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

Communication Software, Services and Multimedia Application Symposium (CSSMAS)

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 Centrepoint 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

This symposium will provide an international technical forum for discussing and presenting recent research results on any aspects for software, services, and multimedia communications. It aims at bringing together experts from industry and academia to exchange ideas and present results on advancing the state-of-the-art and overcoming research on the challenging issues related to the software design and system deployment of services over heterogeneous networks. Papers may present theories, techniques, applications, or practical experiences related to that. For details about submission deadline, paper format and on-line submission procedures, please visit the main ICC 2014 page. Authors should include one of the topics-of-interest below when submitting paper.

To ensure complete coverage of the advances in this field, the CSSMAS Symposium solicits original contributions in, but not limited to, the following topical areas:

- Web Services and distributed SW technology
- Distributed systems and applications, including Grid Services and Cloud Services
- Home Network Service Platform
- Quality of Service (QoS) in multimedia communications
- Mobile Services and Service Platforms

- Service Creation, Delivery, Management
- Quality of Experience (QoE) for End-to-End Communications.
- QoE metrics, assessment, control and management for new and emerging multimedia services (e.g. online gaming, social TV, mobile TV, HDTV, 3DTV)
- QoS and QoE monitoring for multimedia services over Content Distribution Networks (CDNs)
- Content-aware, context-aware and/or network-aware multimedia signal processing and transmissions
- QoS/QoE-aware media transport, congestion control, cross-layer control and/or mobility management for multimedia over fixed and mobile networks-Power-aware and resource-aware multimedia applications in mobile devices
- Context Awareness and Personalization
- Communications Software Engineering – Methods and Tools
- End-to-end Quality of Service software Routing algorithms
- Media streaming and Multimedia real-time delivery systems
- Multimedia Applications and Services including VoIP, IPTV, Gaming and Audio/Video Streaming over IP networks
- Multimedia delivery over wired and wireless networks
- Intelligent Network Management
- Service Security and Privacy and Authentication
- Multimedia services and applications for emergency telecommunications, telemedicine and eHealthcare.
- Charging, pricing, business models, ...

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/

Abdelhamid MELLOUK (Senior Member IEEE). Full Professor at UPEC (University of Paris-Est Creteil VdM), Networks and Telecommunications (N&T) DepT, IUT C/V, France, He graduated in Computer Network Engineering from the University of Oran- EsSenia (Algeria) and the University of Paris Sud XI Orsay (France), received his Ph.D. in Computer Science from the same university and a Doctorate of Sciences (Habilitation) Diploma from the Paris-Est University (UPEC).

Founder and Leader of Network Control research activity with extensive international academic and industrial collaborations; his general area of research is in adaptive real-time control for high-speed new generation dynamic wired/wireless networking in order to maintain acceptable quality of service/quality of experience for added value services. Currently, he is working on routing optimization in dynamic traffic networks; human and bio-inspired artificial intelligence approaches; wireless sensor networks; multimedia and high-speed communications; and adaptive control processes. He investigates particularly the use of artificial neuronal intelligence together with biologically inspired techniques such as reinforcement learning to control network behavior in real time so as to provide users with the quality of service that they request, and to improve network robustness and resilience.

Abdelhamid, Senior Member of IEEE, serves as the Chair of IEEE TC Communications Software (2011-2012), Vice-Chair of the same TC (2019-2010), Officer of the IEEE TC on Communications Switching and Routing (2012-..). He has published/coordinated many books (5) and several refereed international publications (> 150) in journals, conferences and books, in addition to numerous keynotes and plenary talks in flagship venues. He is serving as Editorial Board, Associate Editor or Guest Editor for many top journals and he is/has chaired (or co-chaired) some of top international conferences and symposiums (ex. ICC and GlobeCom).

Lingfen SUN (member of IEEE). Reader (Associate Professor) in Multimedia Communications and Networks at the School of Computing and Mathematics, University of Plymouth, UK. She received her PhD degree in Computing and Communications from the University of Plymouth in 2004. She has been involved in several European and industry funded projects related with multimedia communications and networking. She is currently the Scientific Manager and Principle Investigator for the EU FP7 GERYON project addressing multimedia transmission for emergency communications; an MC member for the EU COST Action QUALINET. She has been involved in the EU FP7 ADAMANTIUM project as WP leader on PQoS models and adaptation mechanisms, the FP6 BIOPATTERN project as a subproject leader on eDelivery with an emphasis on the development of "BIOPATTERN Grid", and led an industry funded project on voice/video quality measurement for 3G networks.

Dr Sun has published over 60 peer-refereed technical papers and book-chapters since 2000 and authored a book on Guide to Voice and Video over IP: For Fixed and Mobile Networks from Springer. She was the Chair of QoE Interest Group of IEEE MMTC during 2010 – 2012; Publicity Co-Chair of IEEE ICME 2011; Post & Demo Co-Chair of IEEE Globecom 2010; Guest Editor for IEEE JSAC, SI on QoE-Aware Wireless Multimedia Systems in 2012; Guest Editor for Telecommunications System Journal, Springer, SI on QoE in Multimedia Provision in 2010. Her current research interests include multimedia (voice/video/audiovisual) quality assessment, QoS/QoE control and management, VoIP/IPTV and multimedia streaming, network performance characterizations, and multimedia services for emergency communications and eHealthcare.