

## 学科建设

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### 学术报告

## 学科概况

### 电气工程学科

### 控制科学与工程学科

### 仪器科学与技术学科

### 动力工程与工程物理学科

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学习经历	1994.9 – 1998.7 河海大学 本科 1998.8 – 2001.7 河海大学 硕士 2005.10 – 2008.12 伯明翰大学 博士				
工作经历	1998.8 – 2005.10 河海大学电气工程学院 助教, 讲师 (2004) 1999.8 – 2000.8 河南电力调度通信中心 实习工程师 2008.12 -- 河海大学电气工程学院 副教授				
研究方向	电力系统建模与控制 可再生能源发电系统的建模与控制				
获奖情况	1. “河南电网负荷特性数据库的建立和应用”, 2004年度国家电网公司科技进步奖, 二等 2. “电力系统动态等值的在线测辨方法及装置”, 2001年度河南省电力公司科技进步奖, 二等; 3. “电力系统非线性辨识”, 1999年度国家电力总公司科技进步奖, 二等.				
主要成果	<p><u>期刊:</u></p> [1] F. Wu, X.-P. Zhang, P. Ju, and M. Sterling, "Optimal Control for AWS Based Wave Energy Conversion System," <i>IEEE Trans. on Power Systems</i> , Vol 24, No. 4, pp. 1747-1755, Nov. 2009. [2] F. Wu, X.-P. Zhang, and P. Ju, "Small Signal Stability Analysis and Control of the Wind Turbine with the Direct-Drive Permanent Magnet Generator Integrated to the Grid," <i>Electrical Power Systems Research</i> , Vol 79, No.12, pp. 1661-1667, Dec. 2009. [3] F. Wu, X.-P. Zhang, P. Ju, and M. Sterling, "Modeling and Control of AWS based Wave Energy Conversion System Integrated into Power Grid," <i>IEEE Trans on Power Systems</i> , Vol 23, No.3, pp. 1196-1204, Aug. 2008. [4] F. Wu, X.-P. Zhang, P. Ju, and M. Sterling, "Decentralized Nonlinear Control of Wind Turbine with Doubly Fed Induction Generator," <i>IEEE Trans. on Power Systems</i> , Vol 23, No.2, pp. 613-621, May 2008. [5] F. Wu, X.-P. Zhang, K. Godfrey, and P. Ju, "Small signal analysis an optimal control of wind turbine with doubly fed induction generator," <i>IET Gener Transm. Distrib.</i> Vol.1, No.5, pp. 751-760, Sep. 2007 <p><u>国际会议:</u></p> [6] F. Wu, X.-P. Zhang, K. Godfrey, and P. Ju, "Modeling and Control of Wind Turbine with Doubly Fed Induction Generator," <i>Power Systems Conference and Exposition, IEEE PES (2006)</i> , pp. 1404-1409. [7] F. Wu, X.-P. Zhang and P. Ju, "Impact of Wind Turbines on Power System Stability," <i>Bulk Power System Dynamics and Control - VII</i> , August 19-24, 2007, Charleston, South Carolina, USA [8] F. Wu, X.-P. Zhang and P. Ju, "Modeling and Control of the Wind Turbine with the Direct Drive Permanent Magnet Generator Integrated to Power Grid" <i>IEEE 3rd International Conference on Electric Utility Deregulation and Restructuring and Power Technologies 2008</i> , Nanjing, China, 6-9 April 2008				