



MOBILWARE 2008

First International Conference on MOBILE Wireless MiddleWARE, Operating Systems, and Applications

Jointly sponsored by Create-Net and ICST

Innsbruck, Austria, February 12-15, 2008

The advances in wireless communication technologies and the proliferation of mobile devices have enabled the realization of intelligent environments for people to communicate with each other, interact with information-processing devices, and receive a wide range of mobile wireless services through various types of networks and systems everywhere, anytime. A key enabler of this ambient intelligence and unobtrusive connectivity is the advancement of software technology in various communication sectors, ranging from communications middleware and operating systems to networking protocols and applications.

This new international conference, MOBILWARE, is dedicated to addressing emerging topics and challenges in various mobile wireless software-related areas. The scope of the conference is the design, implementation, deployment, and evaluation of middleware, operating systems (OS), and applications for computing and communications in mobile wireless systems. It aims to provide a high profile, leading edge forum for researchers, engineers, and standards developers to present their latest research, techniques, and experiences in the field of software technology for mobile wireless systems.

PAPERS: Original and unpublished research achievements in various aspects of middleware/operating systems/applications are solicited. Topics include, but are not limited to:

- OS/middleware for embedded systems, wearable networks, and personal area networks
- OS/middleware support for the integration of heterogeneous wireless networks
- Middleware for mobile computing
- Middleware for QoS awareness, adaptation, and fault-tolerance of mobile services
- Middleware for opportunistic networking in delay-tolerant mobile services
- Location-aware and context-aware mobile supports and services
- Mobility management and handoff management in heterogeneous integrated networks
- Location and tracking supports and services
- Mobility-aware wireless service discovery, management, and delivery
- Intelligent and mobile agent technologies for mobile systems and services
- Human-computer interface and portable 3D graphics for mobile devices
- Middleware/applications for wireless sensor networks, vehicular networks, home networks, and P2P systems
- Modeling and performance of mobile wireless services (VoIP, gaming, P2P sharing, urban monitoring, ...)
- Software supports for mobile military applications (navigation modeling, 3D map representation, ...)
- Deployment and management supports for large-scale mobile services
- Policy, trust, security, and privacy issues for mobile wireless networks

POSTERS/DEMOS: The conference will include a poster/demo session to highlight recent and on-going research, experiments, and provocative ideas not yet published elsewhere. Poster/demo submissions will be reviewed and summaries of accepted posters will appear in the conference proceedings.

WORKSHOPS: Proposals for workshops are solicited. Potential workshop organizers are requested to submit a proposal of at most 5 pages, including a biographical sketch of each proponent, to the Workshop Chair by *September 15, 2007*. Proposal evaluation will be based on the expertise and experience of the proponents and on the relevance of the subject matter.

SUBMISSION INSTRUCTIONS: All paper, poster, and workshop submissions will be handled electronically. Please visit the conference website <http://www.mobilware.org> for detailed submission requirements and procedures.

PUBLICATION: All submitted papers and posters will be rigorously reviewed by technical program committee members and invited reviewers. All accepted papers and poster abstracts will be made available in the ACM Digital Library (pending) and then be included in major article indexing services. Extended versions of selected papers from MOBILWARE will be published in a dedicated special issue of the Mobile Networks and Applications (MONET) Journal.

IMPORTANT DATES:

Paper Submission Due Date (Extended Deadline)	September 15, 2007
Workshop Proposal Date	September 15, 2007
Notification of Acceptance	November 1, 2007
Camera Ready Versions Due	December 20, 2007

Organizing Committee

Title	Name	Affiliation	Email
Mobilware 2008 Conference General Co-Chairs	<i>Linda Xie</i> <i>Tuna Tugcu</i>	University of North Carolina at Charlotte, USA Bogazici University, Turkey	jxie1 [at] uncc.edu tugcu [at] boun.edu.tr
Steering Committee	<i>Dr. Imrich Chlamtac (Chair)</i> <i>Carl K. Chang</i>	Create-Net, Italy Iowa State University, USA	chlamtac [at] create-net.org chang [at] cs.iastate.edu
Technical Program Committee Chair	<i>Paolo Bellavista</i>	University of Bologna, Italy	pbellavista [at] deis.unibo.it
Conference Organization Chair	<i>Zsuzsa Lanyi-Kaszab</i>	ICST Europe	zsuzsi.k [at] icst.org
Conference Publicity Chair	<i>Janise McNair</i>	University of Florida	mcnair [at] ece.ufl.edu

INDUSTRY TRACK CHAIR (tbd)**WORKSHOP CHAIR**

Conference Workshop Chair	<i>Wenye Wang</i>	North Carolina State University	wwang [at] eos.ncsu.edu
----------------------------------	-------------------	---------------------------------	-------------------------

POSTER/DEMO CHAIR (tbd)**TECHNICAL PROGRAM COMMITTEE**

O.B. Akan, Middle East Tech.U., Turkey
K. Bur, Technische U. Berlin, Germany
Y. Cai, Iowa State University, USA
R.H. Campbell, U. Illinois Urbana C., USA
J. Cao, Hong Kong Polyt. U., Hong Kong
Z. Chen, Florida International U., USA
L. Cheng, Lehigh U., Bethlehem PA
S. Clarke, Trinity College Dublin, Ireland
M. Gerla, U. California Los Angeles, USA
G. Giambene, U. of Siena, Italy
T. Gu, Inst. Infocomm Research, Singapore
X. Gu, Tech. U. Braunschweig, Germany
R. Hill, Indiana University, USA
L. Iftode, Rutgers University, USA
A. Jamalipour, U. of Sydney, Australia
T. Kanter, Mid Sweden University, Sweden
P. Keleher, University of Maryland, USA
U. C. Kozat, DoCoMo Labs, USA
Xiaolin (Andy) Li, Oklahoma State University
P. Lorenz, Univ of Haute Alsace, France
T. Magedanz, Fraunhofer Fokus, Germany
G. Morabito, Univ of Catania, Italia
P. Nixon, U. College Dublin, Ireland
G.-C. Roman, Washington U.StLouis, USA
J. Shen, Microsoft Research, China
J. Taheri, U. Sydney, Australia
A. Tripathi, University of Minnesota, USA
M. Youssef, University of Maryland, USA
F. Zambonelli, U. Modena&Reggio, Italy
L. Zhang, Indiana University South Bend, USA