

Call for Papers for *Selected Areas in Communications Symposium* *Power Line Communications Track*

Scope and Motivation:

Power line Communication (PLC) uses existing electrical wiring in buildings, the power grid and vehicles for communications applications spanning broadband multimedia in-home communications, smart grid applications, last-mile Internet access and in-vehicle communications. Papers are solicited that address subjects including though not limited to PLC channel characterization and modeling, electromagnetic interference and regulations, coupling, communication protocols for broadband and narrowband PLC as well as the overall the design and analysis of current and future PLC systems. Topics of interest include, but are not limited to:

- PLC applications in Smart grid communications, controls and protocols
- In-home, access and in-vehicle networks
- Capacity planning, resource allocation and scheduling for PLC
- PHY and MAC layer protocols for PLC
- Congestion and admission control for PLC
- Coexistence and interoperability for PLC
- Cognitive and cooperative systems for PLC
- Cross-layer optimization in PLC
- Modeling and performance evaluation for PLC
- Power Quality monitoring and PLC data concentrators
- PLC channel characterization and measurement
- Measurement data from testbeds, field trials and commercial deployments
- Regulation and standardization
- Coupling and EMI Issues
- PLC applications between charging stations and electric cars

Sponsoring Technical Committees:

- Power Line Communications

How to Submit a Paper:

The IEEE Globecom 2015 website provides full instructions on how to submit papers. You will select the desired symposium when submitting. **The paper submission deadline is April 1, 2015. Unlike recent ICC's and Globecom's, this is a hard deadline that will not be extended.**

Symposium Track-Chair:

Dr.-Ing. Anil Mengi
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Biography:



Anil Mengi is working as Director Strategic Positioning at devolo AG, the global market leader for powerline infrastructure technologies. In his position in Aachen, Germany, he is responsible for the organization and coordination of European and national funding projects, active participation in global industrial organizations and standards and positioning devolo in emerging markets and directions. He has contributed to the development of IEEE Standards 1901, 1901.2 and 1905.1. Beside his company responsibilities, he is holding management positions in standardization and industry organizations. He also serves as Co-Chair of the General Symposium on Selected Areas in Communications at the IEEE Technical Committee on Power Line Communications.