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Communications Enabling Shared Understanding

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Call for Papers

Selected Areas in Communications Symposium

Big Data Track

Track chair

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Scope and Topics of Interest

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. The Big Data track solicits original contributions in, but not limited to, the following topical areas:

- 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

Submission Guidelines

The IEEE ICC 2020 website (icc2020.ieee-icc.org) provides full instructions on manuscript format and how to submit a manuscript. You will select the desired symposium/track when submitting your manuscript.