IEEE GLOBECOM 2016
#IEEEGC16: Freedom through Communications
4-8 December 2016 // Washington, DC USA

IEEE COMMUNICATIONS SOCIETY

Call for Papers for
Wireless Communications Symposium

Scope and Motivation:

The Wireless Communications Symposium covers all aspects related to wireless communications and its applications, with a focus on topics related to physical layer (PHY), MAC layer, cross-layer, and physical layer-related network analysis and design. High quality papers reporting on novel and practical solutions for PHY, MAC, and cross-layer design in wireless communication systems are encouraged. In addition, papers on field tests and measurements, field trials and applications from both industries and academia are of special interest.

Main Topics of Interest:

To ensure complete coverage of the advances in wireless communications technologies for the current and future systems, the Wireless Communications Symposium cordially invites original contributions in, but not limited to, the following topical areas:

- Advanced equalization, channel estimation, and synchronization techniques
- Antennas, smart antennas, and space-time processing
- Broadband wireless access techniques, systems, and standards
- Channel modeling and propagation
- Cross-layer design and physical-layer based network issues
- Device-to-device and machine-to-machine communications
- Digital broadcasting of audio (DAB), video (DVB), and multimedia (MBMS)
- Distributed, relay assisted, and cooperative communications
- Energy harvesting for wireless communications
- Heterogeneous and small-cell networks
- Hybrid communication systems (e.g. satellite/terrestrial/wireline hybrids)
- Interference characterization and applications of stochastic geometry
- Interference management, alignment, and cancellation
- Inter-cell interference coordination (ICIC) and coordinated multi-point (CoMP)
- Localization and navigation techniques
- Maritime, space and underwater communications
- Millimeter wave and Terahertz communications
- MIMO, multi-user MIMO, and massive MIMO
- Modulation, coding, and diversity techniques
- Multiple access techniques and air interfaces (CDMA, TDMA, FDMA, OFDMA)
- OFDM and multi-carrier systems

- Performance analysis of wireless communication systems
- Physical-layer network coding
- Physical-layer security
- Physical-layer aspects of wireless sensor networks
- Radio resource management
- RFID and its applications
- Ultra-wideband (UWB)
- Wireless communications testbeds, field tests, and measurements
- Wireless power transfer

Sponsoring Technical Committees:

- Wireless Communications
- Communication Theory
- Signal Processing and Communications Electronics

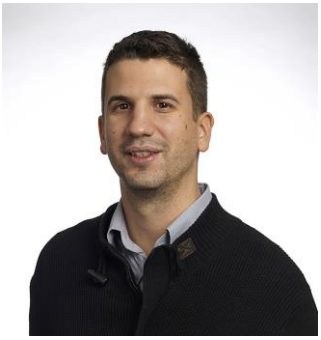
How to Submit a Paper:

The IEEE GLOBECOM 2016 website provides full instructions on how to submit papers. You will select the desired symposium when submitting. **The paper submission deadline is April 1, 2016.**

Symposium Co-Chairs:

- Michail Matthaiou, Queen's University Belfast, U.K., m.matthaiou@qub.ac.uk
- Yiqing Zhou, Chinese Academy of Sciences (ICT/CAS), China, zhouyiqing@ict.ac.cn
- Nader Alagha, European Space Agency, The Netherlands, Nader.Alagha@esa.int
- Shaodan Ma, University of Macau, Macau, shaodanma@umac.mo
- Véronique Veque, Supelec, France, veronique.veque@lss.supelec.fr

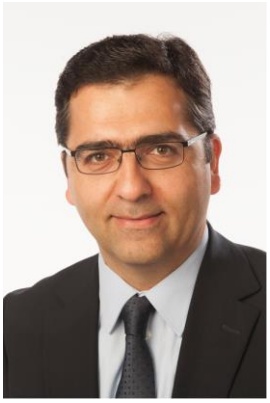
Biographies:



Michail (Michalis) Matthaiou (S'05–M'08–SM'13) received his M.Sc. (with distinction) in Communication Systems and Signal Processing from the University of Bristol, U.K. and Ph.D. degrees from the University of Edinburgh, U.K. in 2005 and 2008, respectively. From September 2008 through May 2010, he was with the Institute for Circuit Theory and Signal Processing, Munich University of Technology (TUM), Germany working as a Postdoctoral Research Associate. He is currently a Senior Lecturer at ECIT Institute, Queen's University Belfast, U.K. after holding an Assistant Professor position at Chalmers University of Technology, Sweden. He has also held research visiting appointments at the University of Wisconsin-Madison, U.S.A. and Linköping University, Sweden. Dr. Matthaiou was the recipient of the 2011 IEEE ComSoc Best Young Researcher Award for the Europe, Middle East and Africa Region and a co-recipient of the 2006 IEEE Communications Chapter Project Prize for the best M.Sc. dissertation in the area of communications. He was co-recipient of the Best Paper Award at the 2014 IEEE International Conference on Communications (ICC) and was an Exemplary Reviewer for IEEE Communications Letters for 2010. In 2014, he received the Research Fund for International Young Scientists from the National Natural Science Foundation of China. He currently serves as an Associate Editor for the IEEE Transactions on Communications and as a Senior Editor for IEEE Communications Letters and was the Lead Guest Editor of the special issue on ``Large-scale multiple antenna wireless systems" of the IEEE Journal on Selected Areas in Communications.

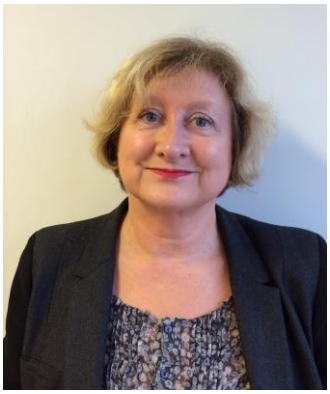
Yiqing Zhou (S'03–M'05–SM'10) received the B.S. and the M.S. degrees from the Southeast University, China, in 1997 and 2000, respectively. In February 2004, she received the Ph.D. degree from the University of Hong Kong, Hong Kong. Now she is a professor in Wireless Communication Research Center, Institute of Computing Technology, Chinese Academy of Sciences. Dr. Zhou has published over

80 papers and three book chapters in the areas of wireless mobile communications. Dr. Zhou is the associate/guest editor for IEEE Trans. Vehicular Technology (TVT), IEEE JSAC (Special issue on "Broadband Wireless Communication for High Speed Vehicles" and "Virtual MIMO"), WCMC, ETT and JCST. She was also the TPC co-chair of ChinaCom2012, symposia co-chair of IEEE ICC2015, symposium co-chair of ICC2014, tutorial co-chair of ICCC2014 and WCNC2013, and the workshop co-chair of SmartGridComm2012 and GlobeCom2011. She received Best Paper Awards from IEEE PIMRC2015, ICCS2014 and WCNC2013. She also received the 2014 Top 15 Editor Award from IEEE TVT.



Nader Alagha received his Ph.D. Degree in Electrical and Computer Engineering from McGill University, Montreal, Canada. In 1999 he joined Space and Technology group at EMS Technologies Canada. From 2004 to 2006 he was a Senior Member of Technical Staff at Advantech Satellite Networks where he was involved in R&D projects related to the interactive satellite networks. Since 2006 he has been with the Electrical Engineering Department of the Technical Directorate at European Space Agency Research and Technology Centre (ESTEC) in The Netherlands. He has been the technical lead of several R&D projects related to broadband satellite system and VHF maritime communications. He has contributed to several standardization technical groups including DVB-S2X and DVB-RCS2. Dr. Alagha is an executive committee member of the IEEE Benelux Chapter on Communications and Vehicular Technology. He served as the General Chair of the ESA workshop on Signal Processing for Space Communications (SPSC) in 2008. He has also been a member of Technical Program Committee of several international conferences including the IEEE GLOBECOM.

Shaodan Ma received her double Bachelor degrees in Science and Economics, and her Master degree in Engineering, from Nankai University, Tianjin, China. She obtained her Ph. D. degree in electrical and electronic engineering from the University of Hong Kong, Hong Kong, in 2006. After graduation, she joined the University of Hong Kong as a Postdoctoral Fellow. Since August 2011, she has been with the University of Macau and is currently an Associate Professor there. She was a visiting scholar in Princeton University in 2010 and is currently an Honorary Assistant Professor in the University of Hong Kong. She has been a member of Technical Program Committee for quite a few IEEE conferences including ICC, GLOBECOM, WCNC, WCSP, ICCS, INFOCOM, etc. She has organized the 2014 International Workshop on Emerging Technologies towards Heterogeneous Wireless Networks and 5G Communications. She was a track co-chair on Fundamentals and PHY in 2015 IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'2015) and a co-chair of Signal Processing for Communications Symposium in 2016 IEEE International Conference on Communications (ICC'2016).



Véronique Veque obtained her PhD degree in communication networks in 1989 from University Pierre et Marie Curie - France. In 1990, she was an Associate Professor at University of Paris-Sud (Paris 11), and in 2000 to present, she worked as a Full Professor at University of Paris-Sud. She is currently a research member of Laboratory of Signals and Systems. Her research interests lie in the field of both wireless, mobile and cellular communication networks with emphasis on vehicular networks, resource allocation, interference mitigation, quality of service techniques, ad hoc routing, multiple access and performance evaluation. She has supervised 13 PhD thesis. She is co-author of a book on high-speed networks and ATM techniques in 1995. She has published more than 110 papers in international journals or conferences.

Véronique Vèque has been involved in the technical program committees of the main conferences in communication and networking, including GLOBECOM, ICC, PIMRC, ISCC, IWCMC, LCN, VTC and WiMOB, and regularly invited to chair some of their sessions. She was co-editor of a special issue on Cognitive Radio of the IEEE Communication Magazine. Véronique Vèque is a Senior Member of the IEEE, IEEE Communications Society, and IEEE Vehicular Society.