

IEEE International Conference on Communications
IEEE ICC 2014
Communications: The Centrepiece of the Digital Economy
10-14 June 2014, Sydney, Australia

Selected Areas in Communications Symposium
Cloud Computing Track

Symposium Co-Chairs

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The 2014 IEEE International Conference on Communications (ICC) will be held in the beautiful city of Sydney, Australia between 10 and 14 June 2014. The theme of this flagship conference of IEEE Communications Society for 2014 is “*Communications: The Centrepiece of the Digital Economy.*” The conference will feature a comprehensive technical program including twelve Symposia and a number of Tutorials and Workshops. IEEE ICC 2014 will also include an attractive expo program including keynote speakers, and Industry Forum & Exhibitions (IF&E). We invite you to submit your original technical papers, industry forum, workshop, and tutorial proposals to this event. Accepted and presented papers will be published in the IEEE ICC 2014 Conference Proceedings and in IEEE Xplore®. Full details of submission procedures are available at <http://www.ieee-icc.org/2014>.

Scope and Topics of Interest

The Selected Areas in Communication Symposium – Cloud Computing will focus on networking challenges in cloud computing. Specifically, cloud computing is an emerging computing paradigm that enables infrastructure, platform and applications to be delivered as services over ubiquitous network access. Users can, thus, access the services anywhere and anytime over the Internet and widely available wireless networks. It follows that networking is crucial to facilitate the wide deployment of the cloud computing paradigm. While studies on computing and storage aspects of cloud computing are actively being pursued, investigation on networking challenges and issues in cloud computing have just gained sufficient attention from our research community.

To ensure complete coverage of the advances in this field, the selected areas in Communications Symposium – Cloud Computing Track solicits original contributions in, but not limited to, the following topical areas:

- Data center networking modeling and analysis
- Layer 2/3 network technologies for cloud computing
- Load balancing technologies in cloud computing
- Scalable, congestion-free and loop-free routing in data center networking
- Network resource management in inter- and intra- cloud
- Network-aware service orchestration between mobile device and cloud

- Transport layer issues for cloud computing
- Scalable, secure, green and fault-tolerant data center networking
- Networking Measurements for cloud computing
- Networking issues in delivering IaaS, PaaS and SaaS cloud services
- Network virtualizations and software defined networking technologies for cloud computing
- Network management and control algorithms for cloud computing
- Network security and privacy for cloud computing
- Emerging Network-as-a-Service Architecture and Performance
- Network economics for cloud computing

Submission Guidelines

Prospective authors are invited to submit original technical papers by the deadline 15 September 2013 for publication in the IEEE ICC 2014 Conference Proceedings and for oral or poster presentation(s). All submissions should be written in English with a maximum paper length of Six (6) printed pages (10-point font) including figures without incurring additional page charges (maximum 1 additional page with over length page charge if accepted).

Standard IEEE Transactions templates for Microsoft Word or LaTeX formats found at

<http://www.ieee.org/portal/pages/pubs/transactions/stylesheets.html>

Alternatively you can follow the sample instructions in template.pdf at

<http://www.comsoc.org/confs/globecom/2008/downloads/template.pdf>

Only PDF files will be accepted for the review process and all submissions must be done through EDAS at

<http://edas.info/>

Yonggang Wen is currently an Assistant Professor with School of Computer Engineering at Nanyang Technological University, Singapore. He received his PhD degree in Electrical Engineering and Computer Science (with minor in Western Literature) from Massachusetts Institute of Technology (MIT), Cambridge, MA, USA, in 2008; his MPhil degree (with honor) in Information Engineering from Chinese University of Hong Kong (CUHK), Hong Kong, China, in 2001; and his BEng degree (with honor) in Electronic Engineering and Information Science from University of Science and Technology of China (USTC), Hefei, Anhui, China, in 1999. Previously, he has worked in Cisco as a Senior Software Engineer and a System Architect for content networking products. He has also worked as a Research Intern at Bell Laboratories, Sycamore Networks and Mitsubishi Electric Research Laboratory (MERL), and served as a Technical Advisor to the Chairman at Linear A Networks, Inc. In academic research, he has published more than 40 papers in top journals and prestigious conferences. His system research on Cloud Social TV has been featured more by more than 1600 news articles from more than 29 countries. His research interests include cloud computing, mobile computing, multimedia network, cyber security and green ICT. Dr. Wen is a member of Sigma Xi (the Scientific Research Society), IEEE and SIAM. He has served as a TPC Co-chair for conferences (2012 GameNets, 2012 IEEE MSN) and

workshops (2009 IEEE HSN Workshop), a Publicity Co-chair for ICCCN 2011 and PCM 2012, served as a Guest Editor for IEEE MMTC E-letter Special Issue on network-aware video streaming and IEEE Transactions on Multimedia Special Issue on mobile cloud media, and served as a TPC member for major conferences sponsored by IEEE Communication Society and Computer Society. He co-founded IEEE ComSoc SIG on Green Data Center and Cloud Computing, and is serving as the vice chair for IEEE ComSoc MMTC (2012-), and served as a SIG leader for IEEE ComSoc MMTC (2010-2012). He was one of the recipients of Cisco Pioneer Award (honorable mentioning) in 2009, received Cisco Achievement Program Award twice in 2010.

