Bevrani H, Francois B(2016) Day-ahead optimal and reserve power dispatching in PV based urban microgrid. To be presented in 18th European Conf on Power Electronics and Applications-EPE'16 ECCE, Karlsruhe, Germany, 5-9 Sept. 2016.

2015

[193] Bevrani H (2015) New trends in Microgrids control. Keynote speech, *Int. Conf. on Power and Energy systems Engineering-CPESE 2015,* Kitakyushu, Sept. 8-10, Japan.

[192] Bevrani, H. (2015) Intelligent Technologies in smart electric grids, Keynote speech, 2nd international Scientific Conf-University of Human Development (UHD Comp15), Sulaimaniyah, Iraq.

[191] Bevrani H (2015) New trends in power system frequency control. Invited speech by IEEJ and TAOYAKA, *Hiroshima University,* Hiroshima, August 18, Japan.

[190] Bevrani H (2015) Frequency stability and control in modern power systems. Invited speech by Nagoya University and EcoTopia Science Institute, *Nagoya*, August 5, Japan.

[189] Bevrani, H. (2015) Monitoring and control in future smart networks, Keynote speech, National Conference of Technology, Energy, and Data on Electrical and Computer Engineering, Kermanshah, Iran.

[188] Bevrani H (2015) Robust control application in modern power systems. Invited speech by Ise Laboratory and Kawasaki Heavy Industry, *Osaka University*, August 21, Japan.

[187] R. Khezri, H. Bevrani, (2015) Voltage Performance Enhancement of DFIG-Based Wind Farms Integrated in Large-Scale Power Systems: Coordinated AVR and PSS. *International Journal of Electrical Power and Energy Systems*, 73: 400-410.

[186] Ataee, S., Khezri, R., Feizi M. R., and Bevrani H. (2015) Impacts of Wind and Conventional Power Coordination on the Short-Term Frequency Performance, selected as the best paper, 23rd Iranian Conf. on Electrical Engineering ICEE, Tehran, Iran.

[185] Jami M, Bevrani H (2015) ANN-based speed control of separately excited DC motor (in Persian) National Conf. of Technology, Energy, and Data on Electrical and Computer Eng., Kermanshah, Iran.

[184] Ahmadi S, Shokoohi S, Bevrani H (2015) A fuzzy logic-based droop control for simultaneous voltage and frequency regulation in an AC microgrid. *International Journal of Electrical Power and Energy Systems*, 64: 148-155.

[183] Shokoohi S, Esmaeili S, Bevrani H (2015) Robust and optimal RF amplifier control loop design (in Persian) National Conf. of Technology, Energy, and Data on Electrical and Computer Eng., Kermanshah, Iran.

[182] R. Khezri, H. Bevrani, (2015) Stability Enhancement in Multi-Machine Power Systems by Fuzzy-based Coordinated AVR-PSS, International Journal of Energy Optimization and Engineering, 4(2): 36-50.

[181] Bevrani H, Ise T, Miura Y (2015) Virtual Synchronous Generators: A Survey and New Perspectives. *International Journal of Electrical Power and Energy Systems* (*IJEPES*), 54: 244-254.

[180] Bevrani H (2015) Research in developed countries: Lessens and challenges. Invited speech in Annual Research Meeting in Kurdistan state, *Sanandaj*, December 5, Iran.

[179] Fathi, M., Bevrani, H. (2015) Wireless networking of smart meters in next generation power systems, selected as the best paper, 2nd international Scientific Conf-University of Human Development (UHD Comp15), Sulaimaniyah, Iraq.

[178] Jami M, Bahramara S, Bevrani H (2015) Technical and economic assessment of hybrid energy system in a rural region (in Persian) National Conf. of Technology, Energy, and Data on Electrical and Computer Eng., Kermanshah, Iran.

[177] Feizi MR, Babahajiani P, Bevrani H (2015) Fuzzy-PI-based supervising frequency control design in a stand-alone ac microgrid. *Engineering Intelligent Systems*.

[176] Tikdari, G., Rashidi Nejad, M., Bevrani, H., Montazeri, M. (2015) Locational load shedding marginal pricing, 23rd Iranian Conf. on Electrical Engineering ICEE, Tehran, Iran.

[175] Khezri, R., Bevrani, H., (2015) AVR and PSS Coordinated Based Fuzzy Approach for Transient Stability Enhancement, 23rd Iranian Conf. on Electrical Engineering ICEE, Tehran, Iran.

[174] Ahmadi, S., S. Shokoohi, Bevrani, H., E. Hasanii, (2015) An improved droop control for simultaneous voltage and frequency regulation in an AC microgrid using fuzzy logic, 23rd Iranian Conf. on Electrical Engineering ICEE, Tehran, Iran.

[173] O. Sarchami, H. Bevrani, (2015) Online Voltage-Frequency Measurement Based Micro-Grid Emergency Control, selected as the best paper, National Conference of Technology, Energy, and Data on Electrical and Computer Engineering, Kermanshah, Iran.

[172] R. Homayonnejad, H. Bevrani, O. Jafari, (2015) A Firefly Algorithm-Based Load-Frequency Control Design Concerning the Integration of Renewable Energy Sources, National Conference of Technology, Energy, and Data on Electrical and Computer Engineering, Kermanshah, Iran.

[171] S. Mohammadi, H. Bevrani, J. Moshtagh **,** S. Bahramara, (2015) Techno-economical evaluation of stand-alone hybrid renewable energy systems for urban area in Sanandaj (Iran). National Conference of Technology, Energy, and Data on Electrical and Computer Engineering, Kermanshah, Iran.

2014

[170] Golpira H, Bevrani H (2014) A framework for economic load frequency control design using modified multi-objective genetic algorithm. *Electric Power Components and Systems*, 42(8): 788-797, 2014.

[169] Bevrani H (2014) Frequency Stability and Control in Modern Power Grids, Invited speech by *Iran Academy of Sciences*, Tehran, Dec. 6, 2014.

[168] Bevrani H (2014) Engineering education system in Japan: observations in study, teaching and research. *Journal of Dohuk University*, 2014.

[167] Shokoohi S, Bevrani H, Moshtagh J, Ahmadi S (2014) Transient stability enhancement in microgrids including inverter interfaced distributed generation. *Journal of Iranian Association of Electrical and Electronics Engineers (JIAEEE)*, 2014.

[166] Naghshbandi AH, Habibi F, Bevrani H (2014) Design of a robust controller for microgrid voltage stability in different operation states (in Persian). *Journal of Iranian Association of Electrical and Electronics Engineers (JIAEEE)*, 2014.

[165] Bevrani H (2014) Robust frequency control: fundamentals and new perspectives. *Spring Workshop, Ecole Centrale de Lille*, France, April 2014.

[164] Bevrani H (2014) Intelligent data acquisition and control in wide power grids. *Keynote speech, Regional Conference on Wireless Communication Optimization*, Azad University, Sagez, Iran, Oct. 2014.

[163] Bevrani H (2014) Successful research and research ethics. *UOK IEEE Workshop*, University of Kurdistan, Iran, 2014.

[162] Bevrani H (2014) A new direction in power system control. *Invited speech in New Horizons in Electrical Power Grids*, University of Kurdistan, Iran, 2014.

[161] R. Khezri, H. Bevrani, (2014) Fuzzy-based coordinated control design for AVR and PSS in multi-machine power systems, 13th Iranian Conf. on Fuzzy Systems (IFSC), Tehran, Iran

[160] Shokoohi S, Sabori F, Bevrani, H. (2014) Secondary voltage and frequency control in islanded microgrids: online ANN tuning approach, Smart grid conference, Tehran, Iran.

[159] S. Ataee, R. Khezri, M. R. Feizi, Bevrani, H. (2014) Investigating the impacts of wind power contribution on the short-term frequency performance, Smart grid conference, Tehran, Iran.

[158] Bevrani H (2014) On future of robust control in smart grids, Invited paper, Smart Grid Conference, Tehran, Iran.

2013

[157] Bevrani H (2013) On Future Smart Grids operation and Control, Invited Speaker, Smart Grid Design and Technologies on the Electric Power Distribution System, Fukuoka institute of Technology, Fukuoka, July 29, Japan, 2013.

[156] Bevrani H (2013) Renewable Energy Options in Modern Power Grids: A Dynamic Challenge, *Invited Speaker in* 4th Conference on Renewable Energy Approaches for Desert (GCREEDER), Jordan.

[155] Bevrani H (2013) Technical Paper: Research, Writing and Submission, *Invited Speech in* Mitani-Watanabe Meeting, Kyushu Institute of Technology, 2013.

[154] Bevrani H (2013) Control challenges in future power grids, Keynote speech, Smart Grid Conf., Tehran.

[153] Bevrani H (2013) Smart Technologies in Power Grids monitoring and operation. Key note speech, 18th Electric Power Distribution Conference Iran, Kermanshah, April 30, Iran.

[152] Bevrani H, and Shokoohi S (2013) An Intelligent Droop Control for Simultaneous Voltage and Frequency Regulation in Islanded Microgrids. IEEE Transactions on Smart Grid.

[151] Fathi M, and Bevrani H (2013) Adaptive Energy Consumption Scheduling for Connected Microgrids Under Demand Uncertainty. IEEE Transactions on Power Delivery.

[150] Bevrani H (2013) Frequency control in Modern Power Grids: Challenges and New Perspectives**,** Web-based lecture**;** Kumamoto university and Kyushu Power co., 14:00-16:00 (Japan time), July 3.

[149] Bevrani H (2013) Toward Smart Grids: New Research Directions on Control issues**,** Invited Tutorial**,** University of Tehran and Iranian Society of Smart Grid, Univ. of Tehran, 10:00-13:00, May 16, Iran.

[148] Bevrani H. Intelligent technologies in Japan power grid. Key note speech, Iranian Society of Smart Grid, Sharif University of Technology, Tehran, Feb. 14, 2013.

[147] Fathi M, and Bevrani H (2013) Statistical Cooperative Power Dispatching in Interconnected Microgrids. IEEE Transactions on Sustainable Energy, No. 99, pp. 1-8.

[146] Habibi H, Naghshbandy A.H, and Bevrani H (2013) Robust voltage controller design for an isolated Microgrid using Kharitonov's theorem and D-stability concept. *International Journal of Electrical Power and Energy Systems* (*IJEPES*), vol. 44, pp. 656-665.

[145] Bevrani H, Gholami M, Hajimohammadi N (2013) Microgrid emergency control and protection: Key issues and new perspectives, *Int. Journal of Energy optimization and Engineering*, 2(1), pp. 78-100.

[144] Habibi F, Bevrani H (2013) Application of ANN in intelligent frequency controller design for an islanded microgrid. *Iranian Journal of Electrical & Electronic Engineering* (in Persian).

[143] Hajimohammadi N, Bevrani H (2013) Load shedding in Microgrids. *21th Iranian Conf. on Electrical Engineering ICEE-2013*, Mashad, Iran.

[142] Laleh, M S, Ahmadi S, Bevrani H (2013) PI parameter tuning for frequency/voltage controller in a Microgrid using fuzzy logic. *21th Iranian Conf. on Electrical Engineering ICEE-2013* (in Persian), Mashad, Iran.

[141] Hajimohammadi N, Bevrani H (2013) On load shedding design in Microgrids. *18th Electric Power Distribution Conference, Iran*, Kermanshah, April 30-May 1, Iran.

[140] Laleh, M S, Ahmadi S, Bevrani H (2013) Fuzzy logic application in PI control design for frequency/voltage controller in Microgrids. *18th Electric Power Distribution Conference Iran* (in Persian), Kermanshah, April 30-May 1, Iran.

[139] Attai S, Feizi MR, Bevrani H (2013) Optimal operation in a connected microgrid. *2013 Smart Grid Conference* (in Persian), Tehran, Iran.

[138] Waseei H, Bevrani H (2013) Automatic generation control in interconnected power system with TCPS using fuzzy logic. *5th Iranian National Conference on Electronics and Electrical Eng.* (in Persian), Azad University, Gonabad, Iran.

[137] Sabori F, Shokoohi S, Bevrani H (2013) Design of a GA-based hierarchical controller for stabilizing the microgrids (in Persian). 3rd National Conf. on Fuel, Energy and Environment (NCFEE2013), Tehran, Iran.

2012

[136] Bevrani H (2012) Frequency Control in Microgrids: Achievements and New Perspectives. Annual Meeting of ISE Lab (Osaka Univ.) and Kwasaki Heavy Industry, Osaka University, September 2012.

[135] Shokoohi S, Bevrani H, Naghshbandi A H (2012) Application of Neuro-Fuzzy Controller on Voltage and Frequency Stability in Islanded Microgrids. *Conf. on Smart Electric Grids Technology (SEGT2012)*, pp. 62-67, 18-19 Dec. 2012, Tehran, Iran.

[134] Sohrabi S, Bevrani H (2012) Cognitive Architectures in Man and Machine: Implications for learning and Education. *First Engineering Education Conference*, University of Duhok, Iraq.

[133] Naghshbandi A H, Shokoohi S, Bevrani H (2011) Application of Neuro-Fuzzy Controller on Voltage and Frequency Stability in Islanded Microgrids. *Journal of Electrical Eng.*, 41(2), pp. 41-49, University of Tabriz.

[132] Fathi M, and Bevrani H (2012) Adaptive Price-based Power Flow in next Generation Electric Power Systems. in *International Symposium on Smart Grid Operation and Control* (ISSGOC 2012), Sanandaj, Iran.

[131] Bevrani H, and Ise T. (2012) Virtual Synchronous Generators: A Survey and New Perspectives. *Technical report*, Osaka University, Osaka, Japan.

[130] Babahajyani P, Habibi F, and Bevrani H (2012) An On-Line PSO-based Fuzzy Logic Tuning Approach: Microgrid Frequency Control Case Study. in *International Symposium on Smart Grid Operation and Control* (ISSGOC 2012).

[129] Habibi F, Shokoohi S, and Bevrani H (2012) Designing a Self-Tuning Frequency Controller Using ANN for an Isolated Microgrid. in *International Symposium on Smart Grid Operation and Control* (ISSGOC 2012).

[128] Shokoohi S, Bevrani H (2012) PSO based Droop Control of Inverter Interfaced Distributed Generations. *Conf. on Smart Electric Grids Technology (SEGT2012)*, pp. 77-82, 18-19 Dec. 2012, Tehran, Iran.

[127] T.H. Mohamed, J. Morel, H. Bevrani, A.A Hassan, T. Hiyama (2012) Model predictive based load frequency control design concerning wind turbines. *International Journal of Electrical Power and Energy Systems*, 43(1), pp. 859-867.

[126] Bevrani H, Habibi F, Babahajyani P, Watanabe M, Mitani Y (2012) Intelligent frequency control in an AC Microgrid: On-line PSO-based fuzzy tuning approach. *IEEE Transaction on Smart Grids*, no. 99, pp. 1-10, 2012.

[125] Bevrani H, P. R. Daneshmand (2012) Fuzzy logic-based load-frequency control concerning high penetration of wind turbines. *IEEE Systems Journal.* 6(1), pp. 173-180.

[124] Bevrani H, Daneshfar F, Hiyama T (2012) A new intelligent agent-based AGC design with real-time application. *IEEE Transaction on Systems, Man, and Cybernetics, Part C*, 99, pp. 1-9.

[123] T.H. Mohamed, J. Morel, H. Bevrani, A.A Hassan, Y. S Mohamed, T. Hiyama (2012) Decentralized model predictive-based load-frequency control in an interconnected power system concerning wind turbines . *IEEJ Transactions on Electrical and Electronic Engineering,* vol. 7, pp. 487-494.

[122] Golpira H, Bevrani H, Naghshbandi A-H (2012) An Approach for Coordinated AVR-PSS Design in Large Scale Interconnected Power Systems Considering Wind Power Penetration, *IET Generation, Transmission, and Distribution*, 6(1), pp. 39-49.

[121] Bevrani H, Mitani Y, and M. Watanabe (2012) Micro/Smart Electric Grids Control. *Technical report*, University of Kurdistan, Sanandaj, Iran, June 2012.

[120] Daneshfar F, Bevrani H (2012) An optimization method for LFC design in restructured power systems. *20th Iranian Conf. on Electrical Engineering ICEE-2012*, Tehran, Iran.

[119] Daneshfar F, Bevrani H (2012) A new intelligent LFC design in a deregulated environment. *20th Iranian Conf. on Electrical Engineering ICEE-2012*, Tehran, Iran.

[118] Golpira H, Bevrani H, Naghshbandi A H (2012) A new method to enhance of small signal and voltage stability in power systems (in Persian). *20th Iranian Conf. on Electrical Engineering ICEE-2012*, Tehran, Iran.

[117] Naghshbandi A H, Habibi f, Bevrani H (2012) Robust voltage controller design for an islanded microgrid using Kharitonov theorem (in Persian). *20th Iranian Conf. on Electrical Engineering ICEE-2012*, Tehran, Iran.

[116] Habibi F, Bevrani H (2012) An ANN based intelligent frequency design for an islanded microgrid (in Persian). *2nd Iranian Conf. on Smart Grid-ICSG 2012*, Tehran, Iran.

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