

IEEE International Conference on Communications
IEEE ICC 2014
Communications: The Centrepoint of the Digital Economy
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Selected Areas in Communications Symposium
Communication for the Smart Grid Track

Symposium Track Chair

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The 2014 IEEE International Conference on Communications (ICC) will be held in the beautiful city of Sydney, Australia between 10 and 14 June 2014. The theme of this flagship conference of IEEE Communications Society for 2014 is “*Communications: The Centrepoint of the Digital Economy.*” The conference will feature a comprehensive technical program including twelve Symposia and a number of Tutorials and Workshops. IEEE ICC 2014 will also include an attractive expo program including keynote speakers, and Industry Forum & Exhibitions (IF&E). We invite you to submit your original technical papers, industry forum, workshop, and tutorial proposals to this event. Accepted and presented papers will be published in the IEEE ICC 2014 Conference Proceedings and in IEEE Xplore®. Full details of submission procedures are available at <http://www.ieee-icc.org/2014>.

Scope and Topics of Interest

The Smart Grid continues to attract substantial investment in terms of both technical projects and marketing activities. A major driver and motivation for this is the global recognition and understanding that energy consumption must be reduced through improved efficiencies and the Smart Grid will play a key role in enabling this. But the Smart Grid meets many multi-faceted challenges both in terms of technologies and scale of operation. Experience will be a key success factor in meeting these challenges. Also, due to the importance of Energy for economic development, a high performance level is required from Smart Grid solutions: robust communication, low maintenance cost and strong security features. Each of the issues mentioned above highlights a specific aspect within the whole Smart Grid picture.

The Communication for the Smart Grid track gathers all communication skills relative to Smart Grid (together with Power Line and Wireless technologies), including, but not limited to:

- 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

- Communications requirements and Quality-Of-Service for Smart Grid applications
- Modeling, performance analysis, field trials for Smart Grid communications
- 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 September 2013 for publication in the IEEE ICC 2014 Conference Proceedings and for oral or poster presentation(s). 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
<http://edas.info/>

Vincent Guillet received his M.Sc in Electronics Engineering in 2006 and PhD in Signal Processing for Power Line Communication in 2010 from the University of Orléans, France. After his PhD he joined both Wirecom / CRESITT Industrie (France) and worked on the integration on a Software Defined Power Line Modem for Cenelec bands. He currently is with Landis+Gyr France, where he is member of EMEA PLC Center Of Competence. Dr Vincent Guillet is the Secretary of IEEE Technical Committee for Power Line Communications.