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Series Editors

Gerhard Goos, Karlsruhe University, Germany
Juris Hartmanis, Cornell University, NY, USA
Jan van Leeuwen, Utrecht University, The Netherlands

Volume Editors

Marco Conti
Enrico Gregori
Consiglio Nazionale delle Ricerche (CNR)
Istituto di Informatica e Telematica (IIT)
Via G. Moruzzi, 1, 56124 Pisa, Italy
E-mail: {marco.conti;enrico.gregori}@iit.cnr.it

Silvia Giordano
Scuola Universitaria Professionale della Svizzera italiana (SUPSI)
Dipartimento di Informatica ed Elettronica
Galleria 2, 6928 Manno, Switzerland
E-mail: silvia.giordano@die.supsi.ch

Stephan Olariu
Old Dominion University
Department of Computer Science
Norfolk, VA 23529-0162, USA
E-mail: olariu@cs.odu.edu

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Preface

This book constitutes the refereed proceedings of the IFIP-TC6 Eighth International Conference on Personal Wireless Communications, PWC 2003. PWC 2003 is the flagship conference of the IFIP Working Group 6.8, *Mobile and Wireless Communications*, and is the premier international forum for discussions between researchers, practitioners, and students interested in the symbiosis of mobile computing and wireless networks.

It is a great pleasure to present the PWC 2003 technical program. This year the conference received 115 submissions from 27 countries indicating that PWC is a reference conference for worldwide researchers from the wireless and mobile community. With so many papers to choose from, the Technical Program Committee's job, to provide a conference program of the highest technical quality, was challenging and time consuming. From the 115 submissions, we finally selected 34 full papers and 15 short papers for presentation in the conference technical sessions.

The conference technical program was split into three days, and included, in addition to the 49 refereed contributions, 4 invited papers from top-level researchers from the mobile and wireless community.

To give researchers the opportunity to present ongoing work, and the novel ideas they are starting to explore, we included in the technical program two work-in-progress sessions and two novel-ideas sessions. The technical program also included a poster session devoted to presenting ongoing research projects on wireless and mobile communications.

This event would not have been possible without the enthusiastic and hard work of a number of colleagues. First of all, I would like to thank the special tracks chairs – Silvia Giordano and Stephan Olariu – for their valuable contribution in organizing two special sessions on very hot topics in mobile and wireless research: *Sensor Networks* and *Security and Cooperation in Ad Hoc Networks*. A special thanks to the TPC members, and all the referees, for their invaluable help in reviewing the papers for PWC 2003. I would also like to thank all the authors that submitted their papers to this conference for their interest and time. Last but not least, I would like to thank Patrizia Andronico and Alessandro Urpi. Patrizia designed and managed the PWC 2003 web site, while Alessandro designed and implemented *Colibri*, the efficient system for the handling of the electronic submissions.

Message from the General Chairs

Personal Wireless Communications (PWC) is the flagship conference of the IFIP working group WG 6.8 (Wireless and Mobile Communications).

PWC 2003 was organized by IIT (Istituto di Informatica e Telematica) of the Italian National Research Council and by the Learning Services division of Telecom Italia.

The organization of such a complex event required a major effort and we wish to express our sincere appreciation to all the executive committee members for their excellent work.

We would like to express our special appreciation to the main conference technical program chair Marco Conti and to the special tracks chairs: Silvia Giordano and Stefan Olariu. The overall high quality of the conference technical sessions is the result of a complex evaluation process that they handled in an excellent way.

We are also indebted to our organizations, IIT-CNR and Telecom Italia Learning Services. IIT-CNR not only allowed Enrico Gregori and Marco Conti to dedicate considerable time to the organization of this event, but also financially supported the event. Telecom Italia provided not only relevant expertise but also an excellent conference center; the Telecom Italia Future Centre in Venice.

July 2003

Enrico Gregori
Fabrizio Davide

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Table of Contents

Collaborative and Distributed Computation in Mesh-Like Wireless Sensor Arrays	1
<i>Mitali Singh, Viktor K. Prasanna, Jose Rolim, Cauligi S. Raghavendra</i>	
Prediction-Based Energy Map for Wireless Sensor Networks	12
<i>Raquel A.F. Mini, Antonio A.F. Loureiro, Badri Nath</i>	
A Formally Verified Decentralized Key Management Architecture for Wireless Sensor Networks	27
<i>Yee Wei Law, Ricardo Corin, Sandro Etalle, Pieter H. Hartel</i>	
JMS on Mobile Ad Hoc Networks	40
<i>Einar Vollset, Dave Ingham, Paul Ezhilchelvan</i>	
Dynamic Device Access for Mobile Users	53
<i>Dirk Kutscher, Jörg Ott</i>	
A Checkpointing Algorithm for Mobile Computing Environment	65
<i>Pushpendra Singh, Gilbert Cabillic</i>	
Testing Mobile Wireless Applications	75
<i>Ichiro Satoh</i>	
TAPI: Transactions for Accessing Public Infrastructure	90
<i>Matt Blaze, John Ioannidis, Sotiris Ioannidis, Angelos D. Keromytis, Pekka Nikander, Vassilis Prevelakis</i>	
On the Coexistence of UWB with Fixed Wireless Access Systems	101
<i>Romeo Giuliano, Gianluca Guidoni, Franco Mazzenga, Francesco Vatalaro</i>	
Improving Wireless Access Control Schemes via Adaptive Power Regulation	114
<i>Francesca Cuomo, Cristina Martello</i>	
Achieving Service Differentiation and High Utilization in IEEE 802.11 ...	128
<i>Vasilios A. Siris, Matina Kavouridou</i>	
Optimized Power Allocation and Signal Shaping for Interference-Limited Multi-antenna “Ad Hoc” Networks	138
<i>Enzo Baccarelli, Mauro Biagi</i>	
On the Performance of a Medium Access Scheme Based on EY-NPMA in a High Bitrate Wireless LAN	153
<i>G. Dimitriadis, F.-N. Pavlidou</i>	

WILMA: An Open Lab for 802.11 HotSpots.....	163
<i>R. Battiti, M. Brunato, R. Lo Cigno, A. Villani, R. Flor, G. Lazzari</i>	
MobileMAN: Mobile Metropolitan Ad Hoc Networks	169
<i>Marco Conti, Silvia Giordano, Gaia Maselli, Giovanni Turi</i>	
Wireless Networking for Virtual Immersive COMmunications: The VICOM Project	175
<i>F. Davide, A. Detti, E. Gregori, F. Vatalaro</i>	
DARWIN: Demonstrator for an Adaptive and Reconfigurable Wireless IP Network	182
<i>Guillem Femenias, Josep Lluís Ferrer, Loren Carrasco</i>	
μ PROS – Micro Protocol Based Development of Mobile Ad Hoc Networks	188
<i>Alexander Gerald, Reinhard Gotzheim</i>	
Simulation Results and a Proof-of-Concept Implementation of the FleetNet Position-Based Router	192
<i>Hannes Hartenstein, Holger Füßler, Martin Mauve, Walter Franz</i>	
EYES – Energy Efficient Sensor Networks.....	198
<i>Paul Havinga, Sandro Etalle, Holger Karl, Chiara Petrioli, Michele Zorzi, Harry Kip, Thomas Lentsch</i>	
NetMoAd: Scalability, Dependability, and Flexibility in Ad Hoc Networks	202
<i>Gísli Hjálmtýsson</i>	
The SONG (Solutions for Next Generation Mobile Systems) Project	207
<i>Sándor Imre, László Pap, Ferenc Balázs, János Horváth Cz., Róbert Schulcz, Sándor Szabó</i>	
Mobile Ad Hoc Communication Issues in Ubiquitous Computing – The Smart-Its Experimentation Platforms	213
<i>Albrecht Schmidt, Frank Siegemund, Michael Beigl, Stavros Antifakos, Florian Michahelles, Hans-W. Gellersen</i>	
IST Project: BroadWay – The Way to Broadband Access at 60 GHz	219
<i>Athanasios Vaios, Ioannis Stavrakakis</i>	
An Adaptive Radio Link Protocol to Improve TCP Performance over Correlated Fading Wireless Channels	222
<i>Haitao Lin, Sajal K. Das, Hee Yong Youn</i>	
Novel Delayed ACK Techniques for Improving TCP Performance in Multihop Wireless Networks.....	237
<i>Eitan Altman, Tania Jiménez</i>	

Performance Evaluation of Transport Protocols with Local Mobility Management	251
<i>Nikos Georganopoulos, A. Hamid Aghvami</i>	
Analysis and Measurement of TCP/IP Performance over GPRS Networks	261
<i>L. Benetazzo, M. Bertocco, C. Narduzzi, R. Tittoto</i>	
Exact Probabilistic Analysis of the Limited Scheduling Algorithm for Symmetrical Bluetooth Piconets	276
<i>Gil Zussman, Uri Yechiali, Adrian Segall</i>	
A Probabilistic Topology Unaware TDMA Medium Access Control Policy for Ad Hoc Environments	291
<i>Konstantinos Oikonomou, Ioannis Stavrakakis</i>	
Power-Saving in Wi-Fi Hotspots: An Analytical Study	306
<i>G. Anastasi, M. Conti, E. Gregori, A. Passarella</i>	
A Queuing Analysis of Packet Dropping over a Wireless Link with Retransmissions	321
<i>Rachid El Azouzi, Eitan Altman</i>	
Models for Non-intrusive Estimation of Wireless Link Bandwidth	334
<i>Jian Zhang, Liang Cheng, Ivan Marsic</i>	
Supporting Proactive Location-Aware Services in Cellular Networks	349
<i>Axel Küpper, Florian Fuchs, Michael Schiffers, Thomas Buchholz</i>	
Implementation of a Scalable Context-Aware Computing System	364
<i>Tamer Nadeem, Adel Youssef, Suman Banerjee, Moustafa Youssef, Sulabh Agarwal, Kevin Kamel, Andrzej Kochut, Christopher Kommareddy, Pankaj Thakkar, Bao Trinh, A. Udaya Shankar, Ashok Agrawala</i>	
SPREADING the Web	375
<i>Paul Couderc, Michel Banâtre</i>	
A Service Discovery Model for Wireless and Mobile Terminals in IPv6 ...	385
<i>Bilhanan Silverajan, Jaakko Kalliosalo, Jarmo Harju</i>	
Comparing SOAP Performance for Various Encodings, Protocols, and Connections	397
<i>Jaakko Kangasharju, Sasu Tarkoma, Kimmo Raatikainen</i>	
Channel Capacity of MIMO Wideband CDMA System under the Imperfect Channel Estimation and Near/Far Effect	407
<i>Jae-Sung Roh, Hyung-Rae Park, Sung-Joon Cho</i>	

Performance Evaluation of Partially Coherent MC/DS-CDMA System with MOC Sequence	417
<i>Jae-Sung Roh, Sung-Joon Cho</i>	
Throughput Competitiveness of WCDMA Channel Assignment	426
<i>Jiun-Horng Cherng, Fen-Fen Shueh, Wen-Shyen Eric Chen</i>	
Radio Planning and Optimization of W-CDMA Systems	437
<i>Edoardo Amaldi, Antonio Capone, Federico Malucelli, Francesco Signori</i>	
Soft Output Bit Error Rate Estimation for WCDMA	448
<i>Lodewijk T. Smit, Gerard J.M. Smit, Johann L. Hurink, André B.J. Kokkeler</i>	
The Convergence of Control, Communication, and Computation	458
<i>Scott Graham, P.R. Kumar</i>	
Self-Organising Node Address Management in Ad Hoc Networks	476
<i>Stephen Toner, Donal O'Mahony</i>	
DiSUS: Mobile Ad Hoc Network Unstructured Services	484
<i>Paul Fergus, Anirach Mingkhwan, Madjid Merabti, Martin Hanneghan</i>	
Performance Evaluation of Base-Station-Assisted Link State Routing Method for Mobile Ad Hoc Networks	492
<i>Hiroaki Morino, Tadao Saito, Mitsuo Nohara</i>	
A QoS Control Scheme for Voice and Data Services in cdma2000 System	498
<i>Omneya Issa, Jean-Charles Grégoire</i>	
Push Driven Service Composition in Personal Communication Environments	505
<i>Justinian Oprescu, Franck Rousseau, Laurentiu-Sorin Paun, Andrzej Duda</i>	
Performance Analysis and Modelling of an OSA Gateway	511
<i>Jens Andersson, Christian Nyberg, Maria Kihl</i>	
Experimental Results of 802.11a Wireless LAN System over Optical Fiber	518
<i>I. Haroun, F. Gouin, L. Boucher, L. Bouchard</i>	
Last Interaction Based Paging in Mobile Cellular Networks	526
<i>I.Z. Koukoutsidis, M.E. Theologou</i>	
Multi-period Channel Assignment	541
<i>Hakim Mabed, Alexandre Caminada, Jin-Kao Hao</i>	

Supporting UMTS QoS in Wireless LANs	555
<i>Nikos Passas, Dimitris Skyrianoglou, Apostolis K. Salkintzis</i>	
“On the Integration of MPEG-4 Streams Pulled Out of High Performance Mobile Devices and Data Traffic over a Wireless Network”	568
<i>Spyros Psychis, Polychronis Koutsakis, Michael Paterakis</i>	
Embedding MANETs in the Real World	578
<i>Christian Tschudin, Henrik Lundgren, Erik Nordström</i>	
Impact of Directional Antennas on Ad Hoc Routing	590
<i>Romit Roy Choudhury, Nitin H. Vaidya</i>	
A Rotational Sector-Based, Receiver-Oriented Mechanism for Location Tracking and Medium Access Control in Ad Hoc Networks Using Directional Antenna	601
<i>Tetsuro Ueda, Shinsuke Tanaka, Dola Saha, Siuli Roy, Somprakash Bandyopadhyay</i>	
Alleviating Effects of Mobility on TCP Performance in Ad Hoc Networks Using Signal Strength Based Link Management	611
<i>Fabius Klemm, Srikanth V. Krishnamurthy, Satish K. Tripathi</i>	
Energy Efficient Multicast Routing in Mobile Ad Hoc Networks	625
<i>Chor Ping Low, Chau Yuen</i>	
Providing Internet Access to IPv6 Mobile Personal Area Networks through UMTS	640
<i>Nikolaos Alexiou, Georgios Tsiouris, Efsthios Sykas</i>	
Smooth Handover and Optimized Uplink Routing in Cellular IPv6 Networks	651
<i>Rola Naja, Samir Tohmé</i>	
IPv6 Stateless Address Autoconfiguration in Ad Hoc Networks	665
<i>Zhong Fan</i>	
Performance Analysis of Fast Handover in Mobile IPv6 Networks	679
<i>Sangheon Pack, Yanghee Choi</i>	
A Novel Energy Efficient Communication Architecture for Bluetooth Ad Hoc Networks	692
<i>Carlos Cordeiro, Sachin Abhyankar, Dharma P. Agrawal</i>	
Design and Analysis of a Bluetooth-Based Indoor Localization System	711
<i>Raffaele Bruno, Franca Delmastro</i>	
On Efficient Topologies for Bluetooth Scatternets	726
<i>Daniele Miorandi, Arianna Trainito, Andrea Zanella</i>	

Enhancing Scatternets Performance via Scheduling Algorithm Parametrization	741
<i>Werner Priess, José Ferreira de Rezende, Luci Pirmez</i>	
Security in Ad Hoc Networks	756
<i>Refik Molva, Pietro Michiardi</i>	
Equilibrium Analysis of Packet Forwarding Strategies in Wireless Ad Hoc Networks – The Static Case	776
<i>Márk Félegyházi, Levente Buttyán, Jean-Pierre Hubaux</i>	
Towards Reliable Forwarding for Ad Hoc Networks	790
<i>Marco Conti, Enrico Gregori, Gaia Maselli</i>	
Towards a Novel Transport Protocol for Ad Hoc Networks	805
<i>G. Anastasi, A. Passarella</i>	
An Enhanced MAC Architecture for Multi-hop Wireless Networks	811
<i>R. Bernasconi, I. Defilippis, S. Giordano, A. Puiatti</i>	
On Demand Network Level Service Deployment in Ad Hoc Networks	817
<i>Daniel Prince, Andrew Scott, W.D. Shepherd</i>	
A Context-Aware Location Service for Metropolitan Ad Hoc Networks	823
<i>Giovanni Turi</i>	
A Novel Approach for Distributed Simulation of Wireless Mobile Systems	829
<i>Luciano Bononi, Gabriele D'Angelo</i>	
Enhanced Power Saving Scheme for IEEE 802.11 DCF Based Wireless Networks	835
<i>Jong-Mu Choi, Young-Bae Ko, Jai-Hoon Kim</i>	
Are Classes of Nodes with Different Power Amplifiers Good for Wireless Multi-hop Networks?	841
<i>Martin Kubisch, Holger Karl, Adam Wolisz</i>	
Solar-Aware Routing in Wireless Sensor Networks	847
<i>Thiemo Voigt, Hartmut Ritter, Jochen Schiller</i>	
Author Index	853