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师资队伍

电气工程系

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自动化系 (../szdw/zdhx.htm)

电子信息工程系

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通信工程系

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现代电工电子技术中心

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电气电子国家级实验教学中心

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电气与自动化实验中心

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Date: 2020年08月01日

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主要经历:

- (1)2015.09至今在天津大学电气自动化与信息工程学院任教授
- (2)2013.11 -2015.07在加拿大Accu Canada Inc担任Senior Power Electronics Engineer
- (3)2009.09 -2013.10在加拿大Univ. of Alberta攻读电力工程博士学位
- (4)2008.08-2009.07在中国电子科技集团公司担任电力电子工程师
- (5)2005.09-2008.07 在中国科学院电工研究所攻读电力电子与电力传动硕士学位
- (6)2001.09-2005.07 在东南大学攻读电气工程学士学位

主要研究方向:

- (1) 电能质量
- (2) 大功率电力电子变流技术
- (3) 能量路由和微电网
- (4) 新能源发电和分布式电源

主要科研项目:

作为项目负责人和电网公司、电力电子设备、电源公司等开展了多项项目合作，模块化有源电力滤波器、中压电力电子变压器、储能变流器等多项技术已经成功产品化。承担国家自然科学基金项目“面向大功率微电网和微网群的多重化电流源变流器关键技术研究”等多项国家级和省部级科研项目。

代表性论著、学术著作:

近年来在IEEE期刊发表论文30余篇。入职天津大学两年半以来，以第一或通信作者发表SCI一区检索IEEE期刊论文12篇。第一作者所著十篇代表作被引用超2500次，其中ESI高被引论文8篇。

学术论文:

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- [6] J. He, Y. W. Li, J. M. Guerrero, F. Blaabjerg and J. C. Vasquez, "An Islanding Microgrid Power Sharing Approach Using Enhanced Virtual Impedance Control Scheme," IEEE Trans. Power Electron., vol. 28, no. 11, pp. 5272-5282, Nov. 2013.
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- [13] J. He, Y. W. Li, R. Wang and C. Zhang, "Analysis and mitigation of resonance propagation in grid-connected and islanding microgrids," *IEEE Trans. Energy Conversion*, vol. 30, no. 1, pp. 70-81, Mar. 2015.
- [14] X. Xing, C. Zhang, A. Chen, J. He, W. Wang and C. Du, "Space-Vector-Modulated Method for Boosting and Neutral Voltage Balancing in Z-Source Three-Level T-Type Inverter," *IEEE Trans. Ind. Appl.*, vol. 52, no. 2, pp. 1621-1631, Mar/Apr. 2016.
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主要学术成就、奖励及荣誉:

- (1) IEEE电力电子学会期刊论文奖
- (2) 2012年中国政府海外优秀自费留学生奖学金

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