



# Call for Papers for *Symposium on Selected Areas in Communications* *Smart Grid Communications Track*

## Track Chair

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## Scope and Motivation

The Smart Grid Communications Track of the Selected Areas in Communications Symposium will focus on all aspects of information and communication technologies enabling the increased automation of electric power systems, with the objective of making electricity generation, transmission and distribution more sustainable. The track welcomes original and innovative research work in technical areas spanning communications, control, computing, power electronics, and power systems, as well as novel results from implementation studies.

## Topics of Interest

The Smart Grid Communications Track seeks original contributions in topical areas including but not limited to:

- Machine learning, data analytics and management for smart grid control and communication
- Cross-layer design and optimization techniques applied to smart grid systems
- Cyber-physical modelling and analysis of smart grid systems
- Cyber security, privacy and cyber-physical security
- Demand side management and demand response
- Distributed management and control of micro-grids
- Smart metering infrastructure
- Edge/fog/cloud computing for smart grid analytics and control
- Integration of renewables, storage and electric vehicles into smart grids
- Measurements, experimental testbeds and field trials
- IoT, V2G, G2V and machine-to machine communications for smart grids
- Network architectures and device placement for supporting smart grid communications
- Physical, link and network layer protocols and resource management in smart grids

- Wireless power transfer and energy harvesting techniques for smart grid communications
- Regulation, standardization, and smart grid economics

## Important Dates

**Paper Submission:** 12 October 2020

**Notification:** 25 January 2021

**Camera Ready and Registration:** 22 February 2021

## How to Submit a Paper

All papers for technical symposia should be submitted via [EDAS](#). Full instructions on how to submit papers are provided on the IEEE ICC2021 website: <https://icc2021.ieee-icc.org/>