Communications Software, Services, and Multimedia Applications Symposium

Symposium Co-Chairs

Joel J. P. C. Rodrigues   *Instituto de Telecomunicações, Univ. Beira Interior, Portugal*. Email: joeljr@ieee.org
Luigi Atzori   *University of Cagliari, Italy.* Email: l.atzori@diee.unica.it

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 Software, Services, and Multimedia Applications Symposium covers challenges and advances for service delivery and management in fixed and mobile communication networks. These topics are particularly relevant for researchers, developers, and industries 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, deployment, delivering, and management of services and multimedia applications over diverse platforms and heterogeneous networks. Of particular interest will be the digital media ecosystem, multimedia analysis and (communications related) processing, software systems and protocols for advanced service support, network and service provisioning and management, and next generation services and service delivery platforms. The symposium will follow ICC 2015 instructions for paper submission, review, and session construction. Papers offering novel research contributions in any aspect of Communications Software, Services, and Multimedia are solicited for submission to the symposium.

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

- Quality in services and multimedia applications
    - Quality of Experience (QoE) modelling and metrics
    - Adoption of QoE metrics and models for assessment, control and management of new and emerging multimedia services (e.g. online gaming, social TV, mobile TV, HDTV, 3DTV)
    - Strategies of End-to-End QoE management
    - End-to-End Quality-oriented routing algorithms
    - Video quality assessment and impairment concealment
    - Multimedia QoS provisioning
    - Performance studies of digital media ecosystem
    - QoE in next generation networks

- Multimedia systems and services
    - Multimedia cloud services
    - Web Services and distributed SW technology
    - IMS and multimedia services
    - Home and entertainment digital media ecosystem
    - IPTV service and home networking
    - 2P and P2P-SIP services
    - Triple and Quadruple play services
    - Multimedia streaming, multicast and broadcast services
    - Distributed systems and applications, including Grid Services
    - Location-based services
- Architecture for next generation services
    - Architectures for digital media ecosystem: from producer to consumer
    - Software defined networking
    - Architecture of content generation and adaptation
    - Internet digital media ecosystem
    - Scalable and network-aware digital media solutions
    - Mobile services and platforms
    - Social networking services and platforms
    - Everything-as-a-Service model and delivery platforms
    - Scalable video delivery
    - Peer-to-Peer services, overlay optimization and content delivery
    - Cooperative networking for streaming media content
    - Service overlay networks
    - Convergence of communication and global services
    - Communications software in vehicular communications
    - Home network services and platforms
    - Architectures for cooperative communications and ubiquitous computing
- Service management
    - Business models and economics for digital media ecosystem
    - Security and privacy in network and service management
    - Security and digital right management
    - Scalability and reliability issues
    - Management of service overlay networks
    - Charging, pricing, business models
    - Context awareness and personalization
    - Next generation services and emerging threats
    - Cross-layer optimization for multimedia service support

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
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
https://edas.info/newPaper.php?c=17715

Co-Chairs Biographies

Joel J. P. C. Rodrigues (S'01, M'06, SM'06) is a professor in the Department of Informatics of the University of Beira Interior, Covilhã, Portugal, and researcher at the *Instituto de Telecomunicações*, Portugal. He received a PhD degree in informatics engineering, an MSc degree from the University of Beira Interior, and a five-year BSc degree (licentiate) in informatics engineering from the University of Coimbra, Portugal. His main research interests include sensor networks, e-health, e-learning, vehicular delay-tolerant networks, and mobile and ubiquitous computing. He is the leader of NetGNA Research Group (http://netgna.it.ubi.pt), the Chair of the IEEE ComSoc Technical Committee on eHealth, the Past-chair of the IEEE ComSoc Technical Committee on Communications Software, Member Representative of the IEEE Communications Society on the IEEE Biometrics Council, and officer of the IEEE 1907.1 standard. He is the editor-in-chief of the International Journal on E-Health and Medical Communications, the editor-in-chief of the Recent Advances on Communications and Networking Technology, and editorial board member of several journals, including IEEE Communications Magazine and IEEE Communications Surveys & Tutorials. He has been general chair and TPC Chair of many international conferences. He is a member of many international TPCs and participated in several international conferences organization. He has authored or co-authored over 300 papers in refereed international journals and conferences, a book, and 3 patents. He had been awarded the Outstanding Leadership Award of IEEE GLOBECOM 2010 as CSSMA Symposium Co-Chair and several best papers awards. Prof. Rodrigues is a licensed professional engineer (as senior member), member of the Internet Society, an IARIA fellow, and a senior member of ACM and IEEE.

Luigi Atzori

Luigi Atzori is researcher at the Department of Electrical and Electronic Engineering at the University of Cagliari (Italy) and Research Associate at the Multimedia Communications Laboratory of CNIT (Consorzio Nazionale Interuniversitario per le Telecomunicazioni). Dr. Atzori received his Ph.D. degree in electronic engineering and computer science from the University of Cagliari in 2000. He spent the seven months from November 2003 to May 2004 at the Department of Electrical and Computer Engineering, University of Arizona, as Fulbright Visiting Scholar.

L. Atzori research interests are in multimedia communications and computer networking (wireless and wireline), with emphasis on multimedia QoE, multimedia streaming, NGN service management, service management in wireless sensor networks, architecture and services in the Internet of Things. Recently, he has been involved in projects related to QoS management in NGN networks, context-aware multimedia information provisioning, commissioning and monitoring in wireless sensor networks, architecture for adaptive networked embedded systems. He has published more than 120 journal articles and peer-reviewed conference papers, and has one national patent. His research has been funded by European, national, regional and industrial grants.

L. Atzori is senior member of IEEE (since 2009), co-chair of the IEEE Multimedia Communications Committee (MMTC) and co-chair of the IEEE 1907.1 standard on "Network-Adaptive Quality of Experience (QoE) Management Scheme for Real-Time Mobile Video Communications". He has been the editor for the ACM/Springer Wireless Networks Journal and guest editor for the IEEE Communications Magazine, the Springer Monet Journal and the Elsevier Signal Processing: Image Communications Journal. He is member of the editorial board of the IEEE IoT and the Elsevier Ad Hoc Networks journals. He served as a technical program chair for various international conferences and workshops. He served as a reviewer and panelist for many funding agencies, including FP7, Cost, Italian MIUR and Regional funding agency.