Call for Papers for
Big Data Track,
Selected Areas in Communications Symposium,
2016 IEEE Global Communications Conference
(Globecom 2016).

Scope and Motivation:

This Big Data Track covers all aspects on their 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 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.

Main Topics of Interest:

To ensure complete coverage of the advances in this field, the Big Data Track solicits contributions in, but not limited to, the following topical areas:

- Big data models, theories, algorithms, approaches, solutions
- Machine learning, data mining, web mining, and graph mining
- Data lifecycle
- Big data practices and applications
- Big data in, with, and for communications and networking
- Big data retrieval, processing, analysis, and analytics
- Big data integration and visualization
- Big data standardization and regulation
- Big data architecture, infrastructure and platforms
- Big data maintenance, management, and operations
- Big data classifications, benchmarks and metrics
- Big data acquisition, integration, cleaning, and practices
- Big data in and for research, sciences and technologies
- Big sciences and technologies
- Big economy, finance, business, and industries
- Big data storage and management
- Privacy protection, trust in big data
- Policy making and legal issues in big data

- Security in big data
- Data intensive sciences and technologies.
- Big data in, with, and for cloud computing and networking
- Green issues for and by big data
- Big data semantics, scientific and knowledge discovery and intelligence
- Inquiries and programming languages for big data
- Big data placement, scheduling, and optimization
- File systems and databases for big data
- Evaluations, simulations and debugging and tools relevant to big data
- Big data for smart cities and smart homes
- Big data with and for smart grids
- Big data with Internet of Things/cyber-physical systems
- Big data with relevant signal processing techniques
- Big data for biological, biomedical, and health science and technologies
- Big data for social networks
- Big data for multimedia and image processing
- Big data for astronomy
- Big data performance analysis and large-scale deployment
- Quality of experiences and quality of services of big data
- Distributed and federated datasets
- Mobility and big data
- Relevant surveys

Sponsoring Technical Committees:

- IEEE Technical Subcommittee on Big Data (TSCBD)

How to Submit a Paper:

The IEEE Globecom 2016 website provides full instructions on how to submit papers. You will select the desired symposium when submitting. **The paper submission deadline has been extended to April 15, 2016.**

Symposium Co-Chair for Big Data Track:

- Jinsong Wu, Universidad de Chile (University of Chile), Chile

Biographies:

Jinsong Wu (SM'11) is the co-founder and founding Vice-Chair of the Technical SubCommittee on Big Data (TSCBD) in IEEE Communications Society. He is the founder and founding Chair of Technical Committee on Green Communications and Computing (TCGCC), IEEE Communications Society. He is a steering committee member of IEEE International Workshop on Big Data Sciences, Technologies, and Applications Organized in conjunction with 2016 IEEE

International Conference on Computer Communications (Infocom). He is the Associate Editor of Special Section on Big Data for Green Communications and Computing, IEEE Access, He is the founder and Series Editor on Green Communication and Computing networks of IEEE Communications Magazine. He is Editor of the IEEE J. Select. Areas on Communications (JSAC) Series on Green Communications and Networking, Editor of IEEE Communications Surveys & Tutorials, Associate Editor of IEEE Systems Journal, Associate Editor of IEEE Access. He has served as Associate Editor of Special Section on Big Data for Green Communications and Computing in IEEE Access, the leading Guest Editor of Special Issue on Green Communications, Computing, and Systems in IEEE Systems Journal, the leading Guest Editor of Feature Topics Issue on Context-Aware Networking and Communications in IEEE Communications Magazine, Guest Editor of Special Issue on Mobile Clouds in IEEE Transactions on Cloud Computing. He was Symposium Co-Chair for Track on Green Communication Systems and Networks of the Selected Areas in Communications Symposium, IEEE GLOBECOM 2012. He was the leading General Chair in 2013 IEEE International Conference on Green Computing and Communications. He was the General Chair of the first IEEE International Workshop on Cloud Computing Systems, Networks, and Applications in conjunction with IEEE Globecom 2013. He was the leading Editor and a co-author of the comprehensive book, entitled "Green Communications: Theoretical Fundamentals, Algorithms, and Applications", published by CRC Press in September 2012. He is currently an Associate Professor in Department of Electrical Engineering, Universidad de Chile, Santiago, Chile.

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