

# Call for Papers

## IEEE GLOBECOM 2012 - Wireless Networking Symposium

### Symposium Co-chairs

Dr. Jiang (Linda) Xie, University of North Carolina-Charlotte, USA  
Email: linda.xie@uncc.edu

Dr. Walaa Hamouda, Concordia University, Canada  
Email: hamouda@ece.concordia.ca

Dr. Yusheng Ji, National Institute of Informatics, Japan  
Email: kei@nii.ac.jp

Dr. Mohammed Atiquzzaman, University of Oklahoma, USA  
Email: atiq@ou.edu

### Scope of the Symposium

Wireless networks are expected to encompass heterogeneous access technologies and the Internet backbone for providing services to both mobile and stationary users. It poses significant technical challenges to enable broadband wireless access with seamless and ubiquitous coverage and Quality-of-Service (QoS) provisioning. The objective of this symposium is to serve as an international forum for experts from academia, industry, and government to exchange ideas and results on research and developments, as well as to promote and accelerate standardization, applications, and services of current and future wireless networks. Prospective authors are invited to submit original contributions on all aspects of wireless networks, applications, and services, including, but not limited to the following topics of interest. Please note that this Symposium covers higher layers of the network protocol stack, although papers on cross-layer design/optimization are welcome. Therefore, papers solely related to radio communications and the physical layer should be submitted to other relevant symposia of IEEE GLOBECOM 2012.

### List of Topics

- Cellular systems, 2G/2.5G/3G/4G and beyond
- WiMAX, LTE, WMAN, and other emerging broadband wireless networks
- Networking issues in WLAN, WPAN, and other home/personal networking technologies
- Body-based wireless networks
- Pervasive and wearable computing
- Wireless networks for underwater and UAVs communications
- Delay tolerant wireless networks
- Wireless mesh networks

- Vehicular wireless networks
- Smart grid networks
- Cloud computing and data center networking
- Wireless Internet and mobile IP
- Inter-networking and integration of wireless heterogeneous and multi-tier networks
- Multimode wireless networks
- Reconfigurable wireless networks
- Novel architectural design and operation models
- Service-centric and overlay networks
- Peer-to-peer wireless networks
- Self-organizing network
- Wireless multimedia networks
- Location- and context-aware services
- End-to-end protocol, flow and congestion control
- Routing and multicasting protocols
- Resource management and admission control
- Mobility, handoff, and location management
- Power management and control
- Energy conservation techniques
- User cooperation and incentive schemes
- Cross-layer design and optimization
- Performance analysis and QoS provisioning
- Network planning, capacity analysis, and topology control
- Monitoring, network measurement, and network management schemes
- Fault-tolerance and traffic engineering
- Pricing and billing modeling and solutions
- Testbeds and deployment
- Standardization activities of emerging wireless technologies

### **Technical Program Committee (TBD)**

Hossam	Afifi	Institut Telecom	France
Dharma	Agrawal	University of Cincinnati	USA
Toufik	Ahmed	University of Bordeaux-1 / CNRS-LaBRI	France
Salma	Ait Fares	Ultra Electronics Maritime Systems	Canada
Ala	Al-Fuqaha	Western Michigan University	USA
Bader	Al-Manthari	Information Technology Authority (ITA)	Oman
Habib M.	Ammari	University of Michigan-Dearborn	USA
Antonios	Argyriou	University of Thessaly	Greece
Alireza	Babaei	Auburn University	USA
Soshant	Bali	IIIT Delhi	USA
Tuncer	Baykas	National Institute of Information and Communications Technology	Japan

Anass	Benjebbour	NTT DoCoMo, Inc.	Japan
Carlos	Bernardos	Universidad Carlos III de Madrid	Spain
Lin	Cai	Princeton University	USA
Zhijun	Cai	Research In Motion	USA
Carlo	Caini	University of Bologna	Italy
Marcello	Caleffi	University of Naples "Federico II"	Italy
Periklis	Chatzimisios	Alexander TEI of Thessaloniki	Greece
Hongyang	Chen	Fujitsu Laboratories Limited	Japan
Hui	Chen	Virginia State University	USA
Jiming	Chen	Zhejiang University	P.R. China
Jyh-Cheng	Chen	National Chiao Tung University	Taiwan
Wei-Peng	Chen	Fujitsu Laboratories of America	USA
Yuanzhu	Chen	Memorial University of Newfoundland	Canada
Maggie	Cheng	Missouri University of Science and Technology	USA
Yu	Cheng	Illinois Institute of Technology	USA
Carla-Fabiana	Chiasserini	Politecnico di Torino	Italy
Sunghyun	Choi	Seoul National University	Korea
Young-June	Choi	Ajou University	Korea
Chun Tung	Chou	University of New South Wales	Australia
Xiaowen	Chu	Hong Kong Baptist University	Hong Kong
Felipe	Cruz-Pérez	Cinvestav-IPN	Mexico
Iyad	Dayoub	University Lille Nord de France	France
Tomaso	De Cola	German Aerospace Center (DLR)	Germany
Antonio	de la Oliva	Universidad Carlos III de Madrid	Spain
Floriano	De Rango	University of Calabria	Italy
Jing	Deng	University of North Carolina at Greensboro	USA
Mehrdad	Dianati	University of Surrey	United Kingdom
Qinghe	Du	Xi'an Jiaotong University	P.R. China
Qiang	Duan	The Pennsylvania State University	USA
Arjan	Durresi	Indiana University Purdue University Indianapolis	USA
Hanaa	Ebrahim	National Telecom. Institute	Egypt
Shih-Hau	Fang	Yuan Ze University	Taiwan
Xuming	Fang	Southwest Jiaotong University	P.R. China
Lorenzo	Favalli	University of Pavia	Italy
Emad	Felemban	Umm Al Qura University	Saudi Arabia
Zhiyong	Feng	Beijing University of Posts and Telecommunications	P.R. China
Gianluigi	Ferrari	University of Parma	Italy
John	Fitzpatrick	NEC Laboratories Europe	Germany
Gabor	Fodor	Ericsson Research	Sweden
Mostafa	Fouda	Tohoku University	Japan
Shengli	Fu	University of North Texas	USA
Haris	Gacanin	Alcatel-Lucent Bell N.V.	Belgium
Weihua	Gao	Qualcomm Inc.	USA

Ana	Garcia Armada	Universidad Carlos III de Madrid	Spain
George	Gardikis	NCSR 'Demokritos'	Greece
Rosario	Garroppo	University of Pisa	Italy
Thierry	Gayraud	LAAS-CNRS, Université de Toulouse	France
Yacine	Ghamri-Doudane	ENSIIE & Université Paris-Est (LIGM Lab)	France
Sahar	Ghazal	University of Versailles	France
Michelle	Gong	Intel	USA
Alberto	Gonzalez	Universidad Politecnica de Valencia	Spain
Javier	Gozalvez	Universidad Miguel Hernandez de Elche	Spain
Yu	Gu	National Institute of Informatics	Japan
Mesut	Günes	FU Berlin	Germany
Yassine	Hadjadj-Aoul	University of Rennes 1	France
Zeeshan	Hameed Mir	Electronics & Telecommunications Research Institute (ETRI)	Korea
Shuangchi	He	Georgia Institute of Technology	USA
Xiaoyan	Hong	University of Alabama	USA
Hung-Yun	Hsieh	National Taiwan University	Taiwan
Cheng-Hsin	Hsu	National Tsing Hua University	Taiwan
Honglin	Hu	Shanghai Research Center for Wireless Communications	P.R. China
Rose Qingyang	Hu	Utah State University Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences	USA P.R. China
Xiaoxia	Huang	Academy of Sciences	P.R. China
Sajid	Hussain	Fisk University	USA
Antonio	Iera	University Mediterranea of Reggio Calabria	Italy
Sassan	Iraji	Nokia	Finland
Youssef	Iraqi	Khalifa University	UAE
Teerawat	Issariyakul	TOT Public Company Limited	Thailand
Minoru	Ito	Nara Institute of Science and Technology	Japan
Hongkyu	Jeong	Kyungil University	Korea
Hai	Jiang	University of Alberta	Canada
Hongbo	Jiang	Huazhong University of Science and Technology	P.R. China
Yuming	Jiang	Norwegian University of Science and Technology (NTNU)	Norway
Sunggeun	Jin	ETRI	USA
Changhee	Joo	UNIST	Korea
Ahmed	Kamal	Iowa State University	USA
Hyoil	Kim	Ulsan National Institute of Science and Technology (UNIST)	Korea
Kyu-Han	Kim	Hewlett-Packard Laboratories	USA
Kyungtae	Kim	NEC Labs America, Inc.	USA
Markku	Kojo	University of Helsinki	Finland
Sastry	Kompella	Naval Research Laboratory	USA
Adlen	Ksentini	University of Rennes 1 / IRISA Lab	France
Wei-Shinn	Ku	Auburn University	USA
Abderrahmane	Lakas	UAEU	UAE
Kaddar	Lamia	University of Versailles Saint Quentin	France

Zhou	Lan	National Institute of Information and Communications Technology	Japan
Peter	Langendoerfer	IHP Microelectronics	Germany
Jang-Won	Lee	Yonsei University	Korea
Alessandro	Leonardi	AGT Group (R&D) GmbH	Germany
Victor	Leung	The University of British Columbia	Canada
Changle	Li	Xidian University	P.R. China
Cheng	Li	Memorial University of Newfoundland	Canada
Haopeng	Li	University of North Carolina at Charlotte	USA
Husheng	Li	University of Tennessee	USA
Jie	Li	University of Tsukuba	Japan
Ming	Li	California State University	USA
Xiaochen	Li	Stevens Institute of Technology	USA
Xiaohua (Edward)	Li	State University of New York at Binghamton	USA
Yingshu	Li	Georgia State University	USA
Yunxin (Jeff)	Li	NICTA	Australia
Qilian	Liang	University of Texas at Arlington	USA
Alvin	Lim	Auburn University	USA
Tsungnan	Lin	National Taiwan University	Taiwan
Benyuan	Liu	University of Massachusetts Lowell	USA
Guanglei	Liu	Roane State Community College	USA
Jiangchuan	Liu	Simon Fraser University	Canada
Pei	Liu	Polytechnic Institute of New York University	USA
Zhengye	Liu	Polytechnic University	USA
Zikuan	Liu	Universite de Moncton	Canada
Kejie	Lu	University of Puerto Rico at Mayaguez	Puerto Rico
Haiyan	Luo	Cisco Systems	USA
	M. Y. Sanadidi	University of California, Los Angeles	USA
Maode	Ma	Nanyang Technological University	Singapore
Saida	Maaroufi	Ecole Polytechnique de Montréal	Canada
Dario	Maggiorini	University of Milano	Italy
Toktam	Mahmoodi	King's College London	United Kingdom
David	Malone	NUI Maynooth	Ireland
Vincenzo	Mancuso	Institute IMDEA Networks	Spain
Jukka	Manner	Aalto University	Finland
Shiwen	Mao	Auburn University	USA
Gianluca	Mazzini	University of Ferrara	Italy
Janise	McNair	University of Florida	USA
Ahmed	Meddahi	Institut Telecom/Telecom Lille 1	France
Ahmed	Mehaoua	University of Paris Descartes	France
Tommaso	Melodia	State University of New York at Buffalo	USA
Michela	Meo	Politecnico di Torino	Italy
Madjid	Merabti	Liverpool John Moores University	United Kingdom

Enzo	Mingozzi	University of Pisa	Italy
Jelena	Mišić	Ryerson University	Canada
Vojislav	Mišić	Ryerson University	Canada
Seshadri	Mohan	University of Arkansas at Little Rock	USA
Giacomo	Morabito	University of Catania	Italy
Hassan	Moradi	University of Oklahoma	USA
Mohamed	Moustafa	Arab Information Union	Egypt
Amitava	Mukherjee	IBM India Pvt Ltd, Calcutta	India
Brendan	Mumey	Montana State University	USA
Kumudu	Munasinghe	University of Sydney	Australia
Gabriel-Miro	Muntean	Dublin City University	Ireland
John	Murphy	University College Dublin	Ireland
Liam	Murphy	University College Dublin	Ireland
Hamid	Nafaa	University College Dublin	Ireland
Vinod	Namboodiri	Wichita State University	USA
Maitreya	Natu	Tata Research Development and Design Center	India
Nam Tran	Nguyen	University of Saskatchewan	Canada
Qiang	Ni	Brunel University	United Kingdom
Hong	Nie	University of Northern Iowa	USA
Seong-Jun	Oh	Korea University	Korea
Tae (Tom)	Oh	Rochester Institute of Technology	USA
Feng	Ouyang	Johns Hopkins University / Applied Physics Lab	USA
Sangheon	Pack	Korea University	Korea
Evangelos	Papapetrou	University of Ioannina	Greece
Kyung-Joon	Park	DGIST	Korea
Fotini-Niovi	Pavlidou	Aristotle University of Thessaloniki	Greece
Tommaso	Pecorella	Università di Firenze	Italy
Dirk	Pesch	Cork Institute of Technology	Ireland
Robert	Piechocki	University of Bristol	United Kingdom
Satya Prakash	Ponnaluri	Intelligent Automation, Inc.	USA
Ioannis	Psaras	University College London	United Kingdom
Lijun	Qian	Prairie View A&M University	USA
Dongyu	Qiu	Concordia University	Canada
Abderrezak	Rachedi	University Paris-Est Marne-la-Vallée	France
Channasandra	Ravishankar	Hughes Network Systems	USA
Peter	Reiher	UCLA	USA
Kui	Ren	Illinois Institute of Technology	USA
Michele	Rossi	University of Padova	Italy
Humphrey	Rutagemwa	Communications Research Centre (CRC) Canada	Canada
Harri	Saarnisaari	Centre for Wireless Communications	Finland
Oriol	Sallent	Universitat Politècnica de Catalunya	Spain
Nurul	Sarkar	Auckland University of Technology	New Zealand
Sandro	Scalise	DLR (German Aerospace Center)	Germany

Gregor	Schiele	University of Mannheim	Germany
Patrick	Seeling	Central Michigan University	USA
Debarati	Sen	Chalmers University of Technology	Sweden
Pablo	Serrano	Universidad Carlos III de Madrid	Spain
Abdallah	Shami	The University of Western Ontario	Canada
Hamid	Sharif	University of Nebraska-Lincoln	USA
Sushant	Sharma	Brookhaven National Laboratory	USA
Yanming	Shen	Dalian University of Technology	P.R. China
Minghui	Shi	Communications Research Centre	Canada
Yi	Shi	Virginia Tech	USA
Stephan	Sigg	TU Braunschweig	Germany
Vasilios	Siris	ICS-FORTH / Athens University of Economics and Business	Greece
Harry	Skianis	University of the Aegean	Greece
Inkeun	Son	DAPA	Korea
Wei	Song	University of New Brunswick	Canada
Yi	Song	University of North Carolina at Charlotte	USA
Boon Hee	Soong	Nanyang Technological University	Singapore
Ignacio	Soto	Universidad Politécnica de Madrid	Spain
Aaron	Striegel	University of Notre Dame	USA
Hang	Su	Qualcomm	USA
Xin	Su	Tsinghua University	P.R. China
Zhili	Sun	University of Surrey	United Kingdom
Yahia	Tachwali	Agilent Technologies- R&D	USA
Abd-Elhamid	Taha	Alfaisal University	Saudi Arabia
Jian	Tang	Syracuse University	USA
Atikan	Teber	Case Western Reserve University	USA
Xiaohua	Tian	Shanghai Jiaotong University	P.R. China
Petia	Todorova	Fraunhofer-FOKUS	Germany
Duc	Tran	UMass Boston	USA
Véronique	Vèque	University of Paris-Sud 11	France
Félix	Villanueva	University of Castilla-La Mancha	Spain
Vasileios	Vitsas	TEI Thessaloniki	Greece
Haris	Volos	Virginia Tech	USA
Akkari	Wafa	ENSI University of Manouba	Tunisia
Chonggang	Wang	InterDigital Communications	USA
Dandan	Wang	Alcatel-Lucent	USA
Honggang	Wang	University of Massachusetts, Dartmouth	USA
Ju	Wang	Virginia State University	USA
Junyi	Wang	NICT	Japan
Lei	Wang	Dalian University of Technology	P.R. China
Liping	Wang	Royal Institute of Technology	Sweden
Ping	Wang	Nanyang Technological University	Singapore
Pu	Wang	Georgia Institute of Technology	USA

Qiang	Wang	Lehigh University	USA
Sherry	Wang	Johns Hopkins University Applied Physics Lab	USA
Tianqi	Wang	Qualcomm Inc.	USA
Weichao	Wang	University of North Carolina at Charlotte	USA
Wenye	Wang	NC State University	USA
Xin	Wang	Florida Atlantic University	USA
Xinbing	Wang	Shanghai Jiaotong University	P.R. China
Xudong	Wang	Teranovi Technologies, Inc.	USA
Yu	Wang	University of North Carolina at Charlotte	USA
Vijitha	Weerackody	Johns Hopkins University/APL	USA
Richard	Wolff	Montana State University	USA
Vincent	Wong	University of British Columbia	Canada
Dalei	Wu	Massachusetts Institute of Technology	USA
Hongyi	Wu	University of Louisiana at Lafayette	USA
Jingxian	Wu	University of Arkansas	USA
Kui	Wu	University of Victoria	Canada
Shaoen	Wu	University of Southern Mississippi	USA
Shaohua	Wu	Harbin Institute of Technology	P.R. China
Liang	Xiao	Xiamen University	P.R. China
Qin	Xin	Université Catholique de Louvain	Belgium
Naixue	Xiong	Georgia State University, US	USA
Ke	Xu	Tsinghua University	P.R. China
Lisong	Xu	University of Nebraska-Lincoln	USA
Guoliang	Xue	Arizona State University	USA
Kun	Yang	University of Essex	United Kingdom
Emre	Yavuz	Royal Institute of Technology (KTH)	Sweden
Chunxuan	Ye	InterDigital Communications, LLC	USA
Joon	Yoo	Bell Labs, Alcatel-Lucent	Korea
Homayoun	Yousefi'zadeh	University of California, Irvine	USA
F. Richard	Yu	Carleton University	Canada
Melda	Yuksel	TOBB University of Economics and Technology	Turkey
George	Zaggoulos	University of Cyprus	Cyprus
Frank	Zdarsky	NEC Europe Ltd.	Germany
Hans-Juergen	Zepernick	Blekinge Institute of Technology	Sweden
Jiucui	Zhang	University of Nebraska-Lincoln	USA
Liqiang	Zhang	Indiana University South Bend	USA
Ruonan	Zhang	Northwestern Polytechnical University	P.R. China
Yan	Zhang	Simula Research Laboratory and University of Oslo	Norway
Zhaoyang	Zhang	Zhejiang University	P.R. China
Lian	Zhao	Ryerson University	Canada
Youping	Zhao	Shared Spectrum Company	USA
Jun	Zheng	Southeast University	P.R. China
Liang	Zhou	Technical University of Munich	Germany



Ping  
Yiqing  
Yuezhi  
Weihua  
Anatolij

Zhou  
Zhou  
Zhou  
Zhuang  
Zubow

Qualcomm  
Chinese Academy of Science  
Tsinghua University  
University of Waterloo  
Humboldt University Berlin

USA  
P.R. China  
P.R. China  
Canada  
Germany