

Technical Program for IWCMC 2008

Program at a Glance

Crete Island, Greece

August 6-8, 2008

Date	Time	Place/Room			
		ATHENA Room	APHRODITE Room	EUROPA Room	DANAE Room
August 6th (Wednesday)	8:30-8:40	OPENING REMARKS			
	8:40-9:45	Keynote I: Hype, Myths and Promising Technologies for Future Wireless Systems Speaker: Reinaldo A. Valenzuela, Bell Labs, Lucent Technologies, USA Chair: Mohsen Guizani, Western Michigan University, USA			
	9:45-10:15	Coffee Break			
	10:15-12:30	W1-A	W1-B	W1-C	W1-D
	12:30-13:30	Lunch Break			
	13:30-15:30	W2-A	W2-B	W2-C	W2-D
	15:30-16:00	Coffee Break			
	16:00-17:30	W3-A	W3-B	W3-C	W3-D
	17:45-19:30	Panel Session: Future Challenges Facing the Mobile Computing and Wireless Communications Communities			
20:00-21:00	Reception				
August 7th (Thursday)	8:30-9:45	Keynote II: Mobile Agents for Adaptive Reconfigurable Wireless Networks Speaker: Victor C. M. Leung, Univ. of British Columbia, Canada Chair: Xi Zhang, Texas A&M University, USA			
	9:45-10:15	Coffee Break			
	10:15-12:30	T1-A	T1-B	T1-C	T1-D
	12:30-13:30	Lunch Break			
	13:30-15:30	T2-A	T2-B	T2-C	T2-D
	15:30-16:00	Coffee Break			
	16:00-17:30	T3-A	T3-B	T3-C	T3-D
19:00-21:00	Gala Dinner				
August 8th (Friday)	8:30-10:30	F1-A	F1-B	F1-C	F1-D
	10:30-11:00	Coffee Break			
	11:00-12:30	F2-A	F2-B	F2-C	F2-D
	12:30-13:30	Lunch Break			
	13:30-15:30	F3-A	F3-B	F3-C	F3-D

Technical Program for IWCMC 2008

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August 6-8, 2008

WEDNESDAY, August 6, 2008

REGISTRATION (07:30 – 17:00)

OPENING REMARKS (08:30 – 08:40)

Room: ATHENA + ARTEMIS

Hsiao-Hwa Chen, IWCMC 2008 General Chair

Xi Zhang, IWCMC 2008 Technical Program Chair

Keynote Speech (08:40 – 09:45)

Room: ATHENA + ARTEMIS

Speaker: Reinaldo A. Valenzuela, Bell Labs, Lucent Technologies, USA

Title: Hype, Myths and Promising Technologies for Future Wireless Systems

Chair: Mohsen Guizani, Western Michigan University, USA

COFFEE BREAK (09:45 – 10:15)

SESSION W1-A (10:15 – 12:30)— Invited Papers Session

Room: ATHENA

Session Chair: Ananthram Swami, Army Research Lab., USA

1569106807	<i>Convex Approximation-based Joint Power and Admission Control for Cognitive Underlay Networks</i>	Nikos Sidiropoulos; Ioannis Mitliagkas (Technical university of Crete, GR); Ananthram Swami (Army Research Lab., USA)
1569122453	<i>Asymptotically optimal policies for wireless networks with rechargeable batteries</i>	Leandros Tassioulas (University of Thessaly, GR); Leonidas Georgiadis (Aristotle University of Thessaloniki, GR); Marios Gatzianas (University of Thessaloniki, GR)
1511119999	Network Coding over Dynamically Changing Networks	Christina Fragouli, (EPFL, Switzerland)
1522229999	Distributed decision in wireless sensor networks through self-synchronization of relaxation oscillators	S. Barbarossa, P. Di Lorenzo, (University of Rome 'La Sapienza', IT)
1533339999	Robust Stochastic routing in wireless ad-hoc networks	A. Ribeiro, G. B. Giannakis (University of Minnesota, USA)
1544449999	Approximate characterization of	Salman Avestimehr (UC Berkeley, USA), S. N.

	capacity in Gaussian relay networks	Diggavi (EPFL, Switzerland) and David Tse (UC Berkley, USA)
1569108299	Co-channel Interference Avoidance MAC in Wireless Cellular Networks	Guowang Miao and Geoffrey Li (Georgia Tech, USA); Nageen Himayat and Shilpa Talwar (Intel, USA)

SESSION W1-B (10:15 – 12:30)

Room: APHRODITE

Next Generation Mobile Networks Symposium: Mobility and Security Protocols

Session Chair: Juhani Latvakoski, VTT Technical Research Centre of Finland, Finland

1569105589	<i>Performance Analysis of Next Generation Mobility Protocols for IMS/MMD Networks</i>	Tsunehiko Chiba; Hidetoshi Yokota (KDDI Labs, Japan); A. Dutta; Dana Chee (Telcordia Technologies, USA); H. Schulzrinne (Columbia University, USA)
1569099109	<i>Evaluating the benefits of introducing PMIPv6 for localized mobility management</i>	Jun Lei, Xiaoming Fu (University of Goettingen, Germany)
1569117740	<i>A hierarchical route optimization scheme for next generation mobile network</i>	Gao Han (Northeastern University of China, P.R.C.)
1569096415	<i>Secure Network configuration and Route Discovery for Hybrid Mobile Ad hoc Networks</i>	Juhani Latvakoski (VTT Technical Research Centre of Finland, Finland)
1569097449	<i>Modeling and Analysis of A Self-learning Worm Based on Good Point set Scanning</i>	Fangwei Wang (Xidian University, China); Yun-kai Zhang (Hebei Normal University, China); Jian-feng Ma (Xidian University, China)
1569097945	<i>Analysis of the cost/performance tradeoffs of SSL acceleration</i>	Maurizio Decina; Paolo Giacomazzi; Alessandro Poli (Politecnico di Milano, Italy)
1569106769	<i>On Detecting Port Scanning using Fuzzy Based Intrusion Detection System</i>	Wassim El-Hajj (UAE University, UAE); Fadi Aloul (American University of Sharjah, UAE); Zouheir Trabelsi (UAE University, UAE)

SESSION W1-C (10:15 – 12:30)

Room: EUROPA

Cross-Layer Optimized Wireless Networks Symposium: QoS and Energy-Efficient Design

Session Chair: Peter T. S. Yum, Chinese University of Hong Kong, Hong Kong, China

1569098809	Cross-Layer Transmission Scheme with QoS Considerations for Wireless Mesh Networks	Chin-Fu Kuo (National University of Kaohsiung, TW)
1569116085	Construction of a Low Energy Cost Power Spanner for Wireless Ad hoc Networks	MohammadReza EbrahimiDishabi (Islamic Azad University Miyaneh Branch, IR)
1569117599	Tier based Anycast to achieve	Wooguil Pak; Jin-Ghoo Choi; Saewoong Bahk

	Maximum Lifetime by Duty Cycle Control in Wireless Sensor Nets	(Seoul National University, KR)
1569117781	Congestion Avoidance Routing Protocol for QoS-Aware MANETs	Consolee Mbarushimana; Alireza Shahrabi (Glasgow Caledonian University, UK)
1569120947	Energy Efficient Topology Control Algorithm for Wireless Mesh Networks	Felix Aron (Tshwane University of Technology, ZA); Thomas Olwal (CSIR, ZA)
1569121190	QoS Aware Dynamic Resource Allocation in Multiuser OFDM Systems with Priority for Different Services	Reihaneh Lavafi; Hamid Ramezani ((Iran University of Science and Technology, IR)

SESSION W1-D (10:15 – 12:30)

Room: DANAE

Mobile Computing Symposium: Pervasive Networks – Mobility/MAC Issues

Session Chair: Changwoo Pyo, NICT, Japan

1569110071	<i>A Velocity-based Bicastig Handover Scheme for 4G Mobile Systems</i>	Namgi Kim (KAIST, KR)
1569116499	<i>Predictive Group Handover Scheme with Channel Borrowing for Mobile Relay Systems</i>	Lianhai Shan (Tongji University, CN); Liping Wang (Graduate University for Advanced Studies, JP); Liu Fuqiang (Tongji University, Shanghai, China, CN); Yusheng Ji (National Institute of Informatics, JP)
1569117519	<i>A Novel Location Predicting Algorithm in Hostile MANET using Directional Antennas</i>	Xiaofeng Lu (University of Cambridge, UK)
1569118199	<i>Neighbor Selection Algorithm for Ad hoc Networks with Highly Dynamic Urban Mobility</i>	Akira Uchiyama; Sae Fujii; Takaaki Umedu; Hirozumi Yamaguchi; Teruo Higashino (Osaka University, JP)
1569103259	<i>Metropolitan-Scale Location Estimation Using FM Radio with Analysis of Measurements</i>	Shih-Hau Fang (National Taiwan University, TW)
1569116274	<i>Performance Improvement through Relay-Channel Partitioning and Reuse in OFDMA Multihop</i>	Liping Wang (the Graduate University for Advances Studies, JP); Yusheng Ji (NII, JP); Fuqiang Liu (Tongji University, CN); Jie Li (University of Tsukuba, JP)
1569116765	<i>On the Throughput-Delay Tradeoff in the Diamond Relay Networks</i>	Qing Wang (Tsinghua University, CN); Pingyi Fan (Tsinghua University, CN)
1569114017	<i>MAC Enhancement for Gbps Throughput Achievement in Millimeter-Wave Wireless PAN Systems</i>	ChangWoo Pyo (NICT, JP)

LUNCH BREAK (12:30 – 13:30)—On your Own

SESSION W2-A (13:30 – 15:30)

Room: ATHENA

Communication and Information Theory Symposium: Comm. & Info. Theory I**Session Chair:** Sajjad Hussain, SUPELEC, France

1569107003	<i>Performance of Continuous-Phase, Unmodulated Parallel-Combinatory High-Compaction Multicarrier Modulation</i>	Ryuji Hayashi; Masanori Hamamura (Kochi University of Technology, JP)
1569116785	<i>Tone Reservation's complexity reduction using fast calculation of maximal IDFT element</i>	Sajjad Hussain (SUPELEC, FR); Yves Louet (SUPELEC-Rennes Campus, FR)
1569116823	Multi-Group Frequency Hopping OFDMA Based on Statistical Multiplexing	Xinghui Su; Tiejun Lv (Beijing University of Posts and Telecommunications, CN)
1569116729	<i>Implementation of 128-Point Fast Fourier Transform Processor for UWB Systems</i>	Sangin Cho (Electronics and Telecommunications Research Institute, KR)
1569117843	<i>Performance Evaluation of Multiple-Access Dual-Pulse Transmitted Reference UWB Systems</i>	Jimmy Wono Tampubolon Baringbing; Klaus Witrissal (Graz University of Technology, AT)
1569120832	<i>Channel Capacity Evaluation of Single Antenna Interference Cancellation for Single Carrier Transmission Systems</i>	Patrick Nickel; Wolfgang Gerstaecker; Wolfgang Koch (University of Erlangen, DE)
1569117767	<i>Effects of Post and Early Selection on SEC Based Transmit Diversity Systems with Linear Power Loading</i>	Mazen Hasna (Qatar University, QA)

SESSION W2-B (13:30 – 15:30)

Room: APHRODITE

Next Generation Mobile Networks Symposium: Scheduling and Admission Control**Session Chair:** Ki-Dong Lee, LG Electronics Mobile Research, USA

1569117143	<i>Distributed Timeslot Allocation Based on Inter-Cell Information Exchange in TDD-CDMA Cellular Systems Supporting Multi-Class Services</i>	Ki-Dong Lee (LG Electronics Mobile Research, USA); Victor Leung (The University of British Columbia, Canada)
1569107523	<i>Multiuser Scheduling in HSDPA using Simulated Annealing</i>	Raymond Kwan; Mehmet Aydin (University of Bedfordshire, UK); Cyril Leung (University of British Columbia, Canada); Jie Zhang (University of Bedfordshire, UK)

1569107943	<i>Hybrid Call Admission Control Policy for Next Generation Mobile Networks</i>	Tarek Bejaoui (Carthage University, TN); Nidal Nasser (University of Guelph, Canada)
1569113799	<i>A Prediction-based Scheduling Mechanism for Interconnection between WiMax and Satellite Networks</i>	Sasa Lygizou; Nikos Passas; Spyros Xergias; Lazaros Merakos (University of Athens, GR)
1569116439	<i>Integrated Radio Resource Management Strategy on Cross-layer Architecture</i>	Feng Chen (University of Beijing Jiaotong, P.R.C.)
1569117320	<i>Mobile agents for flow scheduling support in 4G multihomed mobile hosts</i>	Vassilis Zafeiris; Emmanouel Giakoumakis (Athens University of Economics and Business, GR)

SESSION W2-C (13:30 – 15:30)

Room: EUROPA

Cross-Layer Optimized Wireless Networks Symposium: Capacity Optimization, Routing, and Security

Session Chair: Xi Zhang, Texas A&M University, USA

1569131187	Effective Capacity Optimization with Layered Transmission for Multicast in Wireless Networks	Xi Zhang; Qinghe Du (Texas A&M University, USA)
1569098720	On the Design of Routing Protocols in MIMO Ad Hoc Networks under Uniform and Correlated Traffic	Paolo Casari; Marco Levorato; Daniele Mazzi; Michele Zorzi (University of Padova, IT)
1569106212	A Hybrid Cross Layer Architecture For Wireless Protocol Stacks	Zhijiang Chang (Delft University of technology, NL); Georgi Gaydadjiev (Technical University of Delft, NL)
1569117487	Circuit-switching physical layer based on time-frequency coding for multi-band UWB wireless networks	Vasily Aristarkhov (Nizhniy Novgorod State Technical University, RU)
1569118159	Mobility Assisted Routing Strategy (MARS) for Hybrid Ad Hoc Networks	Yibo Zhu; Xiaojun Wu (Xi'an Jiaotong University, CN)

SESSION W2-D (13:30 – 15:30)

Room: DANAE

Mobile Computing Symposium: Pervasive Services and Applications

Session Chair: Kun Yang, University of Essex, United Kingdom

1569100662	A Personal Content Manager Architecture for Personal Distributed Environment	Alexnewton Alexander; John Dunlop; John Bush (University of Strathclyde, UK)
1569116885	Profiling of the services and applications in mobile wireless networks	Petri Hiirsalmi; Kari Heikkinen; Jari Porras (Lappeenranta University of Technology, FI)
1569108169	Pervasive Service Creation using a	Achilleas Achilleos; Kun Yang (University of Essex,

	Model Driven Petri Net based Approach	UK); Nektarios Georgalas; Manooch Azmoodeh (British Telecom Group, UK)
1569117529	A Component Framework for Context-Awareness	Rossano Pinto; Eleri Cardozo (State University of Campinas, BR); Eliane Guimarães (CenPRA, BR)
1569107841	Using Personalized Mashups for Mobile Location Based Services	Athanasios Vouloudimos; Charalampos Patrikakis (National Technical University of Athens, GR)

COFFEE BREAK (15:30 – 16:00)

SESSION W3-A (16:00 – 17:30)

Room: ATHENA

WiMax/WiBro Services and QoS Management Symposium: Performance Analysis for WiMax/WiBro Systems

Session Chair: Der-Jiunn Deng, National Changhua University, Taiwan

1569100213	<i>Delay Analysis and Performance Evaluation of a Guaranteed QoS Provisioning Mechanism for Real-Time Traffic in IEEE 802.16e BWA Systems</i>	Der-Jiunn Deng; Chih-Heng Ke; Yueh-Min Huang (National Cheng Kung University, Taiwan, Taiwan); Hsiao-Hwa Chen (National Cheng Kung University, Taiwan)
1569106261	<i>Probability Bounds of Throughput Performance of Real-Time Traffic in WiMAX Networks</i>	Yasser Gadallah (UAE University, UAE); Mohammad Hayajneh (UAU, UAE)
1569108273	<i>Experimental Evaluation of IEEE 802.16 WiMAX Performances at 2.5 GHz Band</i>	Annalisa Durantini (Consorzio Universit`a Industria Laboratori di Radiocomunicazioni, IT); Mrrarco Petracca (University of Rome "Tor Vergata", IT); Fulvio Ananasso (AGCOM, Autorit`a per le Garanzie nelle Comunicazioni Centro Direzionale, IT)
1569118119	<i>MRC-based Decision-Directed LMMSE Channel Estimation for Efficient OFDM Transmit Diversity</i>	Jeong-Wook Seo, Youn-Sung Lee, Hyun-Sik Kim, Jong-Ho Paik, Seok-Pil Lee (KETI, South Korea), Minho Jo (Sungkyunkwan Univ., South Korea), and Dong-Ku Kim (Yonsei Univ., South Korea)

SESSION W3-B (16:00 – 17:30)

Room: APHRODITE

Next Generation Mobile Networks Symposium: Performance Modeling and Analysis

Session Chair: Abdelhamid Mellouk, University Paris XII, France

1569118019	<i>Performance Evaluation of an Adaptive State Dependent Mean Delay Routing Algorithm for MANET</i>	Abdelhamid Mellouk (University Paris XII, France)
1569108341	<i>System-Level Modeling and Performance Evaluation of 802.16j Multi-hop Relay Systems</i>	Hui Zeng (University of Maryland, College Park, USA); Chenxi Zhu (Fujitsu Labs of America, USA)
1569117517	<i>The Capacity of Gaussian 'Light'</i>	Zahoor Ahmed; Jean Pierre Cances (University of

	<i>Relay Channel</i>	Limoges, France)
1569121137	<i>Channelization in Ultra Mobile Broadband Communication Systems: The Reverse Link</i>	Michael Wang (Qualcomm Inc., USA)
1569118638	<i>Cognitive Wireless Mesh Network Testbed</i>	Christopher Edmonds; Daniel Joiner; Steven Springer; Kris Stephen; Bechir Hamdaoui (Oregon State University, USA)

SESSION W3-C (16:00 – 17:30)

Room: EUROPA

Wireless Sensor Networks Symposium: MAC and Data-Link Layer Algorithms

Session Chair: Wassim El-Hajj, UAE University, UAE

1569107585	An Energy-Efficient MAC Protocol for Low Traffic Wireless Sensor Nets	Thomas Trathnigg; Reinhold Weiss; Jürgen Moser (Graz University of Technology, AT)
1569107236	Co-Design of Efficient Contention MAC with Directional Antennas in Wireless Sensor Networks	Joan Cortes; John Dunlop (University of Strathclyde, UK)
1569117856	Channel-Aware Link Layer ARQ Strategies in Wireless Networks	Swades De (Indian Institute of Technology, Delhi, IN)
1569117701	Power allocation for distortion outage minimization in clustered wireless sensor networks	Subhrakanti Dey; Chih-Hong Wang (University of Melbourne, AU)
1569121493	Energy Efficiency Analysis of Error Control Schemes in Wireless Sensor Networks	Zhen Tian; Dongfeng Yuan; Quanquan Liang (Shandong University, China, CN)

SESSION W3-D (16:00 – 17:30)

Room: DANAE

Multimedia over Wireless Symposium: Video Coding and Transmission in Wireless Networks

Session Chair: Lisimachos Kondi, University of Ioannina, Greece

1569106945	Bandwidth Efficient Wireless Video Streaming Based Upon Multipath SVC Multicasting	Che-Min Lin; John Zao; Wen-Hsiao Peng; Hsin-Min Chen; Chia-Chi Hu (National Chiao-Tung University, Taiwan)
1569107201	Cross-Layer Optimization for H.264/AVC Video Transmission Over Space-Frequency (SF) Coded MIMO-OFDM Systems	Saurav Bandyopadhyay (W&W Communications, USA); Srinivas Prasad (Qualcomm Inc., USA); Lisimachos Kondi (University of Ioannina, GR)
1569107695	Transmission Schemes for Scalable Video Streaming in a Multicast Environment	Khaled Bouchireb; Pierre Duhamel (LSS-CNRS-Supelec, France)
1569107755	P-Picture based H.264 AVC to H.264 SVC temporal transcoding	Ali Dziri; Amadou Diallo; Michel Kieffer; Pierre Duhamel (LSS-CNRS-Supelec, France)
	Intelligent EPD for RTP-based	Tsang-Ling Sheu; Yung-Shih Yung-Shih Chi

1569107993	Video Streaming over Multi-hop Ad Hoc Networks	(National Sun Yat-Sen University, Taiwan)
1569108033	Low Complexity Motion Model Analysis for Distributed Video Coding	Yu-Chen Sun; Chun-Jen Tsai (National Chiao-Tung University, Taiwan)

Panel Session (17:45 – 19:30)

Reception (20:00 – 21:00)

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THURSDAY, August 7, 2008

Keynote Speech (08:30 – 09:45)

Room: ATHENA + ARTEMIS

Speaker: Victor C. M. Leung, Univ. of British Columbia, Canada

Title: Mobile Agents for Adaptive Reconfigurable Wireless Networks

Chair: Hsiao-Hwa Chen, National Cheng Kung University, Taiwan

COFFEE BREAK (09:45 – 10:15)

SESSION T1-A (10:15 – 12:30)

Room: ATHENA

Communication and Information Theory Symposium: Comm. & Info. Theory III

Session Chair: Mazen Hasna, Qatar University, Qatar

1569117061	<i>Shannon Capacity for A Simple Communication Channel Model in Dense MANETs</i>	Renato Moraes); Carlos Eduardo Buarque; Fagner Araujo (University of Pernambuco (UPE), BR)
1569120953	<i>Application of empirical distribution approach using 6 dimensional model</i>	Guillaume Raux (Texas A&M University, USA); Hyeon-Cheol Lee (Korea Aerospace Research Institute, KR); Don Halverson (Texas A&M University, USA)
1569117645	<i>A New Approach of Selective Multiuser Diversity for Nakagami Fading Channels</i>	Oscar Filio (National Polytechnic Institute, MX); Valeri Ya Kontorovitch; Fernando Ramos-Alarcón (CINVESTAV IPN MX, MX)
1569117027	<i>Performance Analysis of Incremental Relaying Transmission with Adaptive QAM Over Nakagami-m Fading Channels</i>	Kyu-Sung Hwang; Young-Chai Ko (Korea University, KR); Mohamed-Slim Alouini (Texas A&M University at Qatar, QA)
1569107707	<i>The Average Hamming Correlation for the Cubic Polynomial Hopping Sequences</i>	Peng Daiyuan (Southwest Jiaotong University, CN)

SESSION T1-B (10:15 – 12:30)

Room: APHRODITE

Next Generation Mobile Networks Symposium: QoS Provisioning for Wireless Multimedia**Session Chair:** Polychronis Koutsakis, McMaster University, Canada

1569112377	<i>Integrating Multimedia Traffic with Strict QoS in Wireless Cellular Networks</i>	Polychronis Koutsakis (McMaster University, Canada); Aggelos Lazaris (Technical University of Crete, GR)
1569117067	<i>Delay-Aware Rate Control for Multi-User Scalable Video Streaming Over Mobile Wireless Networks</i>	Hassan Mansour; Vikram Krishnamurthy; Panos Nasiopoulos (University of British Columbia, Canada)
1569117431	<i>High-Speed Multimedia Services for Next Generation Multihop Cellular Networks</i>	Maryam Arabshahi; Peter H. J. Chong (Nanyang Technological University, SG)
1569117249	<i>Enhancing the Users' Experience in a Discontinuous Coverage Architecture</i>	Mazen Tlais (INRIA - Rennes, France)
1569106795	<i>Towards Always Best Connected Multi-Access: the MULTINET Approach</i>	Qi Wang; Robert Atkinson; John Dunlop (University of Strathclyde, UK)
1569118081	<i>Increasing Connection Lifetimes through Dynamic Distribution of Budgeted Power</i>	Bilal Khan; Zeki Bilgin (City University Of New York, USA)

SESSION T1-C (10:15 – 12:30)

Room: EUROPA

Wireless Sensor Networks Symposium: Clustering and Routing Algorithms**Session Chair:** Thomas Kunz, Carleton University, Canada

1569117868	RZRP: A Pure Reactive Zone-based Routing Protocol with Location-based Predictive Caching Scheme for Wireless Mobile Ad Hoc Networks	Weibo Chen (University of Essex, UK); Kun Yang (University of Essex, UK)
1569112607	SERENA: Scheduling Router Nodes Activity in wireless ad hoc and sensor networks	Pascale Minet (INRIA, FR); Saoucene Mahfoudh (INRIA, FR)
1569109663	Energy-Efficient Variations of OLSR	Thomas Kunz (Carleton University, Canada)
1569107051	A WSN/MANET Hybrid Protocol for Routing Data in Heterogeneous Wireless Sensor Networks	Yasser Gadallah; Hadeel El-Kassabi (UAE University, AE)
1569115755	Towards a Distributed Clustering Scheme Based on Spatial Correlation in WSNs	Duc Le (Sungkyunkwan University, KR)
1569108323	Energy aware Passive Clustering in Wireless Mobile Networks	Abdel Hafid (University of Montreal, CA)

SESSION T1-D (10:15 – 12:30)

Room: DANA E

Wireless LANs and Wireless PANs Symposium: Topics in Wireless Networks**Session Chair:** Liqiang Zhao, University of Bedfordshire, United Kingdom

1569106701	ShareAnywhere: a platform for developing mobile sharing applications	Alessandro Leonardi; Giacomo Morabito; Sergio Palazzo; Antonio Pantò; Francesco Scoto (University of Catania, IT)
1569108183	Study and Design of QoS-based VoIP	Salma Korchi (Alakhawayne University, MA)
1569091918	Efficient Mobility Management Protocols for Integrated UMTS and Outdoor WLAN 802.11g	Ahmed Khalifa (National Telecommunication Institute, EG); Hisham Abdel-Ghaffar (Arab Academy of Marine Transportation, EG); Hanaa Ebrahim (National Telecom. Institute, EG)
1569108077	“DV-Flood”: An Optimized Flooding and Clustering based Approach for Lookup Acceleration in P2P networks	Amad Mourad (University of Bejaia, DZ); Ahmed Meddahi (GET/Telecom Lille 1, FR)
1569108313	Hierarchical Path Metric in Multi-Hop Wireless Networks	Yuanzhu Chen (Memorial University of Newfoundland, CA); Lijun Qian (Prairie View A&M University, USA)
1569099151	Game-theoretic Cross-layer Design in WLANs	Liqiang Zhao (University of Bedfordshire, UK)

LUNCH BREAK (12:30 – 13:30) —On your Own**SESSION T2-A (13:30 – 15:30)**

Room: ATHENA

Computer and Network Security Symposium: Wireless Security**Session Chair:** Abderrahim Benslimane, University of Avignon, France

1569106300	Efficient Group Key Establishing Scheme with Resource-and-location-aware	Xiaozhuo Gu (National Digital Switching System Engineering & Technological R&D Center, CN); Jianzu Yang (Information Engineering University, CN)
1569106637	Protecting Sensor Networks using Risk Analysis	Johnson Thomas; Zhengming Shen; Lakshmi Kanth Chandra Mohan; Ling Zhu (Oklahoma State University, US)
1569108107	Smart Attacks based on Control Packets Vulnerabilities with IEEE 802.11 MAC	Abderrezak Rachedi; Abderrahim Benslimane (University of Avignon, FR)
1569108125	Implementation of a Covert Channel in the 802.11 Header	Zouheir Trabelsi (UAE University, UAE); Lilia Frokha (SupCom, TN)
1569114885	Measuring Defence Systems Against Flooding Attacks	Martine Bellaïche (École Polytechnique, Canada); Jean-Charles Gregoire (University of Quebec,

		Canada)
1500009999	ARSoS: an Adaptive, Robust and Sub-optimal Strategy for Automated Deployment of Anomaly Detection System in MANETs	Zonghua Zhang, Farid Naït-Abdesselam, and Soufiene Djahel (University of Sciences and Technologies of Lille, France)

SESSION T2-B (13:30 – 15:30)

Room: APHRODITE

Next Generation Mobile Networks Symposium: Performance Enhancement Techniques and Protocols

Session Chair: Michael Wang, Qualcomm Inc., USA

1569105833	<i>Channelization in Ultra Mobile Broadband Communication Systems</i>	Michael Wang (Qualcomm Inc., USA)
1569108383	<i>Addressing the hidden beam problem using a modified beamformer</i>	Deepali Arora; Pan Agathoklis (University of Victoria, Canada)
1569117123	<i>Minimum Interference Channel Assignment for Multicast in Multi-Radio Wireless Mesh Networks</i>	Hoang Lan Nguyen (York University, Canada)
1569116583	<i>Greedy Routing Protocols for Vehicular Ad Hoc Networks</i>	James Bernsen; D. Manivannan (University of Kentucky, USA)
1569100191	<i>Error Propagation Mitigation for Wireless Network Coding</i>	Eduardo Alban; Mario Magaña; Thanh Nguyen (Oregon State University, USA)

SESSION T2-C (13:30 – 15:30)

Room: EUROPA

WiMax/WiBro Services and QoS Management Symposium: WiMax/WiBro Network and Resource Management

Session Chair: Wataru Matsumoto, Mitsubishi Electric Co., Japan

1569104739	<i>A Cross-layer Vertical Handover between Mobile WiMAX and 3G Networks</i>	Jaeho Jo; Jinsung Cho (Kyung Hee University, South Korea)
1569107405	<i>Enhanced HARQ technique using Self-Interference Cancellation Coding(SICC)</i>	Wataru Matsumoto (Mitsubishi Electric Corporation, Japan); Philip Orlik (Mitsubishi Electric, USA); Andreas Molisch (MERL Technology Lab, USA); Zhifeng Tao (Mitsubishi Electric Research Laboratories, USA); Jinyun Zhang (MERL, USA); Toshiyuki Kuze (Mitsubishi Electric Co., Japan)
1569108121	<i>Novel Cooperative Transmission Using Matching Algorithm for WiMax Mesh Networks</i>	Hank Wong; Shih Yu Chang (National Tsing Hua University of Taiwan, Taiwan); Hsiao-Chun Wu (Louisiana State University, USA)

1569116377	<i>A New Handover Mechanism for IEEE 802.16e Wireless Networks</i>	Hossam Fattah; Hussein Alnuweiri (Texas A&M University at Qatar, Qatar)
1569116949	<i>Fractional Frequency Reuse Planning for WiMAX over Frequency Selective Channels</i>	Romeo Giuliano (Università di Roma Tor Vergata, RadioLabs, IT); Pierpaolo Loreti (University of Rome "Tor Vergata", IT); Franco Mazzenga (Università di Roma Tor Vergata, IT); Giovanni Santella (AGCOM, IT)

SESSION T2-D (13:30 – 15:30)

Room: DANAE

Wireless LANs and Wireless PANs Symposium: Channel Capacity

Session Chair: Tuncer Baykas, National Institute of Information and Communications Technology, JP

1569108233	A Feasible Frequency Domain Pre-Equalization Proposal Based on Cross Layer Design in 60GHz WPANs	Junyi Wang (NICT, JP)
1569108961	Performance of Trellis-Coded-Modulation for a Multi-Gigabit Millimeter-Wave WPAN System in the Presence of Hardware Impairments	Chin-Sean Sum; Tuncer Baykas; Ming Lei; Yoshinori Nishiguchi (NICT); Ryota Kimura (Sony Corporation, JP); Ryuhei Funada; Yozo Shoji; Hiroshi Harada; Shuzo Kato (NICT, JP)
1569117957	Header Performance Improvement in 60 GHz Single Carrier WPAN system	Tuncer Baykas (National Institute of Information and Communications Technology, JP)
1569118075	Unequal Error Protection for Compressed Video Streaming on 60GHz WPAN System	Zhou Lan (National Institute of Information and Communications Technology, JP)
1569106813	Differential Sensing Under Varying Primary Activity Factor in Cognitive Wireless Personal Area Networks	Jelena Masic; Vojislav Masic (University of Manitoba, CA)
1569108063	WLAN/WDS Performance using Directive Antennas in Highly Mobile Scenarios: Experimental Results	George Zaggoulos; Andrew Nix (University of Bristol, UK)

COFFEE BREAK (15:30 – 16:00)

SESSION T3-A (16:00 – 17:30)

Room: ATHENA

Mobile Computing Symposium: Pervasive Networks – Network Layer

Session Chair: Yan Zhang, Simula Research Laboratory, Norway

1569107825	<i>Performance Analysis of a New Architecture for Mobility Support IP</i>	Thienne Johnson; Eduardo Zagari; Rodrigo Prado (State University of Campinas, BR); Tomás Badan
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	<i>Networks</i>	(Federal University of Goiás, BR); Eleri Cardozo (State University of Campinas, BR); Lars Westberg (Ericsson Research, SE)
1569117771	<i>Call Admission Control in Wireless Networks: Probabilistic Approach and Efficiency Evaluation</i>	Dimitrios Stratogiannis; Georgios Tsiropoulos; Panayotis Cottis (National Technical University of Athens, GR)
1569120933	<i>A Game Theory Based Wireless Data Access in Energy-limited Networks</i>	Wei Li; Pingyi Fan (Tsinghua University, CN); Jie Li (University of Tsukuba, JP); Khaled Ben Letaief (Hong Kong Univ. of Science & Technology, HK)
1569107741	<i>Optimal Spectrum Scheduling in Cognitive Wireless Mesh Networks</i>	Qin Xin; Yan Zhang; Jie Xiang (Simula Research Laboratory, NO)

SESSION T3-B (16:00 – 17:30)

Room: APHRODITE

Workshop 1—Chair: Karim Kabalan, American University of Beirut, Lebanon

1569113757	A Modified Bowtie Antenna Design for WiFi and WiMAX Applications	Youssef Tawk (University of New Mexico, US); Karim Kabalan; Ali El-Hajj; Mohammed Al-Husseini (American University of Beirut, LB)
1569116113	A New Modified Ultra Wideband Circular Disc Dipole Antenna for UWB Systems	Soubhi Abou Chahine (Beirut Arab University, LB)
1569124291	Ground Plane Considerations for Printed Monopole Antennas Integrated into Wireless Sensor Devices	Constantine Kakoyiannis (National Technical University of Athens, GR)
1569107850	A Low Complexity Resource Allocation Algorithm with Increasing Capacity in Cooperative OFDMA Systems	Choong-Wan Park; Won-Chul Choi; Seokkwon Kim; Dong-Jo Park (Korea Advanced Institute of Science and Technology, KR)

SESSION T3-C (16:00 – 17:30)

Room: EUROPA

Wireless Sensor Networks Symposium: Coverage, Localization and High-layer Algorithms

Session Chair: Madjid Merabti, Liverpool John Moores University, United Kingdom

1569121175	A Self-organizing Concurrent Global Information Dissemination Scheme for Sensor Networks	Ehssan Sakhaee; Naoki Wakamiya; Masayuki Murata (Osaka University, JP)
1569116795	Performance Study for Coverage Control Protocols under Ranging and Localization Errors in Large-Scale Wireless Sensor Networks	Bang Wang; Cheng Fu; Hock Beng Lim (Nanyang Technological University, SG)

1569112241	Energy-Efficient Mechanisms for Coverage Recovery in WSNs	Chih-Yung Chang; Hsu-Ruey Chang; Sheng-Wen Chang (Tamkang University, TW)
1569107881	Tunable Localization of Wireless Sensor Networks	Juo-Yu Lee (UCLA, US)
1569118003	Context-Aware Privacy Protection for Wireless Sensor Networks in Hybrid Hierarchical Architecture	Anelia Mitseva (CTIF, Aalborg University, DK); Satya Ardhy Wardana (Center for TeleInfrastruktur (CTIF), Aalborg University, DK); Neeli Prasad (Center for TeleInfrastruktur (CTIF), DK)
1569121131	A Fault Management Architecture For Wireless Sensor Network	Muhammad Asim; Hala Mokhtar; Madjid Merabti (Liverpool John Moores University, UK)

SESSION T3-D (16:00 – 17:30)

Room: DANAE

Wireless LANs and Wireless PANs Symposium: Energy Saving & Routing

Session Chair: Jalal Almhana, Universite de Moncton, Canada

1569109669	Energy-Efficient OLSR: Ideal vs. Realistic Performance	Thomas Kunz (Carleton University, CA)
1569118531	Enhancing power saving mechanisms for ad hoc networks using neighborhood information	Akkari Wafa; Abdelfettah Belghith (Ecole Nationale des Sciences de l'Informatique, TN); Adel Ben Mnaouer (7th November University, TN)
1569116691	A Fuzzy Logic-based Delivery Framework for Optimized Routing in Mobile Ad Hoc Networks	Yaozhou Ma; M. Rubaiyat Kibria; Abbas Jamalipour (University of Sydney, AU)
1569099941	Coding Schemes Applied to Peak-to-Average Power Ratio (PAPR) Reduction in OFDM Systems	Jyh-Horng Wen; Gwo-Ruey Lee; Chih-Chung Kung (National Chung Cheng University, TW); Cheng-Ying Yang (National Formosa University, TW)
1569107832	A Traffic Specific Energy Saving Strategy for Mobile Stations in Wireless Networks	Zikuan Liu; Jalal Almhana (Universite de Moncton, CA)

GALA DINNER (19:00 – 21:00)

FRIDAY, August 7, 2008

SESSION F1-A (08:30 – 10:30)

Room: ATHENA

General Symposium: Wireless Ad Hoc, WiMax, and UWB Networks

Session Chair: Lisimachos Kondi, University of Ioannina, Greece

1569100241	Performance Analysis for Polling Service in IEEE 802.16 Networks Under PMP Mode	Haitham Abu-Ghazaleh; Jun Cai; Attahiru Alfa (University of Manitoba, Canada)
1569105867	Consistent Re-clustering in Mobile Ad Hoc Networks	Sarandis Mitropoulos (University of Piraeus, Greece); Christos Tselikis (Ph.D. Candidate, Greece); Christos Douligeris (University of Piraeus, Greece); Nikos Komninos (Athens Information Technology, Greece)
1569106259	A Nonuniform Low Sampling Rate Receiver in UWB Communications	Xingpeng Mao; Ke Xu; Bin Cao; Qinyu Zhang (Shenzhen Graduate School, Harbin Institute of Technology, China)
1569106592	A Study of Critical Baseline Performance Characteristics for IEEE 802.16e-2005	Michael Hempel; Hamid Sharif; Wei Wang; Ting Zhou; Puttipong Mahasukhon (University of Nebraska-Lincoln, USA)
1569116537	A Multi-tracking Wireless Ad hoc Routing Protocol	Evsen Yanmaz (Los Alamos National Laboratory, USA)
1569117011	PCQoS: Power Controlled QoS in Wireless Ad Hoc Networks	Javier Gomez (National University of Mexico, Mexico)

SESSION F1-B (08:30 – 10:30)

Room: APHRODITE

Wireless LANs and Wireless PANs Symposium: Interference Management

Session Chair: Mohammed Boulmalf, AlAkawayn University, Ifrane, Morocco

1569108403	Integer Linear Optimization Model for Channel Assignment Problem in Wireless Mesh Network	Nidal Nasser (University of Guelph, CA)
1569107771	Laboratory Assessment of WLAN Performance Degradation in the Presence of Impulsive Noise	Qingshan Shan; Ian Glover; Phil Moore (University of Strathclyde, UK); I Portugues (Elimpus Ltd, UK); R Watson (University of Bath, UK); Richard Rutherford (Scottish Power, UK); Robert Atkinson (University of Strathclyde, UK); Shahzad Bhatti (University of Strathclyde, UK)
1569108339	Dynamic Channel Assignment in IEEE 802.11g	Mohammed Boulmalf; Tarik Aouam; Hamid Harroud (Al Akawayn University, MA)
1569115409	Improved Axial-Mode-Helical-Antenna Impedance Matching Utilizing Triangular Copper Strip for 2.4-GHz	Virach Wongpaibool (Assumption University, Hua Mak Campus, TH)

	WLAN	
1569117462	The Impact of Adjacent Channel Interference in Multi-Radio Systems Using IEEE 802.11	Jens Nachtigall; Anatolij Zubow; Jens-Peter Redlich (Humboldt University Berlin, DE)
1569108329	Video over Wireless Zigbee Networks: Multi-channel Multi-radio Approach	Ahmed Zainaldin (Carleton University, CA); Ioannis Lambadaris (Carleton University, CA); Biswajit Nandy (Solana Networks, CA)

SESSION F1-C (08:30 – 10:30)

Room: EUROPA

MIMO Systems Symposium: Cross Layer Design and Optimization

Session Chair: Bechir Hamdaoui, Oregon State University, USA

1569098643	Approximate Minimum BER Power Allocation for Modified MIMO-THP System	Xiang Yun, China); Tiejun Lv (Beijing University of Posts and Telecommunications, China)
1569108239	Tree-Structured User Scheduling Algorithm and Its Implementation in Multi-user MIMO Systems	Junyi Wang (NICT, Japan)
1569117043	Adaptive Coded Cooperation in Wireless Networks	Faisal Alazem; Jean-François Frigon; David Haccoun (Ecole Polytechnique de Montréal, Canada)
1569117822	Power Allocation Strategies for Distributed Space-Time Codes in Amplify-and-Forward Mode	Behrouz Maham; Are Hjørungnes (University of Oslo, Norway)
1569118077	User Scheduling in Non-identically Distributed Nakagami-m MIMO fading Channels	Mohammad TORABI; Wessam Ajib; David Haccoun (Ecole Polytechnique de Montréal, Canada)
1569120761	Constraint Design and Modelling of Multi-Hop Multi-Band Wireless MIMO Networks	Bechir Hamdaoui (Oregon State University, USA); Kang G. Shin (University of Michigan, USA)

SESSION F1-D (08:30 – 10:30)

Room: DANAE

Wireless LANs and Wireless PANs Symposium: Traffic Control & Analysis

Session Chair: Jelena Masic, University of Manitoba, Canada

1569108119	A Dynamic Rate Control Scheme for Video Streaming on Inter-Building Wireless Networks	Takeyuki Ssugimoto; Yuichi Takahashi; Saneyasu Yamaguchi; Koichi Asatani (Kogakuin University, JP)
1569117071	Effective Bandwidth Evaluation for VoIP Applications in IEEE 802.11 Networks	Cristina Ortiz; Jean-François Frigon; Brunilde Sanso (Ecole Polytechnique de Montreal, CA); Andre Girard (INRS-EMT and GERAD, CA)
1569107027	Channel Occupancy Time Based TCP Rate Control for IEEE 802.11 DCF	Kenichi Kashibuchi; Tarik Taleb; Yoshiaki Nemoto; Nei Kato (Tohoku University, JP)

1569107539	Reliability Evaluation and Enhancement of IEEE 802.15.4 Slotted Contention Scheme	Changle Li (National Institute of Information and Communications Technology, JP)
1569107901	Adaptive Bandwidth Allocation in an 802.15.3 Master-Slave Bridge	Muhi Khair; Vojislav Mistic; Jelena Mistic (University of Manitoba, CA)
1569118000	Analysis on Staleness-Aware Mechanisms of Real-Time Transport Protocols in WPANs	Lóránt Vajda; Attila Török (Bay Zoltán Foundation for Applied Research, HU); Attila Kőrösi; Felicián Németh); Balázs Székely (Budapest University of Technology and Economics, HU)
1569117244	A Throughput-Based Radio Channel Allocation Algorithm for WLANs with Multiple APs	Ming Yu; Xiaoguang Ma; Kwan (florida state university, USA)

COFFE BREAK (10:30-11:00)

SESSION F2-A (11:00-12:30)

Room: ATHENA

General Symposium: Resource Allocation and Optimization

Session Chair: Shih Yu Chang, National Tsing Hua University, Taiwan

1569107149	Joint Optimal Pilot Placement and Space Frequency (SF) Code Design for MIMO-OFDM Systems	Saurav Bandyopadhyay (W&W Communications, United States); Srinivas Prasad (Qualcomm Inc., United States); Lisimachos Kondi (University of Ioannina, Greece)
1569099915	Efficient Resource Allocation for Multicode Transmission over Multipath Channels	Hongkun Li; Yu Cheng; Chi Zhou (Illinois Institute of Technology, United States); Chang Yongyu (Beijing University of Posts & Telecommunications, China)
1569108199	On 3G LTE Terminal Implementation–Standard, Algorithms, Complexities and Challenges	Christian Drewes; Wen Xu (Infineon, Germany)
1569117785	INTELiCON: A Framework for the Simultaneous Utilization of Multiple Interfaces and its Application on TCP-based Applications	Kyriakos Manousakis; Dave Famolari (Telcordia Technologies, USA)
1569118186	Fast Power-Up Active Link Protection in Autonomous Distributed Transmitter Power Control	Savvas Gitzenis (Certh, Greece); Nicholas Bambos (Stanford University, USA)

SESSION F2-B (11:00-12:30)**Room:** APHRODITE**MIMO Systems Symposium: Modeling, Detection and Estimation****Session Chair:** Athanasios V. Vasilakos, University of Western Macedoni, Greece

1569107251	Reduced Complexity Detection for Ricean MIMO Channels Based on Condition Number Thresholding	Michail Matthaiou; David Laurenson (University of Edinburgh, UK); Cheng-Xiang Wang (Heriot-Watt University, UK)
1569107853	Space-Time-Frequency Characterization of Non-Isotropic MIMO Mobile-to-Mobile Multicarrier Ricean Fading Channels	Xiang Cheng; Cheng-Xiang Wang (Heriot-Watt University, UK); David Laurenson (University of Edinburgh, UK), Athanasios V. (Thanos) Vasilakos (University of Western Macedoni, Greece)
1569107863	A Generic Geometrical-Based MIMO Mobile-to-Mobile Channel Model	Xiang Cheng; Cheng-Xiang Wang (Heriot-Watt University, UK); David Laurenson (The University of Edinburgh, UK), Athanasios V. (Thanos) Vasilakos (University of Western Macedoni, GR)
1569118061	Implementation and Complexity evaluation of Packet Combining for Multi-Code Transmission over Multi-Antenna Broadband Channel	Houda Chafnaji (INPT Rabat/Telecom Bretagne, Morocco); Tarik Ait-idir (INPT, Morocco); Samir Saoudi (Telecom-Bretagne, France)
1569120793	Performance of orthogonal space-time coded MCPM system in nonlinear channel	Wenli Shen; Minjian Zhao; Peiliang Qiu (Zhejiang University, CN)

SESSION F2-C (11:00-12:30)**Room:** EUROPA**Workshop 2—Chair:** Karim Kabalan, American University of Beirut, Lebanon

1569101181	Reverse link Rate Control in 1xEV-DO with Adaptive Antenna Arrays	Karim Kabalan; Elias Yaacoub; Ali El-Hajj; Zaher Dawy (American University of Beirut, LB)
1569105519	A 1.9-13.5 GHz Low-Cost Microstrip Antenna	Mohammed Al-Husseini; Ali El-Hajj; Karim Kabalan (American University of Beirut, LB)
1569105659	Directivity and Interference Tradeoffs with Cylindrical Antenna Arrays	Karim Kabalan; Mohammed Al-Husseini; Elias Yaacoub; Ali El-Hajj (American University of Beirut, LB)
1569108409	Compact Printed Monopoles with Equal Size Ground Planes for Embedded Sensor Network Devices	Constantine Kakoyiannis (National Technical University of Athens, GR); Philip Constantinou (National Technical University of Athens, GR)

SESSION F2-D (11:00-12:30)**Room:** DANAE**Multimedia over Wireless Symposium: Wireless Services, Protocols, and Systems****Session Chair:** Mahasweta Sarkar, San Diego State University, USA

1569106433	Dynamic Management of QoS with Priority (DMQP) for Multimedia Multicasting	Sunil Kumar; Mahasweta Sarkar (San Diego State University, United States); Mehul Vora (Clarkson University, United States)
1569107083	A New Reliable Scheme for IP Service Transmission in T-DMB System	Li Li (Beijing University of Posts and Telecommunications, CN)
1569107757	Performance Evaluation of SDMA based Mobile WiMAX System	ChingYao Huang; Chieh-Yao Chang; Ming Hsien Wu (National Chiao Tung University, Taiwan)

LUNCH BREAK (12:30 - 13:30) —On your Own**SESSION F3-A (13:30 - 15:30)****Room:** ATHENA**General Symposium: Wireless Communications****Session Chair:** Attahilu S. Alfa, University of Manitoba, Canada

1569106313	Robustness Enhancement of Quantization-Based Image Watermarking by Preserving Local Spatial Characteristics	Jun-Horng Chen (Oriental Institute of Technology, Taiwan)
1569107860	An Intelligent Genetic Algorithm for PAPR Reduction in a Multi-Carrier CDMA Wireless System	Qiang Ni; Yang Zhang (Brunel University, UK); Hsiao-Hwa Chen (National Cheng Kung University, Taiwan)
1569107933	Detection of Sybil attack in beacon enabled IEEE 802.15.4 networks	Feresteh Amini; Jelena Misic; Hossein Pourreza (University of Manitoba, Canada)
1569108337	Efficient Rank-Adaptive Least-Square Estimation and Multiple-Parameter Linear Regression Using Novel Dyadically Recursive Hermitian Matrix Inversion	Hsiao-Chun Wu (Louisiana State University, United States); Shih Yu Chang (National Tsing Hua University of Taiwan); Tho Le-Ngoc (McGill University, Canada)
1569116367	Improved data detection exploiting full cyclic prefix for the evolution of dvb-t	Lorenzo Vangelista; Marco Rotoloni (University of Padova, Italy); Alberto Morello (RAI CRIT Research Center, Italy)
1569117655	Mobile Agent based Authentication for Wireless Network Security	Olatunde Abiona; Yu Cheng (Illinois Institute of Technology, USA)

SESSION F3-B (13:30 - 15:30)

Room: APHRODITE

Wireless Sensor Networks Symposium: Performance Analysis and Practical Algorithms**Session Chair:** Roberto Baldoni, La Sapienza Roma, Italy

1569117399	Deterministic Worst-case Performance Analysis for Wireless Sensor Networks	Huimin She; Zhonghai Lu; Axel Jantsch; Li-Rong Zheng (Royal Institute of Technology (KTH), SE); Dian Zhou (Fudan University, CN)
1569121501	An Efficient Biasing Strategy for Random Walk in Wireless Ad Hoc Networks	Adnan Noor Mian (University of Rome "La Sapienza", IT); Roberto Berardi (Universita` degli Studi di Roma "La Sapienza", IT); Roberto Baldoni (La Sapienza Roma, IT)
1569117981	A Communication Protocol and Physical Characteristics Simulator for an RFID Sensor Environment	Marcelo Azambuja (Faculdades de Taquara, BR), Fabiano Hessel (PUCRS, BR)

SESSION F3-C (13:30– 15:30)

Room: EUROPA

Wireless LANs and Wireless PANs Symposium: Ultra Wide Bandwidth**Session Chair:** Fardad Asgarzadeh, Worcester Polytechnic Institute, USA

1569107588	Match-Filtering Based TOA Estimation for IR-UWB Ranging Systems	Shaohua Wu; Qinyu Zhang (Harbin Institute of Technology, CN); Rongfei Fan (University of Alberta, CA)
1569117425	A New Measurement Method of Interference between UWB and Wireless LAN Systems	Haruki Kamiya (Musashi Institute of Technology, JP)
1569117591	Analysis of Effects of Micro-Metal on Ranging Error Using Finite Element Methods	Fardad Askarzadeh; Mohammad Heidari; Sergey Makarov; Kaveh Pahlavan (Worcester Polytechnic Institute, USA)

SESSION F3-D (13:30 - 15:30)

Room: DANAE

Wireless Sensor Networks Symposium: Simulations and Deployment Experiments**Session Chair:** Vojislav Mistic, University of Manitoba, Canada

1569114417	IMOTE2: Serious Computation at the Edge	Lama Nachman (Intel Corp, USA); Ralph Kling (Crossbow, US); Jonathan Huang; Robert Adler; Junaith Shahabdeen (Intel Corp, USA)
1569116461	Dynamic Duty Cycle Control with Path and Zone Management in Wireless Sensor Networks	Benjamin Murray; Timothy Bauge; Richard Egan (Thales Research & Technology Limited, UK)
1569117421	OMNeT++ based Simulation for Topology Control in Wireless Sensor Network: A Case Study	Jiming Chen; Jianhui Zhang JIALU FAN; Weqiang Xu; Youxian Sun (Zhejiang University, CN)