



CALL FOR PAPERS

SELECTED AREAS IN COMMUNICATIONS SYMPOSIUM

POWER LINE COMMUNICATIONS TRACK

Track Chair

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Scope and Topics of Interest

Power line communications (PLC) take advantage of existing power distribution infrastructure for communications. They have found application in a variety of network types, including in-home networks, last-mile access, Smart Grids and metering, in-vehicle networks, home and distributed automation. A rich variety of standards, protocols and technological advances underlie PLC communications enabling both broadband and narrowband communication under a range of challenging physical conditions.

The aim of the Power Line Communications (PLC) Track of the Symposium on Selected Areas on Communications is to provide a forum that brings together scientists and researchers from all over the world to present cutting-edge innovations in all aspects PLC communication. Papers on practical applications and R&D results from industrial researchers and academics and users of PLC systems are all encouraged.

To ensure complete coverage of the advances in this field, the PLC Track of the SAC Symposium solicits original contributions in, but not limited to, the following topical areas:

- Access, in-home and in-vehicle power line networks
- Broadband and multimedia applications
- Challenges and emerging technologies in PLC at all layers
- Channel characterization and modeling, channel emulation and experimental systems
- Coexistence, EMC, interoperability and interference
- Cross-layer optimization and service integration
- Green communications and energy efficiency in PLC
- Experience from field trials, large-scale roll-outs and operation of PLC systems
- MAC techniques in PLC systems
- MIMO PLC
- Modulation, coding and signal processing for PLC
- Network and service management for PLC
- Network planning and resource optimization for PLC
- Noise effects in PLC
- Operation and management for PLC networks
- PLC for Smart Metering, Distribution Automation, Distributed Generation and Home Automation
- PLC modem and physical layer design
- PLC signal coupling

- QoS, QoE and SLAs in PLC networks
- Standardization and regulation efforts pertaining to PLC systems
- Switching/Relaying/Routing techniques in PLC systems
- System architectures integrating PLC

Submission Guidelines

The IEEE ICC 2018 website provides full instructions on how to submit papers & the paper format.

You will select the desired symposium/track when submitting.

The paper submission deadline is October 15, 2017.

Only PDF files will be accepted for the review process and all submissions must be done through EDAS at <http://edas.info/>