

## **List of Most Recent IEEE Conference Publications**

- 1) A. Rahimi, A. Cloninger, M. Zarghami, M. Vaziri, “Investigation on Volt-Var Control using CVR at Various Photovoltaic Penetration Levels” *Proceedings of the IEEE North American Power Symposium (NAPS) Conference - September 07-09, 2014*, Pullman, Washington, USA
- 2) J. Icenhower, M. Zarghami, M. Vaziri, “A Heuristic Power Optimization Method for Photovoltaic Systems” *Proceedings of the IEEE North American Power Symposium (NAPS) Conference - September 07-09, 2014*, Pullman, Washington, USA
- 3) F. Shabaninia, M. Vaziri, M. Amini, M. Zarghami, S. Vadhva, “Kalman-Filter Algorithm and PMUs for State Estimation of Distribution Networks” *Proceedings of the IEEE IRI Conference, August 13-15, 2014*, San Francisco, California, USA
- 4) M. Zarghami, B. Kaviani, F. Tavatli, M. Vaziri, “Complex Power Optimization of Photovoltaic Systems” *Proceedings of the IEEE Power and Energy Society (PES) Conference – July 27-31, 2014*, National Harbor, Maryland (Washington, DC Metro Area), USA
- 5) D. Isle, M. Vaziri, M. Zarghami, S. Vadhva, “Review of Concepts to increase Distributed Generation into the Distribution Network” *Proceedings of the IEEE Green Technologies Conference, April 4-5, 2014*, Corpus Christie, Texas, USA
- 6) M. Tesfasilassie, M. Zarghami, M. Vaziri, A. Rahimi, S. Vadhva, “An Estimation Approach for CVR Effectiveness Using Aggregated Load Modeling” *Proceedings of the IEEE PES Conference on Innovative Smart Grid Technologies (ISGT), Feb. 19-22, 2014*,
- 7) A. Rahimi, M. Zarghami, M. Vaziri, S. Vadhva, “A Simple and Effective Approach for Peak Load Shaving Using Battery Storage Systems” *Proceedings of the IEEE North American Power Symposium (NAPS) Conference - September 22-24, 2013*, Manhattan, Kansas, USA
- 8) M. Vaziri, M. Afzal, M. Zarghami, A. Yazdani, S. Vadhva, F. Tavatli “Voltage Impacts of DG on Distribution Grid with Voltage Regulators and SVCs” *Proceedings of the IEEE Green Technologies Conference, April 4-5, 2013*, Denver, Colorado, USA
- 9) M. O. AlRuwaili, M. Y. Vaziri, S. Vadhva, S. Vaziri “Impact of Wind Generation Variability on Voltage Profile of Radial Power Systems” *Proceedings of the IEEE Green Technologies Conference, April 4-5, 2013*, Denver, Colorado, USA

- 10) M. Zarghami, M. Y. Vaziri, A. Rahimi, S. Vadhva, "Applications of Battery Storage to Improve Performance of Distribution Systems" *Proceedings of the IEEE Green Technologies Conference, April 4-5, 2013, Denver, Colorado, USA*
- 11) M. Vaziri, S. Vadhva, F. Tavatli, S. Vaziri, "Volt/VAr Regulation and Issues with High Penetration of Renewables on Distribution Systems" *Proceedings of the IEEE IRI Conference, August 8-10, 2012, 978-1-4673-2284-3/12/\$31.00 ©2012 IEEE, pp 519-524, Las Vegas, Nevada, USA*
- 12) M. Johnson, M. Vaziri, S. Vadhva, "Understanding Slow Voltage Instability" *Proceedings of the IEEE IRI Conference, August 8-10, 2012, 978-1-4673-2284-3/12/\$31.00 ©2012 IEEE, pp 502-508, Las Vegas, Nevada, USA*
- 13) T. Oneal, M. Vaziri, "Novel Substation Bus Arrangement Metrics" *Proceedings of the IEEE PES General Meeting – 978-1-4673-2729-9/12/\$31.00 ©2012 IEEE, July 22-26 2012. San Diego, California, USA*

**List of Papers in preparation for submission or accepted for publication in IEEE Journals**

- 14) M. Vaziri, D. Smith, "Grounding of Primary System for LV Networks" Accepted for Publication in the *IEEE Transactions on "Power Delivery"* - TPWRD-00010-2014 DOI (identifier) 10.1109/TPWRD.2014.2363175

**List of Papers in preparation for submission to IEEE Conferences**

- 15) M. A. Tayyab, M. Vaziri, A. Yazdani, M. Zarghami "Distributed Generation Effects on Voltage Profile of Distribution Grid with SVC and Smart Inverter" *To be Submitted to an IEEE Conference for publications in 2015*
- 16) F. Shabaninia, D. Amoozegar, M. Vaziri, M. Zarghami "D-STATCOM Modelling for Voltage Stability with Fuzzy Logic PI Current Controller" *To be Submitted to an IEEE Conference for publications in 2015*
- 17) F. Shabaninia, R. Taghavi, M. Vaziri, M. Zarghami, "State Estimation in Distribution Test Feeder with Wind Generation Using Monte-Carlo Method" *To be submitted to an IEEE Conference for publications in 2015*
- 18) F. Shabaninia, M. Seyedyazdi, M. Vaziri, M. Zarghami, "State Estimation in a Power Distribution Grid based on WLS and EKF Techniques" *To be submitted to an IEEE Conference for publications in 2015*
- 19) Z. Cramer, M. Vaziri, M. Zarghami, S. Vadhva, "Distribution Substation Bus Design for Optimal Reliability and Economics" *To be Submitted to an IEEE Conference for publications in 2015*