Internet of Things Symposium

Symposium Co-Chairs

Latif Ladid Chair, IEEE COMSOC IOT sub**,** *UL/ IPv6 Forum, Luxembourg*, Email: latif@ladid.lu

Vice Chairs, IEEE COMSOC IOT subCommittee:

Antonio J. Jara *Univ. of Applied Sciences Western Switzerland, Switzerland,* Email: jara@ieee.org

Antonio F. Skarmeta *University of Murcia, Spain,* Email: skarmeta@um.es

Sebastien Ziegler *Mandat International, Switzerland,* Email: skarmeta@um.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

Internet of Things (IoT) is leading to a new dimension of the Internet. IoT is driven by the integration and unification of all communication systems located around us. Thereby, the systems can provide ubiquitous communication & computing with the purpose of defining a new generation of services. This symposium is focused on the extension and integration aspects of the Internet of Things to reach a global access to the services and information from all the existing and emergent technologies through, on the one hand, the so-called Web of Things, and on the other hand, the efficient support for global communications, such as IPv6 network. This will address the issues regarding emerging communication requirements in terms of lightweight versions of IPv6-related protocols, emerging semantics, platforms, and application requirements. The impact in the IoT of the security and privacy requirements will be also taking into account since it is one of the major pending challenges for the IoT. Finally, the definition of new advanced architectures and models for the IoT integration with the Cloud Computing, and Big Data frameworks will be also considered. The Internet of Things Symposium solicits original contributions in, but not limited to, the following topical areas:

- Architectures for the Internet of Things (IPv4, IPv6, 6LoWPAN, RPL. 6TONon-IP, 6lo,..)
- Future technologies bridging the physical and virtual worlds
- End to End / Machine to Machine (M2M) protocols
- Cloud computing and IoT
- Big Data and IoT insight
- Middleware architectures & M2M Platforms
- Web of Things and Semantic technologies for devices and services
- Experiences with Open Platforms and hardware within IoT
- Crowd-sourcing and opportunistic IoT
- User-oriented, context-aware IoT services
- Security, Trust, Privacy and Identity in the IoT
- Efficient resource management (water, energy…) based on IoT
- Building automation and smart buildings based on IoT
- Deployments, test beds and field trials

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=17737&track=57947

Co-Chairs Biographies

Latif LADID is the Chair of the IEEE Communications Society Internet of Things Technical subCommittee. He holds the following positions: President, IPv6 FORUM www.ipv6forum.org, Chair, European IPv6 Task Force www.eu.ipv6tf.org, Emeritus Trustee, Internet Society www.isoc.org, Board Member IPv6 Ready and Enabled Logos Program and Board Member World Summit Award www.wsis-award.org. He is a Senior Researcher at the University of Luxembourg Security and Trust (SnT) www.securityandtrust.lu on multiple European Commission Next Generation Technologies IST Projects. Latif is also a Member of 3GPP PCG (www.3gpp.org), 3GPP2 PCG (www.3gpp2.org), Vice Chair, IEEE ComSoc TCIIN, Member of UN Strategy Council, member of IEC Executive Committee and member of the Future Internet Forum EU Member States, representing Luxembourg.

Antonio J. JARA is an Assistant Professor at University of Applied Sciences Western Switzerland (HES-SO) from Switzerland, vice-chair of the IEEE Communications Society Internet of Things Technical Committee, CTO and founder of the Wearable Computing and Personal Area Networks company HOP Ubiquitous S.L., CTO and co-founder of the Smart Cities company viBrain Solutions, He did his PhD (Cum Laude) at the Intelligent Systems and Telematics Research Group of the University of Murcia (UMU) from Spain. He received two M.S. (Hons. - valedictorian) degrees. The first in Computer Science from UMU in 2009, where Master Thesis explored the "Internet of things in clinical environments", and a second M.S. Computer Science degree dealing with advanced networks and artificial intelligence from UMU in 2010. Master Thesis pertained to "Mobility protocols for 6LoWPAN". He was associated with the Department of Information and Communication Engineering, UMU, since 2007, where he has been working on several projects related to IPv6, WSNs. and RFID applications in building automation and healthcare. He is especially focused on the design and development of new protocols for security and mobility for Future Internet of things, which was the topic of his Ph.D. Nowadays, he continues working on IPv6 technologies for the Internet of Things in projects such as IoT6, and also Big Data and Knowledge Engineering for Smart Cities in collaboration with projects such as SmartSantander. He has also carried out a Master in Business Administration (MBA). He has published over 100 international papers, As well, he holds one patent. Finally, he participates in several Projects about the IPv6, Internet of Things, Smart Cities, and mobile healthcare.

Antonio F. SKARMETA received the M.S. degree in Computer Science from the University of Granada and B.S. (Hons.) and the Ph.D. degrees in Computer Science from the University of Murcia Spain. Since 1993 he is Professor at the same department and University. Antonio F. Skarmeta has work on different research projects in the national and international area, like SWIFT, IoT6 and Openlab. His main interested is in the integration of security services at different layers like networking, management and Internet of Things. He is associate editor of the IEEE SMC-Part B and reviewer of several international journals. He has published over 90 international papers and being member of several program committees.

Sebastien ZIEGLER is the founder and Director general of Mandat International, which is currently coordinating the IoT6 and the IoT Lab European research projects. He graduated in International relations at the Graduate Institute of International Studies in Geneva, followed by a Master in environment, a MBA in international administration with mention very good (HEC Geneva), and complementary executive courses at Harvard Business School in Boston, Stanford University, UC Berkeley and EPFL. Mr. Sébastien founded two foundations supporting the international cooperation, as well as a SME. He is also founding member and board member of the IoT Forum and Vice-Chair of the IEEE ComSoc Subcommittee on the IoT. He initiated several national and international research projects in the area of ICT, with a focus on IPv6 and multiprotocol interoperability. He is currently coordinating two European FP7 research projects: IoT6 on IoT, IPv6 and cloud computing; and IoT Lab on IoT and crowd sourcing. He is participating in other European research projects, including: Hobnet on IPv6 for green buildings and EAR-IT on audio sensing in smart cities and buildings. He organized several international conferences and has been invited to speak in several international forums on IoT, IPv6 and ICT for green.