



TECHNICAL UNIVERSITY OF DENMARK › PHONEBOOK › QIUWEI WU



**Qiuwei Wu**

Associate Professor

**DTU ELECTRICAL ENGINEERING**  
**Department of Electrical Engineering**

Technical University of Denmark  
 Elektrovej  
 Building 325, room 112  
 2800 Kgs. Lyngby

**Ph.** +45 45 25 35 29  
**Mobile** +45 52 87 91 94  
**Fax** +45 45 88 61 11  
**E-mail** [qw@elektro.dtu.dk](mailto:qw@elektro.dtu.dk)  
**ORCID** [0000-0001-7935-2567](https://orcid.org/0000-0001-7935-2567)

**Publications**

ALL ARTICLE IN JOURNAL (48) ACADEMIC DISSERTATION (4) BOOK (3) CONFERENCE (50) REPORT (2) MISC (1) PEER REVIEWED (102)  
 2016



**Optimal Active Power Control of A Wind Farm Equipped with Energy Storage System based on Distributed Model Predictive Control**

Zhao, Haoran ; Wu, Qiuwei ; Guo, Qinglai ; Sun, Hongbin ; Xue, Yusheng  
 in journal: IET Generation Transmission and Distribution (ISSN: 1751-8687) (DOI:  
<http://dx.doi.org/10.1049/iet-gtd.2015.0112>), vol: 10, issue: 3, pages: 669 - 677, 2016  
 Type: Journal article (Peer reviewed)  
 Status: Published | Year: 2016 | DOI: <http://dx.doi.org/10.1049/iet-gtd.2015.0112>



**Hardware-in-the-loop (HIL) Test of Demand as Frequency Controlled Reserve (DFR)**

Wu, Qiuwei ; Zimmermann, K. ; Østergaard, Jacob ; Nielsen, Arne Hejde  
 part of: Proceedings of APSCOM 2015, 2016,  
 Presented at: 10th IET International Conference on Advances in Power System Control, Operation and Management , 2015, Hong Kong  
 Type: Article in proceedings (Peer reviewed)  
 Status: Published | Year: 2016

**Uncertainty Management of Dynamic Tariff Method for Congestion Management in Distribution Networks**

Huang, Shaojun ; Wu, Qiuwei ; Cheng, Lin ; Liu, Zhaoxi ; Zhao, Haoran  
 in journal: I E E Transactions on Power Systems (ISSN: 0885-8950) (DOI:  
<http://dx.doi.org/10.1109/TPWRS.2015.2408439>), 2016  
 Type: Journal article (Peer reviewed)  
 Status: Accepted/In press | Year: 2016 | DOI: <http://dx.doi.org/10.1109/TPWRS.2015.2408439>

**Review of VSC HVDC Connection for Offshore Wind Power Integration**

Korompili, Asimenia ; Wu, Qiuwei ; Zhao, Haoran  
 in journal: Renewable & Sustainable Energy Reviews (ISSN: 1364-0321) (DOI:  
<http://dx.doi.org/10.1016/j.rser.2016.01.064>), vol: 59, pages: 1405-1414, 2016  
 Type: Journal article (Peer reviewed)  
 Status: Published | Year: 2016 | DOI: <http://dx.doi.org/10.1016/j.rser.2016.01.064>



### Autonomous Voltage Security Regions to Prevent Cascading Trip Faults in Wind Turbine Generators

Niu, Tao ; Guo, Qinglai ; Sun, Hongbin ; [Wu, Qiuwei](#) ; Zhang, Boming ; Ding, Tao  
in journal: IEEE Transactions on Sustainable Energy (ISSN: 1949-3029) (DOI:  
<http://dx.doi.org/10.1109/TSTE.2016.2545704>), vol: 7, issue: 3, pages: 1306 - 1316, 2016

Type: Journal article (Peer reviewed)

Status: Published | Year: 2016 | DOI: <http://dx.doi.org/10.1109/TSTE.2016.2545704>



### Coordinated Voltage Control of a Wind Farm based on Model Predictive Control

[Zhao, Haoran](#) ; [Wu, Qiuwei](#) ; Guo, Qinglai ; Sun, Hongbin ; [Huang, Shaojun](#) ; Xue, Yusheng  
in journal: IEEE Transactions on Sustainable Energy (ISSN: 1949-3029), 2016

Type: Journal article (Peer reviewed)

Status: Accepted/In press | Year: 2016

### Optimal Planning of the Nordic Transmission System with 100% Electric Vehicle Penetration of passenger cars by 2050

Graabak, Ingeborg ; [Wu, Qiuwei](#) ; Warland, Leif ; [Liu, Zhaoxi](#)  
in journal: Energy (ISSN: 0360-5442) (DOI: <http://dx.doi.org/10.1016/j.energy.2016.04.060>), vol:  
107, pages: 648-660, 2016

Type: Journal article (Peer reviewed)

Status: Published | Year: 2016 | DOI: <http://dx.doi.org/10.1016/j.energy.2016.04.060>



### Distribution Locational Marginal Pricing for Optimal Electric Vehicle Charging through Chance Constrained Mixed-Integer Programming

[Liu, Zhaoxi](#) ; [Wu, Qiuwei](#) ; Oren, Shmuel S. ; [Huang, Shaojun](#) ; Li, Ruoyang ; Cheng, Lin  
in journal: IEEE Transactions on Smart Grid (ISSN: 1949-3053), 2016

Type: Journal article (Peer reviewed)

Status: Accepted/In press | Year: 2016

### Optimal reconfiguration-based dynamic tariff for congestion management and line loss reduction in distribution networks

[Huang, Shaojun](#) ; [Wu, Qiuwei](#) ; Cheng, Lin ; [Liu, Zhaoxi](#)  
in journal: IEEE Transactions on Smart Grid (ISSN: 1949-3053) (DOI:  
<http://dx.doi.org/10.1109/TSG.2015.2419080>), vol: 7, issue: 3, pages: 1295-1303, 2016

Type: Journal article (Peer reviewed)

Status: Published | Year: 2016 | DOI: <http://dx.doi.org/10.1109/TSG.2015.2419080>

### A Sufficient Condition on Convex Relaxation of AC Optimal Power Flow in Distribution Networks

[Huang, Shaojun](#) ; [Wu, Qiuwei](#) ; Wang, Jianhui ; [Zhao, Haoran](#)  
in journal: IEEE Transactions on Power Systems (ISSN: 0885-8950), 2016

Type: Journal article (Peer reviewed)

Status: Accepted/In press | Year: 2016