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Yunwei (Ryan) Li

Professor, Ph.D., P.Eng.

Department of Electrical and Computer Engineering

University of Alberta

Contact Information

Mailing address:

Department of Electrical and Computer Engineering 11-370 Donadeo Innovation Centre for Engineering 9211-116 Sreet NW Edmonton, AB, T6G 1H9 Canada

Office: 11-370, Donadeo ICE **Phone:** (780) 492-9483

Email: yunwei.li@ualberta.ca

Biography

I received the Bachelor of Science in Engineering degree from Tianjin University, China, in 2002, and the Ph.D. degree from the School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore, in 2006.

In 2005, I was a Visiting Scholar with the Institute of Energy Technology, Aalborg University, Denmark, where I worked on the medium voltage dynamic voltage restorer (DVR) system. From 2006 to 2007, I was a Postdoctoral Research Fellow in the Department of Electrical and Computer Engineering, Ryerson University, Canada, working on the high power converter and electric drives. In 2007, I also worked at Rockwell Automation Canada as a R&D Engineer and was responsible for the development of power factor compensation strategies for current source fed motor drives. Since 2007, I have been with the Department of Electrical and Computer Engineering, University of Alberta, Canada.

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Selected Publications

Journal publications

- 1. F. Nejabatkhah, Y. W. Li and K. Sun "Parallel Three-Phase Interfacing Converters Operation under Unbalanced Voltage in Hybrid AC/DC Microgrid," *IEEE Transactions on Smart Grid*, in press 2016.
- 2. L. Guo, X. Li, Y. W. Li, C. Wang and Y. Feng, "Stability Analysis and Damping Enhancement Based on Frequency Dependent Virtual Impedance for DC Microgrids," *IEEE Journal of Emerging and Selected Topics in Power Electronics*, in press, 2016.
- 3. Y. Wang, W. Xu, Y. W. Li and H. Tian, "High Frequency, Half Wavelength Power Transmission Scheme," *IEEE Transactions on Power Delivery*, in press, 2016.
- 4. Y. Zhang and Y. W. Li "Energy Management Strategy for Supercapacitor in Droop-controlled DC Microgrid Using Virtual Impedance," *IEEE Transactions on Power Electronics*, in press 2016.
- 5. J. He, Y. W. Li, X. Liang, C. Wang, and D. Xu, "Deadbeat Weighted Average Current Control with Corrective Feedforward Compensation for Microgrid Converters with Non-Standard LCL Filter," *IEEE Transactions on Power Electronics*, in press 2016.
- 6. X. Wang, K. Sun, Y. W. Li, F. Nejabatkhah and Y. Mei "Parallel Operation of Bi-directional Interfacing Converters in a Hybrid AC/DC Microgrid under Unbalanced Grid Voltage Conditions", *IEEE Transactions on Power Electronics*, in press 2016.
- 7. J. He, Y. W. Li, C. Wang, and B. Liang, "Simultaneous Microgrid Voltage and Current Harmonics Compensation Using Coordinated Control of Dual-Interfacing-Converters," *IEEE Transactions on Power Electronics*, in press 2016.
- 8. Y. Lian, Y. W. Li, Z. Quan, N. Zargari, and G. Cheng, "SVM Strategies for Common-Mode Current Reduction in Transformerless Current-Source Drives at Low Modulation Index," *IEEE Transactions on Power Electronics*, vol 32, pp. 1312-1323, Feb. 2017.
- 9. Z. Quan and Y. W. Li, "A Three-level Space Vector Modulation Scheme for Paralleled Converters to Reduce Circulating Current and Common Mode Voltage," *IEEE Transactions on Power Electronics*, vol 32, pp. 703-714, Jan. 2017.
- 10. X. Zhao, Y. W. Li, H. Tian and X. Wu, "Energy Management Strategy of Multiple Superconnectors in a DC