

# IEEE Global Communications Conference

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*Connecting Cultures around the Globe*

## SAC: Full-Duplex Communications

### SYMPOSIUM CHAIR

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### SCOPE AND MOTIVATION

Supported by [the respective IEEE ComSoc ETI](#), the Full-Duplex Communications track in the Selected Areas in Communication Symposium follows [the ICC'21 edition](#) and continues [the workshop series from ICC'17 through ICC'20, including GLOBECOM'17 and GLOBECOM'18](#). The track welcomes original and innovative research in all technical areas on full-duplex communications, encouraging high-quality papers that report state-of-the-art advances at both industry and academia.

### TOPICS OF INTEREST

The Full-Duplex Communications track seeks original contributions in all areas and levels of wireless and wired communication systems that involve in-band full-duplex (FD), i.e., same-frequency simultaneous transmit and receive (STAR) operation in some relevant form. E.g. wireless system aspects include:

- Advanced antenna and transceiver designs for full-duplex
- Experimental evaluation of full-duplex transceivers and networks
- Advanced self-interference cancellation techniques for full-duplex
- Modelling of self-interference and channel measurements for FD
- MIMO and mmWave full-duplex transceiver design
- Performance analysis of full-duplex transceivers, systems and networks
- New FD MIMO techniques for multiuser interference cancellation
- Non-orthogonal multiple access (NOMA) and full-duplex techniques
- Physical layer security and full-duplex techniques
- Full-duplex relaying and cooperative communications
- Cognitive radio and full-duplex techniques
- Full-duplex techniques with wireless power and energy harvesting
- Full-duplex device-to-device and M2M communications
- Full-duplex small cell deployments, dynamic TDD and heterogeneous networks
- Ultra-reliable low-latency MAC and routing protocols for FD networks
- Cross-layer design and virtualization for full-duplex networks
- Resource allocation, medium access control, and scheduling for full-duplex systems

### IMPORTANT DATES

Deadline for paper submission: 15 April 2021

Date for notification: 25 July 2021

Deadline for final paper submission: 1 September 2021

### SUBMISSION INSTRUCTIONS

All papers for technical symposia should be submitted via EDAS through the following link

<https://edas.info/newPaper.php?c=27500&track=102702>