

Day 1: Tuesday June 24, 2008

8:00 - 18:30	Registration	
8:45 - 9:00	Opening Remarks	
9:00 - 10:00	<p>Keynote Lecture I: (Chair: Vincent Stanford, Location: Bay Laurel Ballroom) Recent Progress in Moving Cognitive Radio and Services to Deployment Preston Marshall (Defense Advanced Research Projects Agency, USA)</p>	
10:00 - 10:30	Coffee/Tea	
10:30 - 12:00	<p>Regular Paper Sessions I: Wireless Multimedia Networks (Chair: Silvia Giordano, Location: Bay Laurel Ballroom Central)</p> <ul style="list-style-type: none"> • Mixed Reliability Video Streaming in Wireless Networks Justice Daka (University of Saskatchewan, CA); Dwight Makaroff (University Of Saskatchewan, CA) • Delay-Constrained High Throughput Protocol for Multi-Path Transmission over Wireless Multimedia Sensor Networks Shuang Li (Auburn University, US); Raghu Neelisetti (Auburn University, US); Cong Liu (Auburn University, US); Alvin Lim (Auburn University, US) • A New Priority Based Congestion Control Protocol for Wireless Multimedia Sensor Networks Mohammad Hossien Yaghmaee (Ferdowsi University of Mashad, IR); Donald Adjeroh (West Virginia University, US) 	<p>Industry Track I: (Chair: Farooq Anjum, Location: Bay Laurel Ballroom South)</p> <ul style="list-style-type: none"> • Invited Talk: "End-Point Security for Mobile Devices: State of Affairs" Selim Aissi (Chief Security Architect, Mobile Platforms Communications and Initiatives Intel Corporation, US) • Professional and End-User-Driven Service Creation in the SPICE platform Olaf Droegehorn (University of Kassel, DE); Immanuel König (University of Kassel, DE); Mariano Belaunde (Orange R&D); Goulven Le-June (Bull, FR); Julien Cupillars (Bull, FR); Ernö Kovacs (NEC Europe Ltd., DE) • Recommender Systems for Mobile Content: Current Challenges and Ways Forward Giridhar D. Mandyam (Qualcomm, US); Mark Boyns (Qualcomm, US) • Performance Analysis of HIP-based Mobility and Triggering Pekka Pääkkönen (VTT Technical Research

	<ul style="list-style-type: none"> Performance Measurement over Mobile WiMAX/IEEE 802.16e Network Dongmyoung Kim (Seoul National University, KR); Hua Cai (Seoul National University, KR); Minsoo Na (Seoul National University, KR); Sunghyun Choi (Seoul National University, KR) 	Centre of Finland, FI); Patrik Salmela (Ericsson Research, FI); Ramon Aguero (University of Cantabria, ES); Johnny Choque (University of Cantabria, ES)
12:00 - 13:30	Lunch Break	
13:30 - 15:00	<p>Regular Paper Sessions II: Wireless Sensor Networks (Chair: Yonghe Liu, Location: Bay Laurel Ballroom Central)</p> <ul style="list-style-type: none"> Localized Minimum Spanning Tree Based Multicast Routing with Energy-Efficient Guaranteed Delivery in Ad Hoc and Sensor Networks Hannes Frey (University of Southern Denmark, DK); François Ingelrest (École Polytechnique Fédérale de Lausanne (EPFL), CH); David Simplot-Ryl (INRIA, Univ. Lille, FR) A Comparative Study of Data Transport Protocols in Wireless Sensor Networks (WSN) Faisal Karim Shaikh (Technical University of Darmstadt, DE); Abdelmajid Khelil (Technical University of Darmstadt, DE); Neeraj Suri (Technical University of Darmstadt, DE) Non-Uniform Sensor Deployment in Mobile Wireless Sensor Networks Mihaela Cardei (Florida Atlantic University, US); Yinying Yang (Florida Atlantic University, US); Jie Wu (Florida Atlantic University and 	<p>Industry Track II: (Chair: Azzedine Boukerche, Location: Bay Laurel Ballroom South)</p> <ul style="list-style-type: none"> MANET Management: Industry Challenges & Potential Solutions Latha Kant (Telcordia, US); Ritu Chadha (Telcordia, US) FEW-PNets - A Framework for Emulation of Wireless Personal Networks R. Venkatesha Prasad (TU Delft, NL); Yonghua Li (TU Delft, NL); Martin Jacobsson (TU Delft, NL); Anthony Lo (TU Delft, NL); Ignas Niemegeers (TU Delft, NL) Context-Aware and Personalized Event Filtering for Low-Overhead Continuous Remote Health Monitoring Iqbal Mohamed (University of Toronto, CA); Archan Misra (IBM T. J. Watson Research Center, US); Maria Ebling (IBM T. J. Watson Research Center, US); William Jerome (IBM T. J. Watson Research Center, US) Hierarchical QAM BICM MIMO Systems With Iterative Decoding and Applications to Media

	<p>National Science Foundation, US)</p> <ul style="list-style-type: none"> • Mobility Management in IP-based Wireless Sensor Networks Tiago Camilo (University of Coimbra, PT); Pedro Pinto (University of Coimbra, PT); André Rodrigues (University of Coimbra, PT); Jorge Sá Silva (University of Coimbra, PT); Fernando Boavida (University of Coimbra, PT) 	<p>Broadcast</p> <p>Sean A. Ramprashad (DoCoMo US-Labs, US); Carl-Erik W. Sundberg (DoCoMo US-Labs, US)</p> <ul style="list-style-type: none"> • Data Outage Across 3G & 2G Wireless Networks Leo Bhebhe (Nokia Siemens Networks, FI); Arjona Andres (Nokia Siemens Networks, FI)
15:00 - 15:30	Coffee/Tea	
15:30 - 17:00	Industrial Plenary Panel: (Chair: Ramesh Rao, Location: Bay Laurel Ballroom) Opportunities and Impediments on The Road to 4G	
17:00 - 19:00	Demo/Poster Session and Receptions (Location: Orchid Terrace)	
	<p>Posters:</p> <ul style="list-style-type: none"> • Mobile TFRC: a Congestion Control for WLANs Lei Zhang (Université de Toulouse - ISAE/LAAS-CNRS, FR); Patrick Sénac (Université de Toulouse - ISAE/LAAS-CNRS, FR); Emmanuel Lochin (Université de Toulouse - ISAE/LAAS-CNRS, FR); Michel Diaz (LAAS/CNRS, FR) • Power and Performance Characteristics of USB Flash Drives Kyle O'Brien (University of Notre Dame, US); David C. Salyers (University of Notre Dame, US); Aaron D. Striegel (University of Notre Dame, US); Christian Poellabauer (University of Notre Dame, US) • Link Quality Prediction for Wireless Devices with Multiple Radios 	<p>Demos:</p> <ul style="list-style-type: none"> • SLP-based Service Management with QoS Server Selection in Mobile Ad-hoc Networks Stefan Penz (RWTH Aachen University, DE) • A Novel Middleware for the Mobility Management Over the Internet Lei Zhang (Université de Toulouse - ISAE/LAAS-CNRS, FR); Patrick Sénac (Université de Toulouse - ISAE/LAAS-CNRS, FR); Emmanuel Lochin (Université de Toulouse - ISAE/LAAS-CNRS, FR); Michel Diaz (LAAS/CNRS, FR) • The NIST Data Flow System II: A Standardized Interface for Distributed Multimedia Applications Antoine Fillinger (NIST, US); Lukas Diduch (NIST, US); Imad Hamchi (NIST, US); Mathieu Hoarau

	<p>Qiuyi Duan (Brigham Young University, US); Lei Wang (Brigham Young University, US); Charles D. Knutson (Brigham Young University, US); Daniel Zappala (Brigham Young University, US)</p> <ul style="list-style-type: none"> • WiMap: Fast Handover for 802.11 Mobile Devices Ajay Kulkarni (University of Texas at Dallas, US); Shanthly Menezes (University of Texas at Dallas, US); Hai Vu (University of Texas at Dallas, US); Chanaka Liyana Arachchige (University of Texas at Dallas, US) • A Method for Minimizing Unnecessary Handovers in Heterogeneous Wireless Networks Xiaohuan Yan (Monash University, AU); Y. Ahmet Şekercioğlu (Monash University, AU); Nallasamy Mani (Monash University, AU) • Performance Analysis of Reliable Transport Schemes joint with the Optimal Frequency and Optimal Packet Length in Underwater Sensor Networks Liu Bin (Tsinghua University, CN); Wen Hao (Tsinghua University, CN); Ren Fengyuan (Tsinghua University, CN); Lin Chuang (Tsinghua University, CN) • Mobile Localization in Outdoor Environments Dawei Liu (Chinese University of Hong Kong, HK); Moon-Chuen Lee (Chinese University of Hong Kong, HK) • Relative Localization with 2-Hop 	<p>(NIST, US); Stéphane Degré (NIST, US); Vincent Stanford (NIST, US)</p> <ul style="list-style-type: none"> • Geographical Location Based RFID Object Tracking System Sungjun Kim (Korea University, KR); Doohyun Ko (Korea University, KR); Sunshin An (Korea University, KR)
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	<p>Neighborhood Christopher J. Mallery (Washington State University, US); Sirisha Medidi (Boise State University, US); Muralidhar Medidi (Boise State University, US)</p> <ul style="list-style-type: none">• Wireless Reliability: Rethinking 802.11 Packet Loss David C. Salyers (University of Notre Dame, US); Aaron D. Striegel (University of Notre Dame, US); Christian Poellabauer (University of Notre Dame, US)• Heterogeneous Modulation for Trading-off Energy Balancing with Bandwidth Efficiency in Hierarchical Sensor Networks Maryam Soltan (University of Southern California, US); Inkwon Hwang (University of Southern California, US); Massoud Pedram (University of Southern California, US)	
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Day 2: Wednesday June 25, 2008

8:00 - 12:00	Registration
8:15 - 10:00	<p>Extended paper session I : Design and Performance Evaluation of Wireless Networks (Chair: Xi Zhang, Location: Bay Laurel Ballroom)</p> <ul style="list-style-type: none"> • BEWARE: Background Traffic-Aware Rate Adaptation for IEEE 802.11 Shao-Cheng Wang (University of Florida, US); Ahmed Helmy (University of Florida, US) • Design, Implementation, and Performance Analysis of DiscoSec -- Service Pack for Securing WLANs Ivan Martinovic (University of Kaiserslautern, DE); Paul Pichota (TU Kaiserslautern, DE); Matthias Wilhelm (University of Kaiserslautern, DE); Frank A. Zdarsky (University of Kaiserslautern, DE); Jens Schmitt (University of Kaiserslautern, DE) • Interference in Wireless Multihop Networks: A Model and its Experimental Evaluation Georgios Parissidis (ETH Zurich, CH); Merkourios Karaliopoulos (ETH Zurich, CH); Martin May (ETH Zurich, CH); Thrasylvoulos Spyropoulos (ETH, CH); Bernhard Plattner (ETH Zurich, CH) • Optimizing the Cost of Migration from Wireless TDM Networks to Next Generation Packet Networks Huan Li (Nortel, US); Haitao Lin (Nortel, US); Hee Lee (Nortel, US); Prabir Das (Nortel, US)
10:00 - 10:30	Coffee/Tea
10:30 - 11:30	<p>Keynote Lecture II: (Chair: Mohan Kumar, Location: Bay Laurel Ballroom) Wireless Technology in the home and beyond: A perspective from Georgia Tech's Aware Home Ed Price (Interactive Media Technology Center at Georgia Tech, USA)</p>
11:30 - 13:00	<p>Extended Paper Session II: Best Paper Award Candidates (Chair: Marco Conti, Location: Bay Laurel Ballroom)</p> <ul style="list-style-type: none"> • A Joint Design of Admission Control and Transmission Rate Adaptation for VoIP over Wireless Network Youngkyu Choi (Seoul National University, KR); Sunghyun Choi (Seoul National University, KR) • Localized Minimum-Latency Broadcasting in Multi-radio Multi-rate Wireless Mesh Networks Junaid Qadir (University of New South Wales, AU); Chun Tung Chou (University of New South Wales, AU); Archan Misra (IBM T J Watson Research Center, US); Joo Ghee Lim (University of New South

	<p>Wales, AU)</p> <ul style="list-style-type: none"> Experimental Study on Wireless Multicast Scalability using Merged Hybrid ARQ with Staggered Adaptive FEC Shivesh Makharia (Rutgers University, US); Dipankar Raychaudhuri (Rutgers Univ., US); Mingquan Wu (Thomson Inc., US); Hang Liu (Thomson Inc., US); Dekai Li (Thomson, Inc, US) 	
13:00 - 14:30	Lunch Break	
14:30 - 16:00	<p>Regular Paper Session III: Localization & Positioning (Chair: Dwight Makaroff, Location: Bay Laurel Ballroom Central)</p> <ul style="list-style-type: none"> Localization-Oriented Coverage Based on Bayesian Estimation in Camera Sensor Networks Liang Liu (Beijing University of Post and Telecommunications, CN); Xi Zhang (Texas A&M University, ECE Department, US); Huadong Ma (Beijing University of Posts and Telecommunications, CN) Localization in Time and Space for Wireless Sensor Networks: A Mobile Beacon Approach Azzedine Boukerche (Univ. of Ottawa, CA); Horacio A.B.F. Oliveira (Univ. of Ottawa, CA); Eduardo F. Nakamura (FUCAPI - Research and Technological Innovation Center, BR); Antonio A.F. Loureiro (Federal University of Minas Gerais, BR) On-Demand Fingerprint Selection for 802.11-based Positioning Systems Thomas King (University of Mannheim, DE); Thomas Haenselmann (University of 	<p>Regular Paper Session IV: Mesh Networks (Chair: Archan Misra, Location: Bay Laurel Ballroom South)</p> <ul style="list-style-type: none"> Integrated Routing and MAC Scheduling for Single-Channel Wireless Mesh Networks Zhibin Wu (Rutgers University, US); Dipankar Raychaudhuri (Rutgers Univ., US) Link-Quality Measurement Enhancement for Routing in Wireless Mesh Networks Golnaz Karbaschi (University Paris 6 - LIP6, FR); Anne Fladenmuller (University Paris 6 - LIP6, FR); Bernd E. Wolfinger (University of Hamburg, DE) Secure Group Communication in Wireless Mesh Networks Jing Dong (Purdue University, US); Kurt Erik Ackermann (Purdue University, US); Cristina Nita-Rotaru (Purdue University, US) Probabilistically Reliable On-Demand Multicast in Wireless Mesh Networks Xin Zhao (The University of New South Wales, AU); Chun Tung Chou (University of New South Wales, AU); Jun Guo (The University of

	<p>Mannheim, DE); Wolfgang Effelsberg (University of Mannheim, DE)</p> <ul style="list-style-type: none"> Cluster Filtered KNN:A WLAN-Based Indoor Positioning Scheme <p>Jun Ma (Nanjing university, CN); Xuansong Li (Nanjing university, CN); Xianping Tao (Nanjing university, CN) ; Jian Lu (Nanjing University, CN)</p>	<p>New South Wales, AU); Sanjay Jha (University of NSW, AU); Archan Misra (IBM T J Watson Research Center, US)</p>
16:00 - 16:30	Coffee/Tea	
16:30 - 18:00	<p>Plenary Panel: (Chair: Silvia Giodano, Location: Bay Laurel Ballroom) Network foundation vs. network services: where is the future of networking? Panelists: Archan Misra (IBM), Vincent Stanford (NIST), John Strassner (Motorola), Satish Tripathi (University at Buffalo, SUNY)</p>	
19:00 - 22:00	Conference Banquet Cruise	

Day 3: Thursday June 26, 2008

8:00 - 12:00		Registration	
9:00 - 10:30		<p>Extended Paper Session III: QoS and Energy Awareness (Chair: Mihalela Cardei, Location: Bay Laurel Ballroom)</p> <ul style="list-style-type: none"> An Efficient Analytical Model for QoS Engineering in Mobile Cellular Networks Georges Nogueira (Universite Pierre et Marie Curie, FR); Bruno Baynat (Université Pierre et Marie Curie-LIP6, FR); Ahmed Ziram (Nortel, FR) Power-Delay Tradeoff Over Wireless Networks Jia Tang (Texas A&M University, US); Xi Zhang (Texas A&M University, US) Mobile System Energy Conservation for Adaptive Multimedia Applications Albert F. Harris III (University of Kansas, US); Robin Snader (University of Illinois at Urbana-Champaign, US); Robin Kravets (University of Illinois at Urbana-Champaign, US) 	
10:30 - 11:00		Coffee/Tea	
11:00 - 12:30		<p>Regular Paper Sessions V: Mobility and Handoffs (Chair: Andrea Passarella, Location: Bay Laurel Ballroom Central)</p> <ul style="list-style-type: none"> EMO: A Statistical Encounter-based MObility Model for Simulating Delay Tolerant Networks Feiselina Tan (University of New South Wales, AU); Youmna Borghol (National ICT Australia - NICTA, AU); Sebastien Ardon (National ICT Australia, AU) Reducing Handover Latency in Future IP-based Wireless Networks: Proxy Mobile IPv6 with Simultaneous Bindings Mortaza S. Bargh (Telematica Instituut, NL); Bob Hulsebosch (Telematica Instituut, NL); 	<p>Regular Paper Sessions VI: MAC Protocols for Wireless Networks (Chair: Haitao Lin, Location: Bay Laurel Ballroom South)</p> <ul style="list-style-type: none"> A Novel Physical Carrier Sensing Scheme for enhancing Spatial Reuse in Multihop Wireless Networks Yongning Zhang (Concordia University, CA); Basel Alawieh (Concordia University, CA); Chadi Assi (Concordia University, CA) CREAM-MAC: An Efficient Cognitive Radio-Enabled Multi-Channel MAC Protocol for Wireless Networks Hang Su (Texas A&M University, US); Xi Zhang (Texas A&M University, ECE Department, US)

	<p>Henk Eertink (Telematica Instituut, NL); Geert Heijenk (University of Twente, NL); Jeroen Idserda (University of Twente, NL); Julien Laganier (DoCoMo Euro-Labs, DE); Anand R. Prasad (DoCoMo Euro-Labs, DE); Alf Zugenmaier (DoCoMo Euro-Labs, DE)</p> <ul style="list-style-type: none"> • BASH: A Backhaul-Aided Seamless Handoff Scheme for Wireless Mesh Networks Yan He (University of Louisiana at Lafayette, US); Dmitri Perkins (University of Louisiana at Lafayette, US) • Position-Based Unicast Routing for City Scenarios Sascha Schnauffer (University of Mannheim, DE), Wolfgang Effelsberg (University of Mannheim, DE) 	<ul style="list-style-type: none"> • A Novel MAC Scheme for Solving the QoS Parameter Adjustment Problem in IEEE 802.11e EDCA Thomas Nilsson (Umeå University, SE); Jahanzeb Farooq (INRIA, FR) • DGRAM: A Delay Guaranteed Routing and MAC Protocol for Wireless Sensor Networks Shanti Chilukuri (IIT Bombay, IN); Anirudha Sahoo (IIT Bombay, IN)
12:30 - 14:30	Lunch Break	
14:30 - 16:00	<p>Extended Paper Session IV: Wireless Sensor Networks (Chair: George C. Polyzos, Location: Bay Laurel Ballroom)</p> <ul style="list-style-type: none"> • A Cooperative Approach for Topology Control in Wireless Sensor Networks: Experimental and Simulation Analysis Paolo Costa (Vrije Universiteit, NL); Matteo Cesana (Politecnico di Milano, IT); Stefano Brambilla (Politecnico di Milano, IT); Luca Casartelli (Politecnico di Milano, IT); Luca Pizziniaco (Politecnico di Milano, IT) • Using Sink Mobility to Increase Wireless Sensor Networks Lifetime Mirela Marta (Florida Atlantic University, US); Mihaela Cardei (Florida Atlantic University, US) • A Combinatorial Algorithm for the Maximum Lifetime Data Gathering and Aggregation Problem in Sensor Networks Konstantinos Kalpakis (University of Maryland Baltimore County, US); Shilang Tang (University of Maryland Baltimore County, US) 	
16:00 - 16:30	Coffee/Tea	

<p>16:30 - 18:00</p>	<p>Regular Papers Sessions VII: Mobile Network Management (Chair: Hannes Frey, Location: Bay Laurel Ballroom Central)</p> <ul style="list-style-type: none"> • Reputation-based Service Selection in a Peer-to-Peer Mobile Environment Michele Amoretti (University of Parma, IT); Maria Chiara Laghi (University of Parma, IT); Alberto Carubelli (University of Parma, IT); Francesco Zanichelli (University of Parma, IT); Gianni Conte (University of Parma, IT) • Costs and Benefits of Reputation Management Systems Roberto Cascella (University of Trento, IT) • Correlating Real-time Monitoring Data for Mobile Network Management Nanyan Jiang (Rutgers University, US); Guofei Jiang (NEC Labs America, US); Haifeng Chen (NEC Labs America, US); Kenji Yoshihira (NEC Labs America, US) • Stability Analysis for Communication of Voice Terminals with Packet Reservation Multiple Access Protocol Amirali Sharifi (University of Maryland, US); Eyad H. Abed (University of Maryland, US) 	<p>Regular Paper Sessions VIII: Resource Management in Multi-Hop Networks (Chair: Athina Markopoulou, Location: Bay Laurel Ballroom South)</p> <ul style="list-style-type: none"> • Optimizations for Charged Service Provision in Mobile Ad Hoc Networks Christopher N. Ververidis (Athens University of Economics and Business, GR) ; George C. Polyzos (Athens University of Economics and Business, GR) • Channel-aware Packet Scheduling for MANETs Sridhar K N (Institute for Infocomm Research, SG); Mun Choon Chan (National University of Singapore, SG) • Path Selection for Mobile Stations in IEEE 802.16 Multihop Relay Networks Bo Wang (Michigan State University, US); Matt Mutka (Michigan State University, US) • Scheduling Aware Network Flow Models for Multi-hop Wireless Networks Vinay Kolar (State University of New York, Binghamton, US); Nael B. Abu-Ghazaleh (State University of New York, Binghamton, US)
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