

**WCNC 2005 Technical Program  
Services & Applications Track**

Session	Day	Date	Start	End	Paper #	Title	Authors	Paper ID
<b>SA01: Mobile Ad Hoc Networks</b>	Mon	14-Mar	16:00	17:30	SA01-1	Fault and Intrusion Tolerance in Wireless Ad hoc Networks (invited paper)	Noureddine Boudriga (, ) and Mohammad S. Obaidat (Monmouth University, USA)	1568945808
					SA01-2	A Novel Signaling System for Multiparty Sessions in Peer-to-Peer Ad Hoc Networks	Chunyan Fu (Concordia University, Canada), and Roch Glitho (Ericsson Canada, Canada)	1568941816
					SA01-3	Distributed Multicast Grouping for Publish/Subscribe over Mobile Ad Hoc Networks	Eiko Yoneki (University of Cambridge, United Kingdom)	1568941820
					SA01-4	A Service Continuity Layer for Mobile Services	Ivar Jørstad (Norwegian University of Science and Technology, Norway), Do Van Thanh (Telenor R&D / Norwegian University of Science and Technology, Norway), and Schahram Dustdar (Vienna University of Technology, Austria)	1568941559
<b>SA02: Voice over IP</b>	Tue	15-Mar	9:00	10:30	SA02-1	A Study On SIP Session Timer for Wireless VoIP	Ai-Chun Pang (National Taiwan University, Republic of China), Chih-Hsiao Liu (National Taiwan University, Taiwan), Shu Ping Liu (National Taiwan University, Taiwan), and Hui-Nien Hung (National Chiao-Tong University, Taiwan)	1568941728
					SA02-2	Performance Evaluation of VoIP over 3G-WLAN Interworking System	Rajavel Samy (Samsung India Software Operations, India), Venkateswar Jeedigunta (Lead Engineer, India), Balaji Holur (Principal Engineer, India), Manoj Choudhary (Cheif Engineer, India), and Osok Song (Samsung Electronics, Republic of Korea)	1568941921
					SA02-3	SIP-Based Mobile VPN for Real-Time Applications	Shun-Chao Huang (National Tsing Hua University, Taiwan), Zong-Hua Liu (National Tsing Hua University, Taiwan), and Jyh-Cheng Chen (National Tsing Hua University, Taiwan)	1568942141
					SA02-4	Toll-Free IP	Sunil Madhani (Telcordia Technologies, USA), Tao Zhang (Telcordia Technologies, USA), and Miriam Tauil (Telcordia Technologies, USA)	1568940963
<b>SA03: Wireless LAN</b>	Tue	15-Mar	14:00	15:30	SA03-1	On RSS-Based Positioning in WLAN (invited paper)	Ahmad Hatami (WPI, USA),Kaveh Pahlavan (Worcester Polytechnic Institute, USA)	1568945368
					SA03-2	TDOA Location System for IEEE 802.11b WLAN	Ryota Yamasaki (Hitachi,Ltd.,Central Research Laboratory, Japan), Atsushi Ogino (Hitachi,Ltd.,Central Research Laboratory, Japan), Takaki Tsuyoshi (Hitachi,Ltd.,Central Research Laboratory, Japan), Takaki Uta (Hitachi,Ltd.,Central Research Laboratory, Japan), Takeshi Kato (Hitachi, Ltd., Japan), and Naoto Matsuzawa (Hitachi,Ltd., Japan)	1568941123
					SA03-3	Minimizing Re-Authentication Overheads in Infrastructure IEEE 802.11 Networks	Anindo Mukherjee (University of Cincinnati, USA), Tarun Joshi (University of Cincinnati, USA), and Dharma Agrawal (UNIVERSITY OF CINCINNATI, USA)	1568941783
					SA03-4	Received Signal Strength Based Location Estimation of a Wireless LAN Client	Michael Robinson (McGill University, Canada), and Ioannis Psaromiligkos (McGill University, Canada)	1568942248

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<b>SA04: Sensor Networks</b>	Tue	15-Mar	16:00	17:30	SA04-1	Safety Warning Based on Roadway Sensor Networks	Kai Xing (The George Washington University, USA), Xiuzhen Cheng (George Washington Univ, USA), and Min Ding (the George Washington University, USA)	1568942181
					SA04-2	Fault-Tolerant Target Detection in Sensor Networks	Min Ding (the George Washington University, USA), Dechang Chen (Uniformed Services University of the Health Sciences, USA), Andrew Thaeler (The George Washington University, USA), and Xiuzhen Cheng (George Washington Univ, USA)	1568942232
					SA04-3	Sensor Data Aggregation for Resource Inventory Applications	Tsung-Han Lin (National Taiwan University, Taiwan), and Polly Huang (National Taiwan University, Republic of China)	1568942059
					SA04-4	Supporting Group Communication among Interacting Agents in Wireless Sensor Networks	Jaewon Shin (Stanford University, USA)	1568941991
<b>SA05: Traffic Engineering</b>	Wed	16-Mar	9:00	10:30	SA05-1	Simulation of Teletraffic Variables in UMTS Networks: Impact of Lognormal Distributed Call Duration	Antonietta Spedalieri (Universitat Politecnica de Catalunya, Spain), Israel Martin Escalona (Universidad Politecnica de Cataluña, Spain), and Francisco Barcelo (Technological University of Catalonia (UPC), Spain)	1568940837
					SA05-2	Performance Implications of Pareto-distributed Cell Residual Time in Distributed Admission Control Scheme (DACS)	Suttipong Thajchayapong (Carnegie Mellon University, USA), and Ozan Tonguz (Carnegie Mellon University, USA)	1568942130
					SA05-3	Dynamic packet scheduling for cdma2000 1xEV-DO Broadcast/Multicast Services	Kyungtae Kang (Seoul National University, Republic of Korea)	1568941390
					SA05-4	A Dummy Segment Based Bandwidth Probing Technique to Enhance the Performance of TCP over Heterogeneous Networks	Tarik Taleb (Tohoku University, Japan), Kenichi Kashibuchi (Graduate School of Information Sciences, Tohoku University, Japan), Nei Kato (Tohoku University, Japan), and Yoshiaki Nemoto (Tohoku University, Japan)	1568941000
<b>SA06: Network Architecture Design</b>	Wed	16-Mar	14:00	15:30	SA06-1	A Consolidated Architecture for 4G/B3G Networks	M. Rubaiyat Kibria (The University of Sydney, Australia), Abbas Jamalipour (The University of Sydney, Australia, Australia), and Vinod Mirchandani (The University of Sydney, Australia)	1568941845
					SA06-2	A Lightweight Pervasive Architecture for Fieldwork Environments	Thienne Mesquita (Federal University of Pernambuco, Brazil), and Djamel Sadok (Federal University of Pernambuco, Brazil)	1568941981
					SA06-3	Design and Implementation of an architecture supporting Mobile CORBA Servants under Intermittent Connectivity Environment	Mayank Mishra (Persistent Systems Private Ltd., India), Sanjay Chaudhary (Dhirubhai Ambani Institute of Information and Communication Technology, India)	1568941872
					SA06-4	Integrated Networking Technologies for a Survivable Network	Jasmine Chennikara-Varghese (Telcordia Technologies, Inc., USA), Ashutosh Dutta (Telcordia Technologies, USA), Aileen Cheng (Telcordia Technologies, USA), Moncef Elaoud (Telcordia Technologies, USA), Anthony McAuley (Telcordia Technologies, USA), and Isil Sebuktekin (Telcordia Technologies, USA)	1568941979

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<b>SA07: Service Accountability</b>	Wed	16-Mar	9:00	10:30	SA07-1	An AAA based intelligent service customization framework for Public WLANs	Farooq Bari (AT&T Wireless Services, USA)	1568940961
					SA07-2	Constructing Sequential Aggregate Signatures for Secure Wireless Routing Protocols	Huafei Zhu (Institute for Infocomm Research,, Singapore), Tiejian Li (Institute for Infocomm Research, Singapore), and Yongdong Wu (Institute for Infocomm Research, Singapore)	1568941115
					SA07-3	A Simple Approach to Charging and Billing of Packetized Applications	Gülfem ISIKLAR (University of Galatasaray, Turkey), and Ayse Bener (Bogazici University, Turkey)	1568941694
					SA07-4	Service Survivability in Wireless Networks via Multi-Layer Self-Healing	Latha Kant (Telcordia Technologies, USA)	1568941094
<b>SA08: Cellular System Services</b>	Wed	16-Mar	16:00	17:30	SA08-1	Mapping of File-Sharing onto Mobile Environments: Feasibility and Performance of eDonkey with GPRS	Tobias Hoßfeld (University of Wuerzburg, Germany), Kurt Tutschku (Wuerzburg University, Germany), and Frank-Uwe Andersen (Siemens ICM, Germany)	1568940997
					SA08-2	Access to IP Multimedia Subsystem of UMTS via PacketCable Network	Mehdi Mani (Institute National des Telecommunication (INT), France), and oel Crespi (GET-INT, France)	1568941133
					SA08-3	A Proxy-Based Framework to Enhance User Level Performance of GPRS/UMTS Networks	Yue Wang (Tsinghua University, P.R. China)	1568941210
					SA08-4	IMS-based Push-to-Talk over GPRS/UMTS	Peter Kim (Siemens AG, Germany), Andras Balazs (Siemens I&C Mobile, Germany), Eddy van den Broek (Siemens AG, Germany), Gerhard Kieselmann (Siemens AG, Germany), and Wolfgang Boehm (Siemens AG, Germany)	1568941475
<b>SA09: Personal and Indoor Services</b>	Thu	17-Mar	9:00	10:30	SA09-1	A Novel Scheduling Scheme and MAC Enhancements for IEEE 802.15.3 High-Rate WPAN (invited paper)	RanRan Zeng and Geng-Sheng Kuo (National Chengchi University, Republic of China)	1568945369
					SA09-2	Practical device association protocols for wireless enabled personal devices	Anantharaman Lakshminarayanan (Institute for infocomm research, Singapore), and Huafei Zhu (Institute for Infocomm Research,, Singapore)	1568940927
					SA09-3	Map-aided indoor mobile positioning system using particle filter	Frederic Evennou (France Telecom R&D, France)	1568941213
					SA09-4	HTTP Compression Techniques	Zhigang Liu (Nokia Research Center, USA), Yousuf Saifullah (Nokia Research Center, USA), Marc Greis (Nokia Research Center, USA), and Srinivas Sreemanthula (Nokia Research Center, USA)	1568941103

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<b>SA10: Wireless Services</b>	Thu	17-Mar	14:00	15:30	SA10-1	Implementing a Wireless Application in a Developing Country	James McDaniel (University of Victoria, Canada), and Eva Slawecki (Canadian Society for International Health, Canada)	1568941005
					SA10-2	Aerouter - A Graphical Simulation Tool for Routing in Aeronautical Systems	Ehssan Sakhaee (University of Sydney, Australia), and Abbas Jamalipour (University of Sydney, Australia)	1568942244
					SA10-3	Dynamic End-to-End Image Adaptation for Guaranteed Quality of Service in Wireless Image Data Services	Dong-Gi Lee (University of California, San Diego, USA), and Sujit Dey (University of California, San Diego, USA)	1568942139
					SA10-4	On the Use of Notch Filters and Ordered Co-channel TDMA slots strategies to the TDMA and CDMA Overlaid Systems	Josefina Castañeda-Camacho (CINVESTAV-IPN, Mexico), and Domingo Lara-Rodríguez (Communications Section, CINVESTAV-IPN, Mexico)	1568941454
<b>SA11: Location and Mobility Tracking</b>	Thu	17-Mar	16:00	17:30	SA11-1	An Enhanced Received Signal Level Cellular Location Determination Method via Maximum Likelihood and Kalman Filtering	Ioannis G. Papageorgiou (University of Cyprus, Cyprus), Charalambos Charalambous (University of Cyprus, Cyprus), and Christos Panayiotou (University of Cyprus, Cyprus)	1568941570
					SA11-2	Analysis and Implementation of a Novel Single-Channel Direction-Finding Method	Nathan Harter (VA Tech, USA), John Keaveny (Virginia Tech, USA), Swaroop Venkatesh (Virginia Tech, USA), and Michael Buehrer (Virginia Tech, USA)	1568942189
					SA11-3	Rate Control for Streaming Services Based on Mobility Prediction in Wireless Mobile Network	Chunglae Cho (ETRI, Republic of Korea), Sun Mi Jun (ETRI, Republic of Korea), and Kwang-Roh Park (ETRI, Republic of Korea)	1568941918
					SA11-4	Selection of Diversity and Modulation Parameters for Nakagami Fading Channels to Jointly Satisfy Outage and Bit Error Requirements	Prachee Sharma (State University of New York at Buffalo, USA)	1568942266