



## Communications for Smart Grid Symposium

### Symposium Co-Chairs

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The 2015 IEEE International Conference on Communications (ICC) will be held in London, UK from 8-12 June 2015. Themed “Smart City & Smart World,” with its proximity to Tech City, the fastest growing technology cluster in Europe, this flagship conference of IEEE Communications Society will feature a comprehensive technical program including twelve Symposia and a number of Tutorials and Workshops. IEEE ICC 2015 will also include an exceptional Industry Forum & Exhibition program including business panels and keynote speakers. We invite you to submit your original technical papers, and industry forum, workshop, and tutorial proposals to this event. Accepted and presented papers will be published in the IEEE ICC 2015 Conference Proceedings and submitted for inclusion in IEEE Xplore®/IEEE Digital Library. Full details of submission procedures are available at <http://www.ieee-icc.org/2015>.

### Scope and Topics of Interest

The drive to integrate renewable energy resources such as wind and solar power to the Grid in order to reduce our reliance on nuclear power and fossil fuels continues unabated. New innovative Smart Grid Use Cases involving Electric Vehicles and Battery Storage have emerged in a very short time. Communication technologies play a key part in meeting the challenges in terms of managing all this integration and maintaining the Grid stability. Traditional Smart Metering, Distribution Automation, Demand Response and Load Control solutions continue to evolve, leveraging the latest communication technologies. The scale of Smart Grid sensor networks and the need for low-latency real-time communication has increased dramatically. Consumers are now part of the Smart Grid and they want to actively manage their energy consumption in order to reduce costs and become Green citizens. At the same time the Smart Grid must be kept secure from cyber-attack and consumer privacy is also paramount. Robust, reliable, low-latency, secure, standardized communication technologies are needed to meet these many challenges. The Communication for the Smart Grid Symposium draws on wide ranging communication technologies, particularly wireless and powerline technologies and solicits original contributions in, but not limited to, the following topical areas:

- Channel characterization and models
- Channel access and Physical layer technologies and techniques for Smart Grid communications
- MAC Layer and routing protocols for Smart Grid
- Resource allocation, coexistence, interoperability and interference in Smart Grid networks
- Cross-layer optimization for Smart Grid communications
- Optimized implementation solutions
- Architectures and networking for Smart Grid Networks
- Low-latency communications requirements and Quality-Of-Service for Smart Grid applications
- Modelling, performance analysis, field trials for Smart Grid communications technologies
- Green Solutions for Smart Grid communications
- Security for Smart Grid communication networks
- Standardization efforts and regulation

## Submission Guidelines

Prospective authors are invited to submit original technical papers by the deadline 15 October 2014 for publication in the IEEE ICC 2015 Conference Proceedings. All submissions should be written in English with a maximum paper length of Six (6) printed pages (10-point font) including figures without incurring additional page charges (maximum 1 additional page with over length page charge if accepted).

**Standard IEEE Transactions templates for Microsoft Word or LaTeX formats found at**  
<http://www.ieee.org/portal/pages/pubs/transactions/stylesheets.html>

**Alternatively you can follow the sample instructions in template.pdf at**  
<http://www.comsoc.org/confs/globecom/2008/downloads/template.pdf>

**Only PDF files will be accepted for the review process and all submissions must be done through EDAS at**  
<https://edas.info/newPaper.php?c=17731&track=57949>

## Co-Chair Biography

**Bill Lichtensteiger** received his BSc. degree in Electrical and Electronic Engineering from the University of Birmingham UK in 1997, and a Diploma in Marketing from Bournemouth University UK in 2003. Bill started his career in electronics engineering and software engineering before working for nine years in product management, product development and programme management roles in the mobile communications industry with Ericsson and Sony Ericsson. In 2003 Bill moved back to his native Switzerland, joining Ascom as R&D Manager for secure wireless communications systems. In 2008 Bill joined Landis+Gyr as Director for Communication Technology at the Group HQ in Zug, Switzerland where he is globally responsible for the coordination of Communication Technology development for Landis+Gyr's Smart Metering and Smart Grid solutions. Bill is also active in the area of standardization of wireless and powerline communication technologies for Smart Metering and Smart Grid. He has co-served as a Technical Content Chair for the IF&E track of IEEE Gridcomm 2013 and has previously co-authored papers on the subject of RF mesh system performance and Multi-Carrier Powerline solutions.