

IEEE GLOBECOM 2012

Communication Software, Services, and Multimedia Symposium (CSSM)

Scope and Motivation

The Communications Software, Services and Multimedia Symposium provides an international technical forum for presenting and discussing recent research advances on various aspects related to software, services, and multimedia communications. The symposium aims at bringing together experts from industry, academia and government to exchange ideas and present results that advance the state-of-the-art and overcoming research obstacles on the challenging issues related to software design and system deployment of services over heterogeneous networks, as well as multimedia services, applications, and communication systems. Original research papers are solicited that present theories, techniques, applications, or practical experiences related to these aspects.

For details about submission policy, submission deadline, paper format, and on-line submission procedures, please visit the IEEE GLOBECOM 2012 website.

Main Topics of Interest

Network and Service Management and Provisioning

- Multimedia QoS provisioning
- Quality of Experience for rich communication services
- End-to-End quality of service routing algorithms
- Service creation, delivery, management
- Network management
- Virtual home environment
- Charging, pricing, business Models
- Triple play services
- Security and privacy in network and service management
- Virtualization management
- Cooperative networking for streaming media content

Next Generation Services and Service Platforms

- Mobile services and service platforms including IMS
- Home network service platform
- VoP2P and P2P-SIP services
- Converged application/communication servers and services
- Location-based services
- Social networking communication services
- Advanced communication services and feature interaction

Multimedia Applications and Services Including Rich Communication Services, VoIP, IPTV, Gaming

- Multimedia delivery over wired and wireless networks

- Distributed Visualization or rendering over wired and wireless networks
- Cross-layer optimization for multimedia service support
- Multicast, broadcast and IPTV
- Advanced media streaming, including interactive video, 3D video, and free-viewpoint TV
- Peer-to-Peer multimedia distribution services
- Scalability and reliability issues by multimedia applications
- Video quality assessment for streaming media
- Loss/error resilient tools and concealment strategies for media streaming

Software and Protocol Technologies for Advanced Service Support

- Ubiquitous computing services and applications
- Networked autonomous systems
- Communications software in vehicular communications
- Web services and distributed software technology
- Distributed systems and applications, including Grid and cloud computing services
- Peer-to-Peer technologies for communication services
- Service overlay networks
- Context awareness and personalization

Symposium Co-Chairs

Shiwen Mao	Auburn University, USA	smao2011@gmail.com
Gene Cheung	National Institute of Informatics, Japan	cheung@nii.ac.jp
Brice Augustin	University of Paris Est Créteil, France	brice.augustin@u-pec.fr
Lisandro Zambenedetti Granville	UFRGS, Brazil	granville@inf.ufrgs.br

Technical Program Committee

Nadjib Achir	University of Paris 13	France
Koichi Adachi	Institute for Infocomm Research (I2R)	Singapore
Eric Addeo	DeVry University	USA
Nadjib Aitsaadi	University of Paris Est Créteil	France
Emilio Ancillotti	Italian National Research Council	Italy
Antonios Argyriou	University of Thessaly	Greece
Luigi Atzori	University of Cagliari	Italy
Brice Augustin	University of Paris Est Créteil	France
Alireza Babaei	Auburn University	USA
Ivan Bajic	Simon Fraser University	Canada
Ataul Bari	University of Western Ontario	Canada
Ali Begen	Cisco	Canada
Tarek Bejaoui	Mediatron Lab., Carthage University	Tunisia
Mehdi Bezahaf	Lancaster University	United Kingdom
Salim Bitam	Mohamed Khider University of Biskra	Algeria
Mathias Boc	CEA	France

Thomas Michael Bohnert	NGINET	Switzerland
Azzedine Boukerche	University of Ottawa	Canada
Marcus Brunner	NEC Europe Ltd.	Germany
Paolo Buccioli	French-Mexican Laboratory of Informatics and Automatic Control	Mexico
John Buford	Avaya Labs Research	USA
Roberto Canonico	University of Napoli Federico II	Italy
Shih Yu Chang	National Tsing Hua University of Taiwan	Taiwan
Christophe Chassot	LAAS/CNRS	France
Chang Wen Chen	State University of New York at Buffalo	USA
Eric Chen	NTT Corporation	Japan
Hui Chen	Virginia State University	USA
Ken Chen	University of Paris 13	France
Kuan-Ta Chen	Academia Sinica	Taiwan
Yishuai Chen	Graduate University of the Chinese Academy of Sciences	P.R. China
Zhenzhong Chen	Nanyang Technological University	Singapore
Zhifeng Chen	InterDigital Communications, LLC	USA
Gene Cheung	National Institute of Informatics	Japan
Naveen Chilamkurti	La Trobe University	Australia
Pei-Jung Chung	University of Edinburgh	United Kingdom
Noelia Correia	University of Algarve	Portugal
Marilia Curado	University of Coimbra	Portugal
Tasos Dagiuklas	Technological Educational Institute of Mesolonghi	Greece
Filip De Turck	Ghent University	Belgium
Yu-ning Dong	Nanjing University of Posts and Telecommunications	P.R. China
Gabi Dreo Rodosek	IIS	Germany
Elias Duarte Jr.	Federal University of Parana (UFPR)	Brazil
Frederic Dufaux	Telecom Paristech	France
Ernesto Exposito	LAAS/CNRS	France
Farid Farahmand	Sonoma State University	USA
Metin Feridun	IBM Research	Switzerland
Stefano Ferretti	University of Bologna	Italy
Olivier Festor	INRIA Nancy - Grand Est	France
Attilio Fiandrotti	Politecnico di Torino	Italy
Nelson L. S. da Fonseca	State University of Campinas	Brazil
Scott Fowler	Linköping University	Sweden
Kui Gao	Dassault Systèmes Simulia	USA
Rosario Garroppo	University of Pisa	Italy
Yacine Ghamri-Doudane	ENSIIE & Université Paris-Est (LIGM Lab)	France
Stefano Giordano	University of Pisa	Italy
Lisandro Granville	Federal University of Rio Grande do Sul	Brazil
Xiaoyuan Gu	Sears Holdings Management Corporation	USA
Cedric Gueguen	IRISA, University of Rennes 1	France

Yang Guo	Bell Labs, Alcatel-Lucent	USA
Vijay Gurbani	Bell Laboratories, Alcatel-Lucent	USA
Ashraf Hamad	Microsoft Corporation	USA
Jarmo Harju	Tampere University of Technology	Finland
Shuangchi He	Georgia Institute of Technology	USA
Said Hoceini	University of Paris Est Créteil	France
Christian Hoene	Universität Tübingen	Germany
Weikun Hou	The University of Western Ontario	Canada
Cheng-Hsin Hsu	National Tsing Hua University	Taiwan
Donglin Hu	Auburn University	USA
Yangcheng Huang	LM Ericsson	Ireland
Yingsong Huang	Auburn University	USA
Nadeem Javaid	CIIT	Pakistan
Yiming Ji	University of South Carolina Beaufort	USA
Canming Jiang	Virginia Tech	USA
Fan Jiang	Tuskegee University	USA
Xi Ju	Wayne State University	USA
Syahrul Nizam Junaini	Universiti Malaysia Sarawak	Malaysia
Markus Kampmann	Koblenz University of Applied Science	Germany
Alexander Keller	IBM Global Technology Services	USA
Dong Hoi Kim	Kangwon National University	Korea
Mario Kolberg	University of Stirling	United Kingdom
Francine Krief	LaBRI/CNRS	France
Wuttipong Kumwilaisak	King Mongkut's University of Technology, Thonburi	Thailand
Ragip Kurceren	Nokia Research	USA
Vincent Lecuire	Nancy-University/CNRS	France
Hao Li	University of Western Ontario	Canada
Husheng Li	University of Tennessee	USA
Ming Li	Utah State University	USA
Ming Li	California State University	USA
Shujun Li	University of Surrey	United Kingdom
Yihan Li	Auburn University	USA
Zhu Li	Huawei Technology USA	USA
Ke Liang	National University of Singapore	Singapore
Chia-Wen Lin	National Tsing Hua University	Taiwan
Jonathan Liu	University of Florida	USA
Pei Liu	Polytechnic Institute of New York University	USA
Pascal Lorenz	University of Haute Alsace	France
Kejie Lu	University of Puerto Rico at Mayaguez	Puerto Rico
Haiyan Luo	Cisco Systems	USA
Hanan Lutfiyya	University of Western Ontario	Canada
Thomas Magedanz	Fraunhofer FOKUS	Germany
Enrico Magli	Politecnico di Torino	Italy

Manuel Malumbres	Miguel Hernández University	Spain
Gregorio Martinez Perez	University of Murcia	Spain
Shiwen Mao	Auburn University	USA
Xavier Masip-Bruin	Universitat Politecnica de Catalunya	Spain
Maja Matijasevic	University of Zagreb	Croatia
Amelie Medem	UPMC Sorbonne University	France
Abdelhamid Mellouk	University of Paris Est Créteil	France
Maria Luisa Merani	University of Modena and Reggio Emilia	Italy
Samer Mohammed	University of Paris Est Créteil	France
Hassnaa Moustafa	France Telecom R&D	France
Brendan Mumey	Montana State University	USA
Thinh Nguyen	Oregon State	USA
Saverio Niccolini	NEC Europe Ltd.	Germany
Petros Nicopolitidis	Aristotle University	Greece
António Nogueira	University of Aveiro/Instituto de Telecomunicações	Portugal
Serban Obreja	University Politehnica of Bucharest	Romania
Jose Oliver	Universidad Politecnica de Valencia	Spain
Ai-Chun Pang	National Taiwan University	Taiwan
Georgios Papadimitriou	Aristotle University	Greece
Panagiotis Papadimitriou	Leibniz University of Hannover	Germany
Seung-Jong Park	Louisiana State University	USA
Lu Peng	Louisiana State University	USA
Mario Lemes Proença Jr.	State University of Londrina	Brazil
Martin Reisslein	Arizona State University	USA
Marco Rocchetti	University of Bologna	Italy
Joel Rodrigues	Instituto de Telecomunicações, University of Beira Interior	Portugal
Roberto Rojas-Cessa	New Jersey Institute of Technology	USA
Philippe Roose	University of Pau - IUT de Bayonne	France
Heung-Gyoon Ryu	Chungbuk National University	Korea
Alexandre Santos	University of Minho	Portugal
Susana Sargento	Instituto de Telecomunicações, Universidade de Aveiro	Portugal
René Serral-Gracià	Technical University of Catalunya	Spain
Xu Shao	Institute for Infocomm Research	Singapore
Yanming Shen	Dalian University of Technology, Dalian	P.R. China
Lei Shu	Osaka University	Japan
Simone Silvestri	University of Rome "La Sapienza"	Italy
Gwendal Simon	Institut Telecom - Telecom Bretagne	France
Vladimir Stankovic	University of Strathclyde	United Kingdom
Burkhard Stiller	University of Zürich	Switzerland
Xin Su	Tsinghua University	P.R. China
Hailong Sun	Beihang University	P.R. China
RN Uma	NCCU	USA

Binod Vaidya	University of Ottawa	Canada
Athanasios Vasilakos	National Technical University of Athens	Greece
Haris Volos	Virginia Tech	USA
Agustinus Borgy Waluyo	Monash University	Australia
Haodong Wang	Cleveland State University	USA
Honggang Wang	University of Massachusetts, Dartmouth	USA
Wei Wang	South Dakota State University	USA
Stephan Weiss	University of Strathclyde	United Kingdom
Richard Wolff	Montana State University	USA
Isaac Woungang	Ryerson University	Canada
Steven Wright	AT&T	USA
Fan Wu	Tuskegee University	USA
Feng Wu	Microsoft Research Asia	P.R. China
Shaoen Wu	University of Southern Mississippi	USA
Xiaotao Wu	Avaya Labs Research	USA
Zhiqiang Wu	Wright State University	USA
Zhenyu Xiao	Tsinghua University	P.R. China
Kai Yang	Bell Labs	USA
Qing Yang	Montana State University	USA
Fan Yu	Michigan State University	USA
Shucheng Yu	University of Arkansas at Little Rock	USA
Sherali Zeadally	University of the District of Columbia	USA
Kai Zeng	University of Michigan - Dearborn	USA
Baoxian Zhang	Graduate University of the Chinese Academy of Sciences	P.R. China
Yan Zhang	Simula Research Laboratory and University of Oslo	Norway
Youping Zhao	Beijing Jiaotong University	P.R. China
Jun Zheng	New Mexico Institute of Mining and Technology	USA
Liang Zhou	Nanjing University of Posts and Telecommunications	P.R. China
Yiqing Zhou	Chinese Academy of Science	P.R. China
Weiyang Zhu	Hampton University	USA
Xiaoqing Zhu	Cisco Systems	USA