Call for Papers

Big Data Networking Symposium

The 13th International Wireless Communications & Mobile Computing Conference

IWCMC 2017 Website: http://iwcmc.org/2017/
SUBMISSION LINK: https://edas.info/newPaper.php?c=22770
Holiday Inn Hotel, Valencia, Spain
June 26—30, 2017

Technically sponsored by IEEE, IEEE Spain Society

Symposium Chairs:
Min Chen, Huazhong University of Science and Technology, China, minchen@ieee.org
Daxin Tian, Beihang University, China, dtian@buaa.edu.cn
Giancarlo Fortino, University of Calabria, Italy, giancarlo.fortino@unical.it

Scope:

With the continuous evolution of storage, computing, networking and communication infrastructures with their extensive deployments, the last few years have witnessed a booming interest in the big data and networking systems for emerging IoT and cognitive applications. However, a massive number of ever growing smart devices impose new challenges to big data sensing, transmitting, processing and management. In addition, the bottlenecks of conventional networking and communication systems from different scales, ranging from wireless local area networks to macro-cellular networks, have been exposed, such as increased complexity with large scale networks, dynamic topology in mobile networking, resource constraints, heterogeneous architectures, impracticality of centralized, weak survivability, and unattended resolution of potential failures. There is a great demand for designing content-oriented high-performance networking systems and effectively utilizing limited communicating and computing resources to support a wide variety of big data applications, especially those demanding ultra-reliable and low-latency communications. Thus, there is a need to fundamentally address all the above-mentioned issues in big data networking domains. As one of the technical symposia of the 2017 International Wireless Communication and Mobile Computing Conference (IWCMC 2017), Big Data Networking Symposium seeks cross-disciplinary innovative research ideas and applications results from academia and industry for big data networking issues including novel theory, algorithms, protocols, architectures and applications.

Accepted papers will be published in the IEEE IWCMC 2017 proceedings and will be submitted to the IEEE digital library (IEEE Xplore).

Topics of interest include, but are not limited to:

• Energy-efficient transport, network, and MAC protocols for big data networking
• Measurements and practical experiences from prototypes and testbeds for big data management
• Quality of service issues on heterogeneous communications and 5G networking
• Architectures, protocols and algorithms of ubiquitous sensor networks for big data collections
• Trust, security, privacy and appropriate cryptographic protocols for cloud, IoT and big data systems
• Cloud-assisted wireless body area networks for emerging medical applications
• Applications, operating systems, and middleware supports for big data analytics, big data visualization, big data curation and management
• Cross-layer design and optimization methods for emerging big data networking architectures
• Big data standards, and big data performance modeling and analyses
• Intelligence from big data and big data-driven self-organized networking systems
• Scientific discovery from big data security, privacy, and legal issues specific to big data
• Graph processing and machine learning over distributed networking systems
• 5G networking for cognitive applications with the requirements of ultra-reliability and low-latency
Submission Guidelines:

Prospective authors are invited to submit original technical papers—up to 6 pages of length, using the EDAS link: https://edas.info/newPaper.php?c=22770 for possible publication in the IWCMC 2017 Conference Proceedings, which will be submitted to the IEEE Xplore. Selected papers will further be considered for possible publication in three special issues in the following Journals. For more information, visit: http://iwmc.org/2017/

International Journal of Vehicular Telematics and Infotainment Systems (IJVTIS)
http://www.igi-global.com/journal/international-journal-vehicular-telematics-infotainment/133106

Note: There will be best paper award, best Symposium award and best Workshop award.

Important Dates:

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<th>Date</th>
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<tr>
<td>Submission</td>
<td>10 Jan, 2017</td>
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<tr>
<td>Acceptance notification</td>
<td>30 Mar, 2017</td>
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<td>Registration/Camera-ready</td>
<td>30 Apr, 2017</td>
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TPC Members: (more will be added)

- Zhengguo Sheng, University of British Columbia, Canada
- Jianming Hu, Tsinghua University, China
- Humar Iztok, University of Ljubljana, Slovenia
- Honggang Qi, University of Chinese Academy of Sciences, China
- Evangelos I. Kaisar, Florida Atlantic University, USA
- Tao Luo, Beijing University of Posts and Telecommunications, China
- Carlos Palau, Technical Univ of Valencia, Spain
- Jian Wang, Jilin University, China
- Jeungeun Song, Huazhong University of Science and Technology, China
- Lianyu Chu, UC Irvine, USA
- Jiang Liu, Beijing Jiaotong University, China
- Xin Sun, Ocean University of China, China
- Giancarlo Fortino, University of Calabria, Italy
- Honggang Wang, University of Massachusetts Dartmouth, USA
- Pietro Manzoni, Technical Univ of Valencia, Spain