

Call for Papers for Selected Areas in Communications Symposium
Big Data Network Track
(SAC-2 BDN)

Symposium Track Chair

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Submissions must be done through EDAS at: <https://edas.info/newPaper.php?c=22643&track=81058>

The paper submission deadline is October 14, 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 Networking 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 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

Biography

Dr Shui Yu is currently a Senior Lecturer (equivalent to Associate Professor in North America) of School of Information Technology, Deakin University. He is a member of Deakin University Academic Board (2015-2016), a Senior Member of IEEE, and a member of AAAS and ACM, the vice chair of Technical Subcommittee on Big Data Processing, Analytics, and Networking of IEEE Communication Society, and a member of IEEE Big Data Standardization Committee.

Dr Yu's research interest includes Cybersecurity and Privacy, Big Data, and Mathematical Modelling. He has published two monographs and edited two books on big data, more than 150 technical papers, including top journals and top conferences, such as IEEE TPDS, IEEE TCC, IEEE TCSS, IEEE TC, IEEE TIFS, IEEE TMC, IEEE TKDE, IEEE TETC, and IEEE INFOCOM. Dr Yu initiated the research field of Networking for Big Data in 2013. His h-index is 22.

Dr Yu actively serves his research communities in various roles. He served IEEE Transactions on Parallel and Distributed Systems as an AE (2013-2015), and is currently serving the editorial boards of IEEE Communications Surveys and Tutorials (exemplary editor for 2014), IEEE Access, IEEE Internet of Thing Journal, IEEE Communications Letters, and a number of other international journals. Moreover, he has organized several Special Issues either on big data or cybersecurity. He has served more than 70 international conferences as a member of organizing committee, such as publication chair for IEEE Globecom 2015 and IEEE INFOCOM 2016, TPC co-chair for IEEE BigDataService 2015, IEEE ITNAC 2015, and General Chair for ACSW 2017.