



Communications QoS, Reliability and Modeling Symposium

Symposium Co-Chairs

Jun-Bo Wang, Southeast Univ, China. jbwang@seu.edu.cn

Kelly Krick, Ericsson, USA, kelly.krick@ericsson.com

Christos Verikoukis, CTTC, Spain, cveri@cttc.es

The 2015 IEEE International Conference on Communications (ICC) will be held in London, UK from 8-12 June 2015. Themed “Smart City & Smart World,” with its proximity to Tech City, the fastest growing technology cluster in Europe, this flagship conference of IEEE Communications Society will feature a comprehensive technical program including twelve Symposia and a number of Tutorials and Workshops. IEEE ICC 2015 will also include an exceptional Industry Forum & Exhibition program including business panels and keynote speakers. We invite you to submit your original technical papers, and industry forum, workshop, and tutorial proposals to this event. Accepted and presented papers will be published in the IEEE ICC 2015 Conference Proceedings and submitted for inclusion in IEEE Xplore®/IEEE Digital Library. Full details of submission procedures are available at <http://www.ieee-icc.org/2015>.

Scope and Topics of Interest

The Communications QoS, Reliability, and Modeling Networking Symposium will covers both theoretical and experimental research on quality of service technologies, and communications service provisioning. Quality of Service (QoS) in communication systems has been a long lasting research focus worldwide. While QoS research for future generations of wired and wireless networks continues to attract much interest, recent exploration of data centers, virtualization, cloud computing, cloud services, industrial communication, and “green” computing has motivated a new wave of research interest in QoS and its related metrics such as Quality of Experience (QoE) and Quality of Protection (QoP). To this end, there is an active multi-disciplinary research in the areas of IT, CSE, Modeling and Simulation with numerous applications in various fields. Furthermore, aimed at a full and detailed discussion of the research issues of dependability as an integrative concept, it covers amongst others availability, safety, confidentiality, integrity, maintainability and security in the different fields of applications.

The Communications QoS, Reliability and Modeling symposium emphasizes advances in the design, resource allocation, traffic control, and performance evaluation required to deliver quality services in the transformed networking infrastructure reliably. The symposium will provide an international technical forum for experts from industry and academia to exchange ideas and present results of ongoing research on the challenging issues related to the requirements, metrics, measurement, management, and dissemination, modeling as well as performance evaluation of emerging network services.

To ensure complete coverage of the advances in this field, the Communications QoS, Reliability, and Modeling

Networking Symposium solicits original contributions in, but not limited to, the following topical areas:

- Quality in Multimedia Networks, including Voice over IP and IPTV
- Quality, Scalability and Performance in the Internet
- Quality and Performance in Wireless and Mobile Networks
- Quality, Reliability and Performance in Optical and Multi-Layer Networks
- Quality and Performance in Autonomic Systems
- Quality and Performance in Grid, Cloud and Distributed Computing
- Quality and Performance in Overlay (including Peer-to-Peer) Networks
- Quality and Performance for Network and Services
- Quality and Resource Allocation for Network Services, VPN, Web
- Quality and Performance in Smart Grids
- Quality and Performance in Energy Efficient Networks
- Quality of Protection (QoP).
- Quality of Experience
- Cryptography, Availability, Reliability and Security, and Database Theory
- Performance Modeling of Next-Generation Networks
- Performance of Large Scale Experimental Platforms
- Scalability, Robustness and Resilience
- Network Performance Evaluation Techniques
- TCP/IP Performance
- Design of Networks and Network Services
- Cross-Layer Design, Modeling and Optimization
- Application/Service Oriented Networking
- Network Simulation Techniques
- Network Virtualization
- System modeling and control
- Information networking
- Network Measurement and Monitoring Techniques
- Resource Allocation for Networks and Their Services
- Traffic and Workload Modeling and Characterization
- Traffic and Workload Control
- Traffic and Network Economics
- Traffic Engineering and Traffic Theory

Submission Guidelines

Prospective authors are invited to submit original technical papers by the deadline 15 October 2014 for publication in the IEEE ICC 2015 Conference Proceedings. 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

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

<https://edas.info/newPaper.php?c=17711>

Co-Chairs Biographies

Jun-Bo Wang received the B.S. degree in computer science from the Hefei University of Technology, Hefei, China, in 2003, and the Ph.D. degree in communications engineering from the National Mobile Communications Research Laboratory, Southeast University, Nanjing, China, in 2008. He is currently an Associate Professor at National Mobile Communications Research Laboratory, Southeast University, China. From October of 2008 to August of 2013, he was with the College of Electronic and Information Engineering, the Nanjing University of Aeronautics and Astronautics, China. From March of 2011 to February of 2013, he was a Postdoctoral Fellow at the National Laboratory for Information Science and Technology, Tsinghua University, Beijing, China. His current research interests are radio resource allocation algorithms, wireless optical communications, signal processing, information theory and coding. He has served as a TPC member for many conferences including IEEE Globecom 2013-2014.

Kelly Krick was born in Mankato, Minnesota, USA in 1959. He received his B.S. degree in electrical engineering from the University of Iowa, Iowa City, Iowa, in 1982. He works for Ericsson and is currently on assignment in Stockholm, Sweden. His work covers the deployment and support for Ericsson's Cloud Solution. In his 30 years with Nortel/Ericsson, Kelly has had roles in engineering, project management, quality and support. He is a Lean Six Sigma Black Belt. Currently, he is the Chair of the Advisory Board for the IEEE ComSoc Technical Committee - Communications Quality and Reliability (CQR). He has previously served as the Chair of CQR in 1999-2000 and again 2012-2013. In 2005, he received Chairman's Award from CQR for contributions in the field of network system quality and bridge building throughout the international community.

Christos Verikoukis received his Ph.D. from the Technical University of Catalonia in 2000. He is currently the Head of the SMARTTECH department at CTTC and he is an adjunct associate professor in the area of ICT for Healthcare at Barcelona University (UB). His area of expertise is in the design of energy efficient layer 2 protocols and Radio Resource Management algorithms, for short-range wireless cooperative and network coded communications. He has published 55 journal papers and over 120 conference papers. He is also the co-author of 2 books, 14 chapters of different books and of 2 patents. Since 2004, he has supervised 15 Ph.D. students and 5 Post-Doctoral researchers. Dr. Verikoukis received the best paper award of the Communication QoS, Reliability & Modeling Symposium (CQRM) symposium in the IEEE ICC'11 conference and the EURASIP 2013 Best Paper Award for the Journal on Advances in Signal Processing. Dr. Verikoukis has participated in more than 30 competitive projects while he has served as the Principal investigator in 3 national projects, as well as the technical manager in 7 Marie-Curie. He was General Chair of the 17th and 18th IEEE Workshop on Computer-Aided Modeling, Analysis, and Design of Communication Links and Networks (CAMAD'12 and IEEE CAMAD'13) and the TPC Co-Chair of the 15th IEEE International Conference on E-health Networking, Application & Services (Helathcom'13). He is currently an officer (the secretary) of the IEEE ComSoc