Call for Papers for

Wireless Communications Symposium, IEEE GLOBECOM 2011

Symposium Co-Chairs

Daji Qiao, Iowa State University, USA
Email: daji@iastate.edu

Tony Q.S. Quek, Institute for Infocomm Research, Singapore
Email: qsquek@i2r.a-star.edu.sg

Wei Song, University of New Brunswick, Canada
Email: wsong@unb.ca

Xinbing Wang, Shanghai Jiaotong University, China
Email: xwang8@sjtu.edu.cn

Vincent Wong, University of British Columbia, Canada
Email: vincentw@ece.ubc.ca

Matti Latva-Aho, University of Oulu, Finland
Email: matla@ee.oulu.fi

Scope and Topics of Interest

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

- Modulation, coding, and diversity techniques
- Cognitive radio and software defined radio
- Ultra-wideband communications (UWB)
- MIMO and multi-antenna communications
- Multi-user MIMO
- Space-time coding and processing
- OFDM and multi-carrier systems
- Advanced equalization for single carrier systems
- Smart antennas
- Wireless air interface and link control
- CDMA, TDMA, FDMA, OFDMA air interfaces
- Detection and estimation
- Cross-layer design and physical layer based network Issues
- Security issues related to wireless communications
- Localization techniques
- Distributed multipoint, relay assisted, and cooperative communications
- Wireless communications testbed development
- Field tests and measurements
- Network coding
- Opportunistic spectrum access
- Wireless multicasting
- Hybrid wireless communication systems
- Broadband wireless access techniques
- Physical-layer aspects of wireless LANs and PANs
- Body area networks (BAN) and its applications
- Advances in millimeter wave wireless LANs and PANs
- RFID and its applications
- Physical-layer aspects of cellular networks such as IMT2000, UMTS, LTE, and IMT-Advanced
- DVB and DAB techniques
- Dynamic spectrum access
- Standardizations on wireless systems
- Coexistence in unlicensed spectra
- Radio resource management and interference control
- Fixed wireless broadband access systems
- WPAN applications
- Spectrum efficiency and issues
- Wireless multimedia and QoS
- Multiple access techniques
- Integration between satellite and terrestrial wireless networks
- Interference alignment and cancellation techniques
- Femtocell networks
- Heterogeneous networks
Technical Program Committee (Tentative)

Abdennebi, Marwen, L2TI Laboratory, University of Paris Nord, France
Abedi, Ali, University of Maine, USA
Affes, Sofiene, INRS-EMT, Canada
Ait-Idir, Tarik, INPT, Morocco
Ajib, Wessam, Université du Québec à Montréal, Canada
Akan, Ozgur, Koc University, Turkey
Arslan, Huseyin, University of South Florida, USA
Babich, Fulvio, University of Trieste, Italy
Bahk, Saewoong, Seoul National University, Korea
Bahrami, Hamid, University of Akron, USA
Bassiouni, Mostafa, University of Central Florida, USA
Beaulieu, Norman, University of Alberta, Canada
Besbes, Hichem, Ecole Superieure de Communications de Tunis, Sup'Com TUNISIA, Tunisia
Biagi, Mauro, Sapienza University of Rome, Italy
Buehrer, Michael, Virginia Tech, USA
Cai, Jun, University of Manitoba, Canada
Cano, Alfonso, University of Minnesota, USA
Cao, Jiannong, Hong Kong Polytechnic Univ, Hong Kong
Cao, Lei, The University of Mississippi, USA
Chang, Shih Yu, National Tsing Hua University of Taiwan, Taiwan
Chen, Hongyang, University of Tokyo, Japan
Chen, Hui, Virginia State University, USA
Chen, Minghua, The Chinese University of Hong Kong, P.R. China
Chen, Sheng, University of Southampton, United Kingdom
Chen, Yunfei, University of Warwick, United Kingdom
Cheng, Julian, University of British Columbia, Canada
Chiani, Marco, University of Bologna, Italy
Chien, Feng-Tsun, National Chiao Tung University, Taiwan
Chin, Woon Hau, Toshiba Research Europe Limited, United Kingdom
Cho, Woong, Electronics and Telecommunications Research Institute, Korea
Chu, Xiaoli, King's College London, United Kingdom
Colavolpe, Giulio, University of Parma, Italy
Coon, Justin, Toshiba TRL, United Kingdom
Corazza, Giovanni, University of Bologna, Italy
Dardari, Davide, University of Bologna, Italy
Dawy, Zaher, American University of Beirut, Lebanon
Dharmawansa, Prathapasinghe, Hong Kong University of Science and Technology, Hong Kong
Di Renzo, Marco, French National Center for Scientific Research (CNRS), France
Ding, Wei, Austin Peay State University, USA
Dinis, Rui, ISR-IST, Technical University of Lisbon, Portugal
Dong, Xiaodai, University of Victoria, Canada
Efthymoglou, George, University of Piraeus, Greece
Erkucuk, Serhat, Kadir Has University, Turkey
Erseghe, Tomaso, University of Padova, Italy
Ferrari, Gianluigi, University of Parma, Italy
Foerster, Jeffrey, Intel Corporation, USA
Fouchal, Hacene, Université de Reims Champagne-Ardenne, France
Fu, Liqun, The Chinese University of Hong Kong, Hong Kong
Fu, Shengl, University of North Texas, USA
Gerstacker, Wolfgang, University of Erlangen-Nuernberg, Germany
Govindaswamy, Victor, M University, USA
Gulliver, T. Aaron, University of Victoria, Canada
Gursoy, M. Cenk, University of Nebraska-Lincoln, USA
Haardt, Martin, Ilmenau University of Technology, Germany
Han, Zhu, University of Houston, USA
He, Jianhua, Swansea University, United Kingdom
Ho, Paul, Simon Fraser University, Canada
Hong, Liang, Tennessee State University, USA
Hong, Yao-Win Peter, National Tsing Hua University, Taiwan
Hong, Zhihong, Communications Research Centre, Canada
Huang, Chiachi, Yuan Ze University, Taiwan
Huang, Yueh-Min, National Cheng Kung University, Taiwan
Hwang, Taewon, Yonsei University, Korea
Im, Gi-Hong, POSTECH, Korea
Juntti, Markku, University of Oulu, Finland
Kaiser, Stefan, DOCOMO Euro-Labs, Germany
Kam, Pooi-Yuen, National University of Singapore, Singapore
Karagiannidis, George, Aristotle University of Thessaloniki, Greece
Kim, Dong In, Sungkyunkwan University, Korea
Kim, Sang Wu, Iowa State University, USA
Kim, Seong-Lyun, Yonsei University, Korea
Kobbane, Abdellatif, ENSIAS, University Mohmmed V-Souissi, Morocco
Kountouris, Marios, Supélec, France
Krzymień, Witold, University of Alberta / TRLabs, Canada
Li, Husheng, University of Tennessee, USA
Li, Ying, Princeton University, USA
Li, Yonghui, University of Sydney, Australia
Li, Zongpeng, University of Calgary, Canada
Liang, Ying-Chang, Institute for Infocomm Research, Singapore
Lin, David, National Chiao Tung University, Taiwan
Lin, Hai, Osaka Prefecture University, Japan
Liu, Jiangchuan, Simon Fraser University, Canada
Liu, Youjian (Eugene), University of Colorado at Boulder, USA
Lok, Tat, The Chinese University of Hong Kong, Hong Kong
Loskot, Pavel, Swansea University, United Kingdom
Love, David, Purdue University, USA
Loyka, Sergey, University of Ottawa, Canada
Lu, Kejie, University of Puerto Rico at Mayaguez, Puerto Rico
Ma, Huadong, Beijing University of Posts and Telecommunications, P.R. China
Maaref, Amine, Mitsubishi Electric Research Laboratories, USA
Magarini, Maurizio, Politecnico di Milano, Italy
Mallik, Ranjan, Indian Institute of Technology - Delhi, India
Mao, Xingpeng, Harbin Institute of Technology, P.R. China
Martin, Philippa, University of Canterbury, New Zealand
Masini, Barbara, IEIIT-CNR, Italy
Matthaiou, Michail, Chalmers University of Technology, Sweden
Mazuelas, Santiago, Massachusetts Institute of Technology (LIDS), USA
Mehta, Neellesh, Indian Institute of Science, India
Minn, Hlaing, University of Texas at Dallas, USA
Misic, Jelena, Ryerson University, Canada
Mohan, Seshadri, University of Arkansas at Little Rock, USA
Mohsenian-Rad, Hamed, Texas Tech University, USA
Moser, Stefan, National Chiao Tung University (NCTU), Taiwan
Moustafa, Mohamed, Akhbar El Yom Academy, Egypt
Mucchi, Lorenzo, University of Florence, Italy
Muhaidat, Sami, Simon Fraser University, Canada
Munasinghe, Kumudu, University of Sydney, Australia
Murata, Hidekazu, Kyoto University, Japan
Nguyen, Ha, University of Saskatchewan, Canada
Ochiai, Hideki, Yokohama National University, Japan
Ou, Shumao, Oxford Brookes University, United Kingdom
Oyman, Ozgur, Intel Corporation, USA
Pack, Sangheon, Korea University, Korea
Papapetrou, Evangelos, University of Ioannina, Greece
Peng, Mugen, Beijing University of Posts & Telecommunications, P.R. China
Piao, Dazhi, Communication University of China, P.R. China
Prasad, Anand, NEC Corporation, Japan
Qiu, Robert, Tennessee Tech University, USA
Rabbachin, Alberto, Joint Research Centre, European Commission, Italy
Radaydeh, Redha, KAUST, Saudi Arabia
Rodrigues, Joel, University of Beira Interior, Portugal
Rugini, Luca, University of Perugia, Italy
Sadler, Brian, Army Research Laboratory, USA
Santucci, Fortunato, University of L’Aquila, Italy
Serpentin, Erchin, Texas A&M University, USA
Shen, Lianfeng, National Mobile Communications Research Laboratory, Southeast University, P.R. China
Shen, Yuan, Massachusetts Institute of Technology, USA
Shin, Hyundong, Kyung Hee University, Korea
Sun, Hongxia, University of Calgary, Canada
Sung, Youngchul, KAIST, Korea
Suraweera, Himal, National University of Singapore, Singapore
Swain, Akshya, University of Auckland, New Zealand
Sykora, Jan, Czech Technical University in Prague, Czech Republic
Tan, Chee Wei, City University of Hong Kong, Hong Kong
Tao, Meixia, Shanghai Jiao Tong University, P.R. China
Tellambura, Chinthu, University of Alberta, Canada
Tralli, Velio, University of Ferrara - Italy, Italy
Tsimenidis, Charalamplos, Newcastle University, United Kingdom
Tugcu, Tuna, Bogazici University, Turkey
Ulukus, Sennur, University of Maryland, USA
Uysal, Murat, University of Waterloo, Canada
Vitetta, Giorgio M., University of Modena and Reggio Emilia, Italy
Vosoughi, Azadeh, University of Rochester, USA
Vuran, Mehmet, University of Nebraska-Lincoln, USA
Wang, Bin, Wright State University, USA
Wang, Chonggang, InterDigital Communications, USA
Wang, Jianfeng, Philips Research, USA
Wang, Ping, Nanyang Technological University, Singapore
Wang, Tsang-Yi, National Sun Yat-sen University, Taiwan
Wang, Wei, South Dakota State University, USA
Wang, Weiwei, University of Manitoba, Canada
Wang, Xianbin, University of Western Ontario, Canada
Wang, Zhaocheng, Tsinghua University, P.R. China
Wei, Shuangqing, Louisiana State University, USA
Wichman, Risto, Aalto university school of science and Technology, Finland
Wong, Kai Kit, University College London, United Kingdom
Wong, Kainam Thomas, Hong Kong Polytechnic University, Hong Kong
Wong, Wing, Chinese University of Hong Kong, P.R. China
Wu, Hsiao-Chun, Louisiana State University, USA
Wu, Kui, University of Victoria, Canada
Wymeersch, Henk, Chalmers University of Technology, Sweden
Xiao, Jiangwen, Huazhong University of Science and Technology, P.R. China
Xin, Qin, Simula Research Laboratory, Norway
Xin, Yan, NEC Laboratories America Inc., USA
Xu, Zhemin, Broadcom Corporation, USA
Xu, Zhengyuan, University of California, Riverside, USA
Yahya, Bashir, University of Versailles, France
Yang, Chenyang, Beihang University, P.R. China
Yang, Hong-Chuan, University of Victoria, Canada
Yang, Kai, Columbia University, USA
Yang, Kun, University of Essex, United Kingdom
Yang, Li, University of Southampton, United Kingdom
Yang, Liuqing, Colorado State University, USA
Yanhuai, Lu, Zhengzhou University, P.R. China
Yi, Yung, KAIST (Korea Advanced Institute of Science and Technology), Korea
Yue, Guosen, NEC Laboratories America, Inc., USA
Zanella, Alberto, IEIIT, Italy
Zhang, Liang, Communications Research Centre Canada, Canada
Zhang, Rui, Institute of Infocomm Research, Singapore
Zhang, Wei, University of New South Wales, Australia
Zhang, Wei-Yi, North Dakota State University, USA
Zhang, Xiaoxin (Christine), Peking University, USA
Zhang, Yan, Simula Research Laboratory and University of Oslo, Norway
Zhang, Ying Jun (Angela), The Chinese University of Hong Kong, Hong Kong
Zhao, Dongmei, McMaster University, Canada
Zhao, Xinsheng, Southeast University, P.R. China
Zhou, Shengli, University of Connecticut, USA
Zhu, Xu, University of Liverpool, United Kingdom