Call for Papers

Wireless Networks Track

The 23rd Asia-Pacific Conference on Communications

Perth, Australia, December 11-13, 2017

http://www.apcc2017perth.org/

Track Co-chairs

Koji Yamamoto, Kyoto University, kyamamot@i.kyoto-u.ac.jp
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Scope

The Wireless Networks Track at IEEE APCC 2017 aims to disseminate the latest advances for future generation wireless networks. This track will serve to provide a forum for experts from academia, industry, and government to exchange ideas and new results on research and development. This track invites participation from both academic and industry researchers working in the area of wireless networking technologies, theories, services, architectures, and protocols. Authors are invited to submit high quality papers addressing challenges in the area of wireless networks. The primary topics include, but not limited to:

- Ad hoc and sensor networks
- Cellular networks, 4G/5G and beyond
- LTE, WiMAX, WMAN, and other emerging broadband wireless networks
- Cognitive radio networks, dynamic spectrum access and emerging applications and services
- Free space optical networks
- WLAN, WPAN, and other home/personal networking technologies
- Small cells and femtocell networks
- Heterogeneous and multi-tier wireless networks
- Stochastic geometry analysis of wireless networks
- In-band full duplex networks
- Cooperative networks
- Wireless mesh/ad hoc networks
- Vehicular wireless networks
- mmWave wireless networks

- Software-defined wireless networks
- Pervasive and wearable computing and networking
- Delay tolerant wireless networks
- Underwater wireless networks
- Wireless cloud computing
- Wireless network virtualization
- Reconfigurable wireless networks
- Novel architectural design and operation models
- Wireless multimedia networks
- Information-centric wireless networks
- Social wireless networks
- Machine-to-machine communications
- Internet of things
- End-to-end protocols, flow and congestion control
- Power management and energy conservation techniques in networks
- Wireless power transfer networks
- User cooperation and incentive schemes
- Cross-layer design and optimization
- Fault-tolerance and traffic engineering
- Testbeds and deployment
- Standardization activities of emerging wireless technologies

Important Dates

Paper Submission: 28 July 2017
Acceptance Notification: 31 August 2017
Camera-ready Paper: 30 September 2017
Conference: 11-13 December 2017

Short biography of Track Co-chairs

Koji Yamamoto received the B.E. degree in electrical and electronic engineering from Kyoto University in 2002, and the M.E. and Ph.D. degrees in Informatics from Kyoto University in 2004 and 2005, respectively. From 2004 to 2005, he was a research fellow of the Japan Society for the Promotion of Science (JSPS). Since 2005, he has been with the Graduate School of Informatics, Kyoto University, where he is currently an associate professor. From 2008 to 2009, he was a visiting researcher at Wireless@KTH, Royal Institute of Technology (KTH) in Sweden. His research interests include wireless networks and radio resource management. He received the PIMRC 2004 Best Student Paper Award in 2004, the Ericsson Young Scientist Award in 2006. He also received the Young Researcher's Award, the Paper Award, SUEMATSU-Yasuharu Award from the IEICE of Japan in 2008, 2011, and 2016, respectively, and IEEE Kansai Section GOLD Award in 2012. He served as Secretary of ICC 2011, Demo and Exhibition Chair of

CrownCom 2011, Local Arrangement Chair of APWCS 2012, Special Session Chair of APCC 2013, Local Arrangement Vice Co-chair of APCC 2015, TPC Chair of SmartCom 2016.

Wan Choi received the B.Sc. and M.Sc. degrees from the School of Electrical Engineering and Computer Science (EECS), Seoul National University (SNU), Seoul, Korea, in 1996 and 1998, respectively, and the Ph.D. degree in the Department of Electrical and Computer Engineering at the University of Texas at Austin in 2006. He is currently Associate Professor of School of Electrical Engineering, Korea Advance Institute of Science and Technology (KAIST), Daejeon, Korea. From 1998 to 2003, he was a Senior Member of the Technical Staff of the R&D Division of KT Freetel, Korea, where he researched 3G CDMA systems. Dr. Choi is the recipient of IEEE Vehicular Technology Society Jack Neubauer Memorial Award (Best System Paper Award) in 2002. He also received the IEEE Vehicular Technology Society Dan Noble Fellowship Award in 2006, the IEEE Communication Society Asia Pacific Young Researcher Award in 2007, and the Irwin-Jacobs Award from Qualcomm and KICS in 2015. While at the University of Texas at Austin, he was the recipient of William S. Livingston Graduate Fellowship and Information and Telecommunication Fellowship from Ministry of Information and Communication (MIC), Korea. He is a member of Executive Editor Committee for the IEEE Transactions on Wireless Communications from Dec. 2014 and serves as Associate Editor for the IEEE Transactions on Vehicular Technology and for IEEE Wireless Communications Letters. He also served as Associate Editor for the IEEE Transactions on Wireless Communications (2009-2014) and as Guest Editor for the 5G Wireless Communication System Special issue of the IEEE Journal on Selected Areas in Communications.

Jun Wu received his B.S. degree in Information Engineering and M.S. degree in Communication and Electronic System from XIDIAN University in 1993 and 1996, respectively. He received his Ph.D. degrees in Signal and Information Procesing from Beijing University of Posts and Telecommunications in 1999. Wu joined in Tongji University as a professor in 2010. He had been a Principal Scientist in Huawei and Broadcom before he joined Tongji. His research interests include Wireless Communication, Information Theory, and Signal Processing. He is an associate editor of IEEE Transactions on Multimedia, IEEE Wireless Communications Letters and Wiley Wireless Communications and Mobile Computing Journal. He was Symposium Chair of Communications Software, Services and Multimedia Apps, IEEE GLOBECOM 2016, and Symposium Chair of Wireless Networking and Multimedia, IEEE International Conference of on Computer and Communications (ICCC 2014).