



# Call for Papers for *Symposium on Selected Areas in Communications* *Big Data Track*

## Track Chair

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## Scope and Motivation

This Big Data Track covers all ideas, results, theories, visions, and experiences in big data relevant sciences, technologies, and applications. This track welcomes relevant paper submissions from researchers in academia, industry, and government, such as professors, students, engineers, practitioners, scientists, and policy makers. This track welcomes not only original technical and scientific research results but also technical surveys in relevant topics.

## Topics of Interest

The Big Data track seeks original contributions in the following topical areas, plus others that are not explicitly listed but are closely related:

- Big business and industries
- Big data acquisition, integration, cleaning, and practices
- Big data architecture, infrastructure and platforms
- Big data classifications, benchmarks and metrics
- Big data for astronomy
- Big data for biological, biomedical, and health science and technologies
- Big data for multimedia and image processing
- Big data for smart cities and smart homes
- Big data for social networks
- Big data in and for research, sciences and technologies
- Big data in, with, and for cloud computing and networking
- Big data in, with, and for communications and networking
- Big data integration and visualization
- Big data maintenance, management, and operations

- Big data models, theories, algorithms, approaches, solutions
- Big data performance analysis and large-scale deployment
- Big data placement, scheduling, and optimization
- Big data practices and applications
- Big data retrieval, processing, analysis, and analytics
- Big data semantics, scientific and knowledge discovery and intelligence
- Big data standardization and regulation
- Big data storage and management
- Big data with and for smart grids
- Big data with Internet of Things/cyber-physical systems
- Big data with relevant signal processing techniques
- Big sciences and technologies
- Data intensive sciences and technologies
- Data lifecycle
- Distributed and federated datasets
- Evaluations, simulations and debugging and tools relevant to big data
- File systems and databases for big data
- Green issues for and by big data
- Inquiries and programming languages for big data
- Machine learning, data mining, web mining, and graph mining
- Mobility and big data
- Policy making and legal issues in Big Data
- Privacy protection, trust in Big Data
- Quality of experiences and quality of services of big data
- Security in Big Data

## 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/>