

IEEE ISCC 2011

Program at a glance

Tuesday, June 28th, 2011

	Room 1: MediaWiN Workshop	Room 2: PEDISWESA Workshop	Room 3: MoCS Workshop
8:30 - 16:30	Registration		
9:00 - 10:30	Session 1: Multimedia in mobility	Session 1: Web Services and Social Networks	Session 1 : Resource Management and Security in Cloud
10:30 - 11:00	Coffee Break		
11:00 – 13:00	Session 2: Multimedia over wireless	Session 2: Energy Awareness	Session 2: Autonomic Systems applied to Clouds
13:00 – 14:30	Lunch Break		
14:30 – 15:00	Invited Talk Speaker: Periklis Chatzimisios	Session 3: Performance Evaluation	Session 3: Inter-Operable Clouds
15:00 – 16:30	Session 3: Errors handling in multimedia streaming		
16:30 – 16:45	Closing Remarks		
19:00 – 22:00	ISCC 2011 Welcome Cocktail Ionian Academy Kapodistriou 1, Corfu Town		

Wednesday, June 29th, 2011

8:00 - 18:30	Registration			
9:15 – 9:30	(Room 1) OPENING SESSION: Adel Elmaghraby, Christos Douligeris			
9:30 – 10:30	(Room 1) PLENARY SESSION Moderator: Adel Elmaghraby Keynote Speaker: Mahmoud Daneshmand			
10:30 – 11:00	Coffee Break			
	Room 1	Room 2	Room 3	Room 4
11:00 – 13:00	Session 1: Wireless and Mobile Communications I	Session 2: Wireless Networking I	Session 3: Network Reliability	Session 4: Routing
13:00 – 14:30	Lunch Break			
14:30 – 15:15	(Room 1) PLENARY SESSION Moderator: Christos Douligeris Keynote Speaker: Curtis Siller			
15:15 – 16:30	Session 5: Wireless and Mobile Communications II	Session 6: IEEE 802.16 / WiMAX Networks	Session 7: Green Networking and Communications	Session 8: Cloud Computing
16:30 – 17:00	Coffee Break			
17:00 – 18:30	Session 9: Wireless and Mobile Communications III	Session 10: Access Networks	Session 11: Optical Networking	Session 12: Internet Architectures, Protocols and Services I

Thursday, June 30th, 2011

8:30 – 18:00	Registration			
9:00 – 10:30	(Room 1) PLENARY SESSION Moderator: Christos Douligeris Keynote Speakers: Ioannis Stavrakakis, Martin Curley			
10:30 – 11:00	Presentation of IEEE ISCC 2012 (Turkey) Speakers: Sema Oktug and Güneş Kurt			
11:00 – 11:30	Coffee Break			
	Room 1	Room 2	Room 3	Room 4
11:30 – 13:00	Session 13: Wireless and Mobile Communications IV	Session 14: Wireless Networking II	Session 15: Security issues I	Session 16: Network Design, Optimization and Management
13:00 – 14:30	Lunch Break			
14:30– 16:00	Session 17: Wireless Sensor Networks I	Session 18: Vehicular and Ad-Hoc Networks	Session 19: Security issues II	Session 20: Policy issues
16:00 – 16:30	Coffee Break			
16:30– 18:00	Session 21: Wireless Sensor Networks II	Session 22: Quality of Service and Quality of Experience	Session 23: Cryptography and Privacy	Session 24: Internet Services and Applications
19:30 – 23:30	Conference Banquet Trypas' Tavern (Buses for the conference banquet will be available)			

Friday, July 1st, 2011

9:00 – 16:00	Registration			
9:45 – 10:30	(Room 1) PLENARY SESSION Moderator: Adel Elmaghraby Keynote Speaker: George Pavlou			
	Room 1	Room 2	Room 3	Room 4
10:30 – 11:00	Coffee Break			
11:00 – 13:00	Session 25: Mobile Ad-hoc Networks	Session 26: Modeling and Performance Evaluation	Session 27: Applications and measurements	Session 28: Internet Architectures, Protocols and Services II
13:00 – 14:30	Lunch Break			
14:30– 16:00	Session 29: Cognitive Radio Networks	Session 30: Peer-to-Peer Computing	Session 31: Network Reliability and Security	Session 32: Internet Architectures, Protocols and Services III
16:00– 16:30	(Room 1) Closing Plenary and Awards (Moderator: Christos Douligeris)			

Detailed Program

Tuesday, June 28, 2011

The Sixth IEEE Workshop on multiMedia Applications over Wireless Networks (MediaWiN 2011)

Session 1: Multimedia in mobility

Tuesday, June 28, 9:00-10:30, Room 1

Session Chair: Joerg C. Widmer (Institute IMDEA Networks, ES)

1. Data Seeding in Nomadic Cooperative Groups **(invited)**
Leonardo Militano (University Mediterranea of Reggio Calabria, IT), Frank H.P. Fitzek (Aalborg University, DK), Antonio Iera (University Mediterranea of Reggio Calabria, IT), Antonella Molinaro (University Mediterranea of Reggio Calabria, IT)
2. A study of multimedia application performance over Multiple Care-of Addresses in Mobile IPv6
Bruno Miguel Sousa (University of Coimbra, PT), Kostas Pentikousis (Huawei Technologies, DE), Marilia Curado (University of Coimbra, PT)
3. 3DTV Streaming Over Peer-to-Peer Networks Using FEC-based Noncooperative Multiple Description
Simone Milani, Marco Gaggio, Giancarlo Calvagno (University of Padova, IT)

Session 2: Multimedia over wireless

Tuesday, June 28, 11:00-13:00, Room 1

Session Chair: Filippo Casu (Universidad Politécnic de Madrid, ES)

1. QoE-based Transport Optimization for Video Delivery over Next Generation Cellular Networks
Noam Amram (LiveU, Israel), Bo Fu (DOCOMO Euro-Labs, DE), Gerald Kunzmann (DOCOMO Euro-Labs, DE), Telemaco Melia (Alcatel-Lucent Bell Labs, FR), Daniele Munaretto (University of Padova, IT), Sabine Randriamasy (Alcatel-Lucent Bell-Labs, FR), Bessem Sayadi (Alcatel-Lucent Bell-Labs, FR), Joerg C. Widmer (Institute IMDEA Networks, ES), Michele Zorzi (University of Padova, IT)
2. A Hybrid MIPv6 and PMIPv6 Distributed Mobility Management: the MEDIEVAL approach
Fabio Giust (Institute IMDEA Networks, ES), Carlos J. Bernardos (Universidad Carlos III de Madrid, ES), Sérgio Figueiredo (Instituto de Telecomunicações Aveiro, PT), Pedro Miguel Neves (Portugal Telecom Inovação, PT), Telemaco Melia (Alcatel-Lucent Bell Labs, FR)
3. Wireless Access Mechanisms and Architecture Definition in the MEDIEVAL Project
Marco Mezzavilla (University of Padova, IT), Michelle M. Wetterwald (EURECOM, FR), Leonardo Badia (University of Padova, IT), Daniel Corujo (Instituto de Telecomunicações Aveiro, PT), Antonio De La Oliva (Universidad Carlos III de Madrid, ES)

Invited Talk

“Quality of Experience in Multimedia Systems and Services: COST Action IC1003 (QUALINET)”

Speaker: **Periklis Chatzimisios**

Tuesday, June 28, 14:30-15:00, Room 1

Session 3: Errors handling in multimedia streaming

Tuesday, June 28, 15:00-16:30, Room 1

Session Chair: Andrea Zanella (University of Padova, IT)

1. Multicast Video Streaming over WiFi Networks: Impact of Multipath Fading and Interference **(invited)**
Shafqat Ur Rehman, Thierry Turetletti, Walid Dabbous (INRIA Sophia Antipolis, FR)
2. Performance Evaluation of FEC techniques based on BCH codes in Video Streaming over Wireless Sensor Networks
Matteo Petracca (Scuola Superiore Sant'Anna, IT), Marco Ghibaudi (Scuola Superiore Sant'Anna, IT), Claudio Salvadori (Scuola Superiore Sant'Anna, IT), Paolo Pagano (Scuola Superiore Sant'Anna, IT), Daniele Munaretto (University of Padova, IT)
3. Inter-Packet Symbol Approach To Reed-Solomon FEC Codes For RTP-Multimedia Stream Protection
Filippo Casu, Julián Cabrera, Fernando Jaureguizar, Narciso García (Universidad Politécnic de Madrid, ES)

The Third IEEE Workshop in Performance Evaluation of Communications in Distributed Systems and Web-based Service Architectures (PEDISWESA 2011)

Session 1: Web Services and Social Networks

Tuesday, June 28, 9:00-10:30, Room 2

Session Chair: Lynda Mokdad (University Paris-Est Val de Marne, FR)

1. A Multi-Agent Selection of Web Service Providers Driven by Composite QoS
Fatma Siala (University of Tunis, TU)
2. Social, Fast, Efficient: Content Distribution in Hybrid Networks
Bernd Klasen (University of Luxembourg, LU)
3. Self-stabilizing algorithm for energy saving in Wireless Sensor Networks
Jalel Ben-Othman (University of Versailles, FR), Karim Bessaoud (Université de Versailles Saint Quentin en Yvelines, FR), Alain Bui (Université de Versailles St-Quentin-en-Yvelines, FR), Laurence Pilard (UVSQ, FR)

Session 2: Energy Awareness

Tuesday, June 28, 11:00-13:00, Room 2

Session Chair: Said Fouchal (University of Paris 8, FR)

1. Energy-Aware Analysis for Supplying Partner Selection in Mobile P2P 3D Streaming
Azzedine Boukerche (University of Ottawa, CA)
2. MMSE-Based Amplifying Relay Matrix for Noncooperative AF Wireless Relay Network under Power Constraints
Kanghee Lee, Hyuck Kwon, Zuojun Wang (Wichita State University, US)
3. SocioSpace: An Adaptive Service-Oriented Architecture that Integrates Smart Spaces and Social Networks through the IP Multimedia Subsystem
Ahmed Hasswa, Hossam S. Hassanein (Queen's University, CA)
4. Hierarchically Distributed Tree
Azzedine Boukerche (University of Ottawa, CA)

Session 3: Performance Evaluation

Tuesday, June 28, 14:30-16:30, Room 2

Session Chair: Jalel Ben-Othman (University of Versailles, FR)

1. Quantitative verification for response times in composite Web service model
Youssou Kasse (Laboratoire Lamsade, FR)
2. Performance evaluation of Multidimensional Parabolic Type Problems on distributed computing systems
Norma Alias (Universiti Teknologi Malaysia, MY)
3. An optimal Testing Technique for Finite State Machines
Hacene Fouchal (Université de Reims Champagne-Ardenne, FR)
4. On the Performance of Selective DF Relay Networks over Rician Fading Channel
Ehsan Soleimani-Nasab (K. N. Toosi University of Technology, IR)
5. Optimal clustering method in ultrametric spaces
Said Fouchal (University of Paris 8, FR)

The First Workshop on Management of Cloud Systems (MoCS 2011)

Session 1: Resource Management and Security in Cloud

Tuesday, June 28, 9:00-10:30, Room 3

Session Chair: Ivona Brandic (Vienna University of Technology, AT)

1. Increasing Cloud Power Efficiency through Consolidation Techniques
Antonio Corradi, Mario Fanelli, Luca Foschini (University of Bologna, IT)
2. Autonomic Management of Elastic Services in the Cloud
Patrick Martin (Queen's University, CA), Andrew Brown (Queen's University, CA), Wendy Powley (Queen's University, CA), Jose Luis Vazquez-Poletti (Universidad Complutense de Madrid, ES)
3. Operational Trust in Cloud Environments
Imad Abbadi (Oxford University, UK)

Session 2: Autonomic Systems applied to Clouds

Tuesday, June 28, 11:00-13:00, Room 3

Session Chair: Massimo Villari (University of Messina, IT)

1. Revealing the MAPE Loop for the Autonomic Management of Cloud Infrastructures
Ivona Brandic, Ivan Breskovic, Vincent Chimaobi Emeakaroha, Michael Maurer (Vienna University of Technology, AT)
2. Translation of Application-level Terms to Resource-level attributes across the Cloud Stack Layers
George Kousiouris, Dimosthenis Kyriazis, Spyridon Gogouvitis, Andreas Menychtas, Kleopatra Konstanteli, Theodora Varvarigou (National Technical University of Athens, GR)
3. Architectures for Autonomic Service Management in Cloud-based Systems
Emiliano Casalicchio, Luca Silvestri (University of Rome Tor Vergata, IT)

Session 3: Inter-Operable Clouds

Tuesday, June 28, 14:30-16:30, Room 3

Session Chair: Luca Foschini (University of Bologna, IT)

1. How CLEVER-Based Clouds Conceive Horizontal and Vertical Federations
Francesco Tusa, Antonio Celesti, Massimo Villari, Antonio Puliafito (University of Messina, IT)
2. Scheduling and Monitoring of Internally Structured Services in Cloud Federations
Lars Larsson, Daniel Henriksson, Erik Elmroth (Umeå University, SE)
3. Transparent migration of virtual infrastructures in large datacenters for Cloud Computing
Roberto Bifulco, Roberto Canonico, Giorgio Ventre, Vittorio Manetti (University of Napoli Federico II, IT)

Wednesday, June 29, 2011

OPENING SESSION

Adel Elmaghraby, Christos Douligeris (IEEE ISCC 2011 General Co-Chairs)

Wednesday, June 29, 9:15-9:30, Room 1

PLENARY SESSION

“Intelligent Network Operations and Management – it’s about the Data”

Keynote Speaker: Prof. Mahmoud Daneshmand

Wednesday, June 29, 9:30-10:30, Room 1

Moderator: Adel Elmaghraby

Coffee Break

Wednesday, June 29, 10:30-11:00

Session 1: Wireless and Mobile Communications I

Wednesday, June 29, 11:00-13:00, Room 1

Session Chair: Periklis Chatzimisios (Alexander TEI of Thessaloniki, GR)

1. Load Dependent Resource Allocation in Cooperative Multiservice Wireless Networks: Throughput and Delay Analysis
Thomas Lagkas (University of Western Macedonia, Kozani, GR), Dimitrios Stratogiannis (National Technical University of Athens, GR), Georgios Tsiropoulos (National Technical University of Athens, GR), Panagiotis Sarigiannidis (University of Western Macedonia, GR), Malamati Louta (University of Western Macedonia, GR)
2. Efficient Online Estimation of Bursty Wireless Links
Muhammad Hamad Alizai, Hanno Wirtz, Georg Kunz, Benjamin Grap, Klaus Wehrle (RWTH Aachen University, DE)
3. The Impact of Interference on the Performance of a Multi-path Metropolitan Wireless Mesh Network
Elias Tragos (Institute of Computer Science, FORTH, GR), Alexandros Fragkiadakis (Institute of Computer Science, FORTH, GR), Yannis Askoxylakis (FORTH-ICS, GR), Vasilios Siris (ICS-FORTH / Athens University of Economics and Business, GR)
4. Scheduling Avionics Flows on an IEEE 802.11e HCCA and AFDX Hybrid Network
Bafing Sambou (University of Toulouse, FR), Fabrice Peyrard (University of Toulouse, FR) Christian Fraboul (ENSEEIH, FR)
5. Joint Per-Flow Scheduling and Routing in Wireless Multihop Networks
Dimitrios J. Vergados (National Technical University of Athens, GR), Angeliki Sgora (University of Piraeus, GR), Dimitrios D. Vergados (University of Piraeus, GR), Periklis Chatzimisios (Alexander TEI of Thessaloniki, GR)
6. (S) Wireless Image Transmission Using Joint Adaptation of Modulation and Channel Coding
Rimas Zrae, Mohamed Hassan, Mohamed El-Tarhuni (American University of Sharjah, AE)

Session 2: Wireless Networking I

Wednesday, June 29, 11:00-13:00, Room 2

Session Chair: John Daigle (University of Mississippi, US)

1. History-Aware Rate Adaptation in 802.11 Wireless Networks
Ioannis Pefkianakis (University of California at Los Angeles, US), Hu Yun (University of Science and Technology of China, CN), Songwu Lu (University of California at Los Angeles, US)
2. An Adaptive Epidemic Information Dissemination Scheme with Cross-layer Enhancements
Theofanis Kontos (University of Athens, GR), Evaripidis Zaimidis (Hellenic Open University, GR), Christos Anagnostopoulos (Ionian University, GR), Stathes Hadjiefthymiades (University of Athens, GR), Evangelos Zervas (TEI Athens, GR)
3. A Distributed Scheduling Mechanism to Improve Quality of Service in IEEE 802.11 Ad Hoc Networks
Munther Hammouri, John Daigle (University of Mississippi, US)

4. Cross-Layer CQI Feedback Window Adaptation for OFDMA Systems under Feedback Budget Constraint
 Mohammad Abdul Awal (LRI, University of Paris Sud, FR), Lila Boukhatem (Paris-Sud&LRI/CNRS, FR)
5. On Optimized Joint Uplink/Downlink Resource Allocation in OFDMA Networks
 Ahmad El-Hajj, Zaher Dawy (American University of Beirut, LB)
6. (S) On Delay Distribution in IEEE 802.11 Wireless Networks
 Stepan Ivanov, Dmitri Botvich, Sasitharan Balasubramaniam (TSSG, Waterford Institute of Technology, IE)

Session 3: Network Reliability

Wednesday, June 29, 11:00-13:00, Room 3

Session Chair: Susana Sargento (Instituto de Telecomunicações, PT)

1. Highly Compressed Multi-pattern String Matching on the Cell Broadband Engine
 Xinyan Zha (University of Florida, US), Daniele Scarpazza (IBM T.J. Watson Research Center, US), Sartaj Sahni (University of Florida, US)
2. PC-DUOS: Fast TCAM Lookup and Update for Packet Classifiers
 Tania Mishra (University of Florida, US), Sartaj Sahni (University of Florida, US), Gunasekaran Seetharaman (US Air Force, US)
3. Fine-Grained Intercontact Characterization in Disruption-Tolerant Networks
 Tiphaine Phe-Neau (UPMC Sorbonne Universités, FR), Marcelo Dias de Amorim (UPMC Sorbonne Universités, FR), Vania Conan (Thales Communications, FR)
4. Multipattern String Matching on A GPU
 Xinyan Zha, Sartaj Sahni (University of Florida, US)
5. (S) Study of Lifetime Extension in Wireless Sensor Networks through Congestion Control Algorithms
 Charalambos Sergiou, Vasos Vassiliou (University of Cyprus, CY)

Session 4: Routing

Wednesday, June 29, 11:00-13:00, Room 4

Session Chair: Jalel Ben-Othman (University of Versailles, FR)

1. PSP: Path State Protocol for Inter-domain Routing
 Dotan Guy, Chen Avin, Ran Giladi (Ben-Gurion University, IL)
2. Overlay Addressing and Routing System Based on Hyperbolic Geometry
 Cyril Cassagnes, Telesphore Tiendrebeogo, Yérom-David Bromberg, Damien Magoni (University of Bordeaux, FR)
3. Geographical Quadtree Routing
 Chen Avin, Yaniv Dvory, Ran Giladi (Ben-Gurion University, IL)
4. The Dissemination Speed of Correlated Messages in Opportunistic Networks
 Yuan Peiyan, Huadong Ma, Xufei Mao (Beijing University of Posts and Telecommunications, CN)
5. (S) Interface Specific Fast Failure Rerouting for Load Balanced IP Networks
 Steven Lee (National Chung Cheng University, TW), Po-Kai Tseng (Academia Sinica, TW), Kuang-Yi Li (National Chung Cheng University, TW), Wen-Yu Chang (National Chung Cheng University, TW), Alice Chen (ITRI, TW)
6. (S) Enhance Content Broadcast Efficiency in Routers with Integrated Caching
 Lijun Dong, Yanyong Zhang, Dipankar Raychaudhuri (Rutgers University, US)

Lunch Break

Wednesday, June 29, 13:00-14:30

PLENARY SESSION

“Communications Standards: IEEE Standards Association and “ComSoc” Perspectives”

Keynote Speaker: **Prof. Curtis Siller**

Wednesday, June 29, 14:30-15:15, Room 1

Moderator: Christos Douligeris

Session 5: Wireless and Mobile Communications II

Wednesday, June 29, 15:15-16:30, Room 1

Session Chair: Athanassios Iossifides (Alexander TEI of Thessaloniki, GR)

1. Linear Precoding for Centralized MultiCell MIMO Networks
Reza Holakouei, Adão Silva, Atilio Gameiro (Instituto de Telecomunicações - Universidade de Aveiro, PT)
2. Attenuation Over Distance for Indoor Propagation Topologies at 2.4 GHz
Theofilos Chrysikos, Giannis Georgopoulos, Stavros Kotsopoulos (University of Patras, GR)
3. Complex Orthogonal Coded Binary Transmission with Amicable Hadamard Matrices over Rayleigh Fading Channels
Athanassios Iossifides (Alexander Technological Educational Institute of Thessaloniki, GR)
4. Implementation and Evaluation of a Voice Codec for ZigBee
Apostolos Meliones (University of Piraeus, GR), Emmanuel Touloupis (Inaccess Networks, GR), Spyros Apostolacos (Inaccess Networks, GR)
5. (S) Selection of Modulation and Coding Schemes of Single Carrier PHY for 802.11ad Multi-Gigabit mmWave WLAN Systems
Liru Lu, Xin Zhang, Ryuhei Funada, Chin-Sean Sum, Hiroshi Harada (National Institute of Information & Communications Technology - NICT, JP)

Session 6: IEEE 802.16 / WiMAX Networks

Wednesday, June 29, 15:15-16:30, Room 2

Session Chair: Thomas Lagkas (University of Western Macedonia, GR)

1. Using Learning Automata for Adaptively Adjusting the Downlink-to-Uplink Ratio in IEEE 802.16e Wireless Network
Antonis Sarigiannidis (Aristotle University of Thessaloniki, GR), Petros Nicopolitidis (Aristotle University, GR), Georgios Papadimitriou (Aristotle University, GR), Panagiotis Sarigiannidis (University of Western Macedonia, GR), Malamati Louta (University of Western Macedonia, GR)
2. Multi-Layer Data Protection using N-Channel Stop-and-Wait Hybrid-ARQ in WiMAX
Obaidur Rehman, Natasa Zivic (University of Siegen, DE)
3. Maximizing Network Revenue through Resource Management in Heterogeneous Wireless Networks
Elissar Khloussy, Jie Xu, Anna Kim, Yuming Jiang (Norwegian University of Science and Technology, NO)
4. (S) Performance Comparison of JTCP over QoS-aware WiMAX Networks
Alessandro Andreadis, Sandro Rizzuto, Riccardo Zambon (University of Siena, IT)

Session 7: Green Networking and Communications

Wednesday, June 29, 15:15-16:30, Room 3

Session Chair: Angeliki Sgora (University of Piraeus, GR)

1. Multi-Topology Design and Link Weight Assignment for Green IP Networks
Steven Lee (National Chung Cheng University, TW), Po-Kai Tseng (Academia Sinica, TW), Alice Chen (ITRI, TW)
2. Powering Communication Networks in Developing Regions
Amos Nungu (Royal Institute of Technology, SE), Robert Olsson (KTH, SE), Bjorn Pehrson (KTH, SE)

3. Towards an Effective Energy Efficient Passive Optical Network
Panagiotis Sarigiannidis, Vasiliki Pechlivanidou, Malamati Louta, Pantelis Angelidis (University of Western Macedonia, GR)
4. Smart Routing Mechanism for Green ZigBee-based Wireless Sensor Networks
Antonio M. Ortiz, Teresa Olivares, Luis Orozco-Barbosa (University of Castilla-La Mancha), ES)
5. (S) Communication-based Plug-in Hybrid Electrical Vehicle Load Management in the Smart Grid
Melike Erol-Kantarci, Jahangir Sarker, Hussein Mouftah (University of Ottawa, CA)

Session 8: Cloud Computing

Wednesday, June 29, 15:15-16:30, Room 4

Session Chair: Luca Foschini (University of Bologna, IT)

1. Utility-based Resource Allocation for Virtual Machines in Cloud Computing
Dorian Minarolli (University of Marburg, DE), Bernd Freisleben (Philipps - University of Marburg, DE)
2. Performance and Cost evaluation of Gang Scheduling in a Cloud Computing System with Job Migrations and Starvation Handling
Ioannis Moschakis, Helen Karatza (Aristotle University of Thessaloniki, GR)
3. Cloud Computing, Security and Data Concealment
Christian Delettre (University of Nice Sophia Antipolis, FR), Karima Boudaoud (University of Nice Sophia Antipolis, FR), Michel Riveill (University of Nice, FR)
4. Workflow Scheduling in e-Science Networks
Eun-Sung Jung, Sanjay Ranka, Sartaj Sahni (University of Florida, US)
5. Virtual Network Mapping into Heterogeneous Substrate Networks
João Nogueira (University of Aveiro, Portugal Telecom Inovação, PT), Márcio Melo (Portugal Telecom Inovação, PT), Jorge Carapinha (PT Inovação S.A. Telecom Group, PT), Susana Sargento (Instituto de Telecomunicações, Universidade de Aveiro, PT)

Coffee Break

Wednesday, June 29, 16:30-17:00

Session 9: Wireless and Mobile Communications III

Wednesday, June 29, 17:00-18:30, Room 1

Session Chair: Hyuck Kwon (Wichita State University, US)

1. A Multi-Access Asynchronous Low-Power MAC based on Preamble Sampling for WSNs
Noseong Park, Bong Wan Kim, Yoonmee Doh, Jongarm Jun (ETRI, KR)
2. Mobility in WSNs for Critical Applications
Ricardo Silva (University of Coimbra, PT), Jorge Sa Silva (University of Coimbra, PT), Zinon Zinonos (University of Cyprus, CY), Vasos Vassiliou (University of Cyprus, CY)
3. Semi-adaptive Channel Estimation Technique for LTE Systems
ElSayed Ahmed (University of California, Irvine, US), Mohamed Khairy (Cairo University, EG)
4. Context Driven Enhancement of RSS-based Localization Systems
Paolo Barsocchi (ISTI-CNR, IT), Stefano Chessa (University of Pisa, IT), Erina Ferro (Istituto di Scienze e Tecnologie dell'Informazione "Alessandro Faedo", IT), Francesco Furfari (CNR-ISTI, IT), Francesco Potorti (ISTI-CNR, IT)
5. (S) Location Estimation in Multi-Carrier Systems Using Extended Kalman Based Interacting Multiple Model and Data Fusion
Enver Bahar, Gunes Karabulut (Istanbul Technical University, TR)

Session 10: Access Networks

Wednesday, June 29, 17:00-18:30, Room 2

Session Chair: Panagiotis Sarigiannidis (University of Western Macedonia, GR)

1. Towards realization of the ABC vision: a comparative survey of access network selection
Malamatı Louta (University of Western Macedonia, GR), Philippos Zournatzis (University of Western Macedonia, GR), Stylianos Kraounakis (Hellenic Telecommunications Organization, GR), Panagiotis Sarigiannidis (University of Western Macedonia, GR), Ioannis Dimitropoulos (University of Western Macedonia, GR)
2. Cooperative Transmission Among Ordinary Users in Wireless Communication Networks
Hamzeh Omari, John Daigle (University of Mississippi, US)
3. A Multiple Care of Addresses Model
Bruno Sousa (University of Coimbra, PT), Kostas Pentikousis (Huawei Technologies, DE), Marilia Curado (University of Coimbra, PT)
4. DC-MAC: A Data-centric Multi-hop MAC protocol for Underwater Acoustic Sensor Networks
Ming Yang (Nanyang Technological University, SG), Mingsheng Gao (Nanyang Technological University, SG), Chuan Heng Foh (Nanyang Technological University, SG), Jianfei Cai (Nanyang Technological University, SG), Periklis Chatzimisios (Alexander TEI of Thessaloniki, GR)
5. (S) Towards a Compatible Level-2 DSM Algorithm to Protect Downstream Multiuser xDSL Legacy Systems
Hernan Cordova (Free University of Brussels, BE)

Session 11: Optical Networking

Wednesday, June 29, 17:00-18:30, Room 3

Session Chair: Sema Oktug (Istanbul Technical University, TR)

1. MAC Framework and Algorithms for Dynamic Subcarrier Assignment in OFDMA-PONs
Konstantinos Kanonakis, Ioannis Tomkos (Athens Information Technology, GR)
2. Optimization Models for Reliable Long-reach PON Deployment
Burak Kantarci, Hussein Mouftah (University of Ottawa, CA)
3. Analytical Model of Optical Burst Switched Networks with Share-per-Node Buffers
Daniele Tafani, Conor McArdle, Liam Barry (Dublin City University, IE)
4. Wavelength Scheduling in Time-domain Wavelength Interleaved Networks
Yan Li, Sanjay Ranka, Sartaj Sahni (University of Florida, US)
5. An Asymmetric Access Strategy with Propagation Delay Analysis for Bandwidth Utilization Improvement in WDM Network
Peristera Baziana, Ioannis Pountourakis (National Technical University of Athens, GR)

Session 12: Internet Architectures, Protocols and Services I

Wednesday, June 29, 17:00-18:30, Room 4

Session Chair: Ioannis Anagnostopoulos (University of Central Greece, GR)

1. Pervasive Multiparty Delivery Framework for Ubiquitous Multimedia Services
Nuno Carapeto (Portugal Telecom Inovação, PT), Filipe Cabral (PT Inovação, PT), Daniel Figueira (Instituto de Telecomunicações, Universidade de Aveiro, PT), Nuno Coutinho (Instituto de Telecomunicações, Universidade de Aveiro, PT), Susana Sargento (Instituto de Telecomunicações, Universidade de Aveiro, PT), Pierre Roux (CEA LIST, FR)
2. Quality-Improved and Secure Multicast Delivery Method in Mobile IPv6 Networks
Abbas Mehdizadeh (University Putra Malaysia, MY), Fazirulhisyam Hashim (University of Sydney, AU), Raja Syamsul Azmir Raja Abdullah (University Putra Malaysia, MY), Borhanuddin Mohd. Ali (Universiti Putra Malaysia, MY), Mohamed Othman (Universiti Putra Malaysia, MY)

3. Media Ecosystem Deployment in a Content-Aware Future Internet Architecture
George Gardikis (NCSR 'Demokritos', GR), George Xilouris (NCSR Demokritos, GR), Anastasios Kourtis (NCSR 'Demokritos', GR), Evangelos Pallis (Technological Educational Institute of Crete, GR), Daniel Négru (University of Bordeaux, FR), Yiping Chen (University of Bordeaux, FR), Petros Anapliotis (University of Bordeaux, FR)
4. Scaling Instant Messaging Communication Services: A Comparison of Blocking and Non-Blocking Techniques
Leigh Griffin, Kieran Ryan, Eamonn de Leastar, Dmitri Botvich (Waterford Institute of Technology, IE)
5. An Efficient Sequential Iterative Matching Algorithm for CIOQ Switches
Yanping Gao (Graduate University of Chinese Academy of Sciences, CN), Christoforos Kachris (Athens Information Technology, GR), Manolis Katevenis (FORTH-ICS and University of Crete, GR)
6. (S) Performance Evaluation of the Suitability of Opportunistic Networks for the Future Internet
Marios Logothetis (University of Piraeus Research Center, GR), Kostas Tsagkaris (University of Piraeus, GR), Panagiotis Demestichas (University of Piraeus, GR)

Thursday, June 30, 2011

PLENARY SESSION

“Exploiting Social Metrics in Content Distribution”

Keynote Speaker: **Prof. Ioannis Stavrakakis**

Thursday, June 30, 9:00-9:45, Room 1

Moderator: Christos Douligeris

PLENARY SESSION

“Towards Sustainability: Harnessing Computing and Communications for a Better future”

Keynote Speaker: **Prof. Martin Curley**

Thursday, June 30, 9:45-10:30, Room 1

Moderator: Christos Douligeris

Presentation of IEEE ISCC 2012 (Turkey)

Speakers: **Professor Sema Oktug and Professor Güneş Kurt**

Thursday, June 30, 10:30-11:00, Room 1

Coffee Break

Thursday, June 30, 11:00-11:30

Session 13: Wireless and Mobile Communications IV

Thursday, June 30, 11:30-13:00, Room 1

Session Chair: Sonia Aissa (University of Quebec, CA)

1. Increasing Spectrum Utilization in Wireless Infrastructure-based Systems
Dimitris Tsolkas, Nikos Passas, Lazaros Merakos (University of Athens, GR)
2. Feedback Reduction for MIMO Broadcast Channel with Heterogeneous Fading
Jin-Hao Li, Hsuan-Jung Su (National Taiwan University, TW)
3. A Low-Complexity SLM Approach Based on Time-domain Sub-block Conversion Matrices for OFDM PAPR Reduction
Yuh-Ren Tsai, Chi-Hung Lin, Yen-Chen Chen (National Tsing Hua University, TW)
4. Power Control Optimization in LMDS-CDMA Networks operating above 20GHz through Fuzzy Inference Systems
Athanasios Panagopoulos (National Technical University of Athens, GR)
5. Performance of APSK Modulation in Wireless Tactical Scenarios for Land Mobile Systems
Marco Baldi (Università Politecnica delle Marche, IT), Franco Chiaraluce (Università Politecnica delle Marche, IT), Antonio de Angelis (Thales, IT), Rossano Marchesani (Thales, Chieti, IT), Sebastiano Schillaci (Thales Italia, IT)
6. Prediction Model for the GSM Dual Half Rate Gain in a Noise-limited Environment Based on Field Measurements and Simulations
Jyrki Penttinen (Nokia Siemens Networks, ES), Francesco Calabrese (Aalborg University, DK), David Valerdi (Vodafone Technology Networks, ES), Iñigo Güemes (Vodafone, ES)

Session 14: Wireless Networking II

Thursday, June 30, 11:30-13:00, Room 2

Session Chair: Francisco Barcelo-Arroyo (Universitat Politecnica de Catalunya, ES)

1. Reliable Multicasting over LTE: A Performance Study
Antonios Alexiou, Konstantinos Asimakis, Christos Bouras, Vasileios Kokkinos, Andreas Papazois, Georgia Tseliou (RACTI and University of Patras, GR)

2. An Experimental Analysis of Routing Inconsistency in Indoor Wireless Mesh Networks
Rodrigo Couto (Federal University of Rio de Janeiro, BR), Miguel Elias Mitre Campista (Federal University of Rio de Janeiro, BR), Luís Henrique Costa (Federal University of Rio de Janeiro, BR), Otto Carlos Duarte (Universidade Federal do Rio de Janeiro, BR)
3. Towards Cellular IP Address Assignment in Wireless Heterogeneous Sensor Networks
Mazen Khair, Burak Kantarci, Hussein Mouftah (University of Ottawa, CA)
4. Non-Uniform Channelization Methods for Next Generation SDR PMR Base Stations
Alvaro Palomo Navarro, Tony Keenan, Rudi Villing (National University of Ireland Maynooth, IE)
5. (S) Performance Evaluation of Enhanced CSH-MU Solution in a Heterogeneous Network Environment
Thang Tran, Faqir Yousaf, Christian Wietfeld (TU Dortmund University, DE)

Session 15: Security issues I

Thursday, June 30, 11:30-13:00, Room 3

Session Chair: Andrei Gurtov (Helsinki Institute for Information Technology, FI)

1. Enhancing Trust Establishment in Wireless Multi-hop Networks via Preferential Attachment
Eleni Stai, Vasileios Karyotis, Symeon Papavassiliou (Institute of Comm. and Comp. Systems/National Technical University of Athens, GR)
2. (S) SeFLOOD: A Secure Network Discovery Protocol for Underwater Acoustic Networks
Gianluca Dini, Angelica Lo Duca (University of Pisa, IT)
3. iQuantitative Model Checking of an RSA-based Email Protocol on Mobile Devices
Sophia Petridou, Stylianos Basagiannis, Nikolaos Alexiou, Georgios Papadimitriou, Panagiotis Katsaros (Aristotle University of Thessaloniki, GR)
4. Exploitation of Auctions for Outsourcing Security-Critical Projects
Miltos Kandias, Alexios Mylonas, Marianthi Theoharidou, Dimitris Gritzalis (Athens University of Economics and Business, GR)
5. Security Analysis and Improvement of Smart Card-based Authenticated Key Exchange Protocol with CAPTCHAs for Wireless Mobile Network
Maryam Saeed, Hadi Shahriar Shahhoseini (Iran University of Science and Technology, IR)

Session 16: Network Design, Optimization and Management

Thursday, June 30, 11:30-13:00, Room 4

Session Chair: Reza Peyrovian (AT&T Labs Research, US)

1. Evaluating Automatic Pools Distribution Techniques to Self-configured Networks
Reinaldo Gomes (Federal University of Campina Grande, BR), Ricardo Schmidt (University of Twente, NL)
2. Assignment of Multicast Groups to Publish/Subscribe Topics in Multi-Domain Networks
Visa Holopainen (Aalto University, FI)
3. Autonomous Recovery for Link Failure Based on Tie-Sets in Information Networks
Kiyoshi Nakayama, Norihiko Shinomiya (Soka University, JP)
4. (S) MIB Design and Application for Source Address Validation Improvement Protocol
Changqing An, Jessie Wang (Tsinghua University, CN)
5. (S) Neighbourhood Monitoring for Decentralised Coordination in Multi-Agent Systems: A Case-Study
Gianluca Dini, Francesco Giurlanda (University of Pisa, IT)

Lunch Break

Thursday, June 30, 13:00-14:30

Session 17: Wireless Sensor Networks I

Thursday, June 30, 14:30-16:00, Room 1

Session Chair: Giuseppe Anastasi (University of Pisa, IT)

1. Cross-Layer Optimization of Low Power Listening MAC Protocols for Wireless Sensor Networks
Soledad Escolar (University Carlos III of Madrid, ES), Stefano Chessa (University of Pisa, IT), Jesus Carretero (Universidad Carlos III de Madrid, ES)
2. A TDMA Jitter Minimization Algorithm for Real-time Applications in Wireless Sensor Networks
Liqiang Tao (Institute of Computing Technology, Chinese Academy of Sciences, CN), Fengqi Yu (Shenzhen Institute of Advanced Technology, CAS, CN)
3. Reliable Data Delivery in Sparse WSNs with Multiple Mobile Sinks: an Experimental Analysis
Giuseppe Anastasi (University of Pisa, IT), Eleonora Borgia (IIT-CNR, IT), Marco Conti (IIT-CNR, IT), Mario Di Francesco (University of Texas at Arlington, US)
4. Vulnerability Assessment of Intrusion Recovery Countermeasures in Wireless Sensor Networks
Eliana Stavrou, Andreas Pitsillides (University of Cyprus, CY)
5. Selective Dropping Congestion Control for Wireless Multimedia Sensor Networks
Andrea Martelli, Luigi Grieco, Manlio Bacco, Gennaro Boggia, Pietro Camarda (Politecnico di Bari, IT)
6. (S) On the Design of UPnP Gateways for Service Discovery in Wireless Sensor Networks
Bruno Campos (Federal University of Amazonas, BR), Eduardo Nakamura (FUCAPI - Research and Technological Innovation Center, BR), Maurício Figueiredo (FUCAPI, BR), Joel Rodrigues (Instituto de Telecomunicações, University of Beira Interior, PT)

Session 18: Vehicular and Ad-Hoc Networks

Thursday, June 30, 14:30-16:00, Room 2

Session Chair: Gunes Kurt (Istanbul Technical University, TR)

1. Message Priority based Routing Protocol in Vehicular Ad hoc Network
Chakkaphong Suthaputchakun (Bangkok University, TH), Zhili Sun (University of Surrey, UK)
2. Real-Time Graph Visualization Tool for Vehicular Ad-Hoc Networks
Emmanouil Spanakis (Institute of Computer Science, FORTH, GR), Christodoulos Efstathiades (University of Cyprus, CY), George Pallis (University of Cyprus, CY), Marios Dikaiakos (University of Cyprus, CY)
3. Maximizing Network Capacity in an Heterogeneous Macro-micro Cellular Scenario
Francesco Ivan Di Piazza, Stefano Mangione, Ilenia Tinnirello (University of Palermo, IT)
4. Applying Adaptive QoS-aware Medium Access Control in Priority-Based Vehicular Ad Hoc Networks
Chrysostomos Chrysostomou (Frederick University, CY), Costas Tziouvas (Cyprus University of Technology, CY), Lambros Lambrinos (Cyprus University of Technology, CY)
5. (S) Fusion of WLAN and GNSS Observables for Positioning Vehicles in Urban Areas: the Position Ambiguity
Daniel Fernandez (UPC, ES), Francisco Barcelo-Arroyo (Universitat Politecnica de Catalunya (UPC), ES), Israel Martin-Escalona (Technical University of Catalonia, ES), Marc Ciurana (Technical University of Catalonia (UPC), ES), Marti Jofre (Aerospace Research & Technology Centre, CTAE, ES), Esteban Gutierrez (CTAE, ES)

Session 19: Security issues II

Thursday, June 30, 14:30-16:00, Room 3

Session Chair: Dimitrios D. Vergados (University of Piraeus, GR)

1. Privacy-Preserving Scheme for Mobile Ad Hoc Networks
Antonis Michalas (Athens Information Technology, GR), Vladimir Oleshchuk (University of Agder, NO), Nikos Komninou (Athens Information Technology, GR), Neeli Prasad (Center for TeleInfrastructure (CTIF), DK)
2. A Survey on Throughput-Efficient Architectures for IEEE P1619 for Shared Storage Media
Athanasios Kakarountas (Technological Educational Institute of Ionian Islands, GR), Epameinontas Hatzidimitriou (University of Patras, GR), Athanasios Milidonis (Technological Educational Institute of Athens, GR)
3. SpatioTemporal Emergency Role Based Access Control (STEM-RBAC)
Emmanouil Georgakakis, Stefanos Nikolidakis, Dimitrios D. Vergados, Christos Douligieris (University of Piraeus, GR)
4. (S) A2BeST: An Adaptive Authentication Service Based on Mobile User's Behavior and Spatio-Temporal Context
Cristiano Rocha (Federal University of Santa Catarina, BR), Joao Carlos Lima (Federal University of Santa Maria, BR), Mario Dantas (UFSC, BR), Iara Augustin (Universidade Federal de Santa Maria, BR)
5. (S) DISPUTE: Distributed Puzzle Tussle
Andrey Lukyanenko (Aalto University, FI), Andrei Gurtov (Helsinki Institute for Information Technology, FI), Antti Ylä-Jääski (Aalto University, FI)

Session 20: Policy issues

Thursday, June 30, 14:30-16:00, Room 4

Session Chair: Malathi Veeraraghavan (University of Virginia, US)

1. Inter-Carrier Interconnection Services: QoS, Economics and Business Issues
Costas Courcoubetis (Athens University of Economics and Business, GR), Manos Dramitinos (Athens University of Economics and Business, GR), George Stamoulis (Athens University of Economics and Business, GR), Gideon Blocq (Technion - Israel Institute of Technology, IL), Avi Miron (Technion, IL), Ariel Orda (Technion, IL)
2. (S) A Multivariate Cross-Country Empirical Analysis of the Digital Divide
Michael Iliadis, John Paravantis (University of Piraeus, GR)
3. (S) On the Pursue for a Fair Internet Regulation System: A blueprint for a content blocking system encouraging participation by the Internet users
Nikolaos Koumartzis, Andreas Veglis (Aristotle University of Thessaloniki, GR)
4. (S) A Strawman Proposal for Future Diverse Internets
Malathi Veeraraghavan (University of Virginia, US), Jie Li (University of Virginia, US), Martin Reisslein (Arizona State University, US)

Coffee Break

Thursday, June 30, 16:00-16:30

Session 21: Wireless Sensor Networks II

Thursday, June 30, 16:30-18:00, Room 1

Session Chair: Gennaro Boggia (Politecnico di Bari, IT)

1. Dual-Beacon Mobile-Node Discovery in Sparse Wireless Sensor Networks
Koteswararao Kondepu (IMT - Institute for Advanced Studies Lucca, IT), Giuseppe Anastasi (University of Pisa, IT), Marco Conti (IIT-CNR, IT)
2. Planning Updates in Multi-Application Wireless Sensor Networks
Abolhassan Shamsaie (Sharif University of Technology, IR)

3. Information Hovering: A New Approach for Performance Acceleration of Wireless Push Systems
Christos Liaskos (Aristotle University, GR), Andreas Xeros (University of Cyprus, CY), Georgios Papadimitriou (Aristotle University, GR), Andreas Pitsillides (University of Cyprus, CY)
4. Improving Source-Location Privacy Through Opportunistic Routing in Wireless Sensor Networks
Petros Spachos, Liang Song, Francis Bui, Dimitrios Hatzinakos (University of Toronto, CA)
5. (S) Efficient Detection of Composite Events in Wireless Sensor Networks: Design and Evaluation
Giuseppe Amato (ISTI-CNR, IT), Stefano Chessa (University of Pisa, IT), Claudio Gennaro (ISTI - CNR, IT), Claudio Vairo (ISTI-CNR, IT)

Session 22: Quality of Service and Quality of Experience

Thursday, June 30, 16:30-18:00, Room 2

Session Chair: Alessandro Andreadis (University of Siena, IT)

1. An adaptive QoE-based multipath video streaming algorithm for Scalable Video Coding (SVC)
Majd Ghareeb (INRIA, FR), Adlen Ksentini (University of Rennes 1 / IRISA Lab, FR), César Viho (IRISA / INRIA Rennes, FR),
2. Real-world IPTV Network Measurements
Georgios Baltoglou (KTH - Royal Institute of Technology, SE), Eirini Karapistoli (Aristotle University of Thessaloniki, GR), Periklis Chatzimisios (Alexander TEI of Thessaloniki, GR)
3. Investigating Quality of Experience and Learning (QoE & QoL) of Audiovisual Content Broadcasting to Learners over IP Networks
George Kalliris, Charalampos Dimoulas, Andreas Veglis, Maria Matsiola (Aristotle University of Thessaloniki, GR),
4. A Packet Queueing Engine for Configurable Network QoS
Gary Chang, Chung-Chieh Lee (Northwestern University, US)

Session 23: Cryptography and Privacy

Thursday, June 30, 16:30-18:00, Room 3

Session Chair: Symeon Papavassiliou (National Technical University of Athens, GR)

1. jPBC: Java Pairing Based Cryptography
Angelo De Caro, Vincenzo Iovino (University of Salerno, IT)
2. Towards Multiple-Exchange Protocol Use in Distributed AAA Frameworks for More Autonomy in MANETs
Sondes Larafa, Maryline Laurent (Institut Télécom, Télécom SudParis, FR),
3. Utilizing Document Classification for Grooming Attack Recognition
Dimitrios Michalopoulos, Ioannis Mavridis (University of Macedonia, GR)
4. A Cryptographic Suite for Underwater Cooperative Applications
Gianluca Dini, Angelica Lo Duca (University of Pisa, IT)
5. (S) Open Issues on Privacy and Trust in Collaborative Environments
George Pentafronimos, Athanasios Karantjias, Nineta Polemi (University of Piraeus, GR)

Session 24: Internet Services and Applications

Thursday, June 30, 16:30-18:00, Room 4

Session Chair: Reza Peyrovian (AT&T Labs Research, US)

1. Robustness of a P2P Community Management System based on Two-level Hierarchical DHT Overlays
Timo Koskela, Erkki Harjula, Otso Kassinen, Mika Ylianttila (University of Oulu, FI)

2. Biological-inspired Algorithms for Dynamic Search in Web Graphs
Georgios Kouzas (National Technical University of Athens, GR), Ioannis Anagnostopoulos (University of the Aegean, GR)
3. Overlay Networks Measurement for Resource Indexing under Different Routing Scheme
Mo Zhou, Jianyu Zhang, Junhua Pan, Yu Chen, Wei Zou (Peking University, CN)
4. On the Effectiveness of PR-SCTP in Networks with Competing Traffic
Mohammad Rajiullah, Anna Brunstrom (Karlstad University, SE)
5. The effects of Active Queue Management and Explicit Congestion Notification on DNS Traffic
Stefanos Harhalakis (University of Macedonia, GR), Nikolaos Samaras (University of Macedonia, GR), Vasileios Vitsas (Alexander TEI Thessaloniki, GR)
6. (S) Hint-driven DNS resolution
Rui Ferreira (Instituto de Telecomunicações, PT), Alfredo Matos (University of Aveiro, PT), Rui Aguiar (University of Aveiro, PT)

Conference Banquet

Thursday, June 30, 19:30-22:30, Trypa's Tavern

Buses for the conference banquet will be available

Friday, July 1, 2011

PLENARY SESSION

“Information-Centric Networking: Overview, Current State and Key Challenges”

Keynote Speaker: **Prof. George Pavlou**

Friday, July 1, 9:45-10:30, Room 1

Moderator: Adel Elmaghraby

Coffee Break

Friday, July 1, 10:30-11:00

Session 25: Mobile Ad-hoc Networks

Friday, July 1, 11:00-13:00, Room 1

Session Chair: Jyrki Penttinen (Nokia Siemens Networks, ES)

1. A Model for Designing Scalable and Efficient Adaptive Routing Approaches in Emergency Ad hoc Communications
Tipu Ramrekha, Grant Millar, Christos Politis (Kingston University, UK)
2. Cellular Network Location Estimation via RSS-based Data Clean Enhanced Scheme
Kai Chen (Florida International University, US), Niki Pissinou (Florida International University, US), Kia Makki (Technological University of America (TUA), US)
3. A Chunk-Based Resource Allocation Scheme for Downlink MIMO-OFDMA Channel using Linear Precoding
Sotiris Karachontzitis (University of Patras, GR), Tasos Dagiuklas (Technological Educational Institute of Mesolonghi, GR)
4. Route Change Latency in Low-Power and Lossy Wireless Networks using RPL and 6LoWPAN Neighbor Discovery
Hamidreza Kermajani, Carles Gomez (Technical University of Catalonia UPC, ES)

Session 26: Modeling and Performance Evaluation

Friday, July 1, 11:00-13:00, Room 2

Session Chair: Chrysostomos Chrysostomou (Frederick University, CY)

1. Performance Evaluation of Crosspoint Queued Switch Under the Heavy Traffic
Milutin Radonjic (University of Montenegro, ME), Igor Radusinovic (University of Montenegro, ME), Zoran Veljovic (University of Montenegro, ME), Ivo Maljevic (Soma Networks, CA)
2. Multi-step Ahead Response Time Prediction for Single Server Queuing Systems
Payam Amani, Maria Kihl, Anders Robertsson (Lund University, SE)
3. EDP-ORD: Efficient Distributed/Parallel Optimal Rule Discovery
Sahar Ghanem (Alexandria University, EG)
4. (S) Performance Modelling of a Priority Scheduling System with Exhaustive Service, Finite Capacity and Switchover
Muhammad Hayat (Technical University Vienna, AT)
5. (S) Colored Petri Nets Model based Conformance Test Generation
Jing Liu (Institute of Computing Technology, Chinese Academy of Sciences, CN), Xin-min Ye (Inner Mongolia University, CN), Jun Li (Institute of Computing Technology, Chinese Academy of Sciences, CN)

Session 27: Applications and measurements

Friday, July 1, 11:00-13:00, Room 3

Session Chair: Azzedine Boukerche (University of Ottawa, CA)

6. iMuse Mobile Tour: a Personalized Multimedia Museum Guide Opens to Groups
Athanasios Fevgas, Panagiota Tsompanopoulou, Panayiotis Bozanis (University of Thessaly, GR)
7. A Game Theory-based Approach to Reducing Interference in Dense Deployments of Home Wireless Networks
Josephina Antoniou (University of Cyprus, CY), Andreas Pitsillides (University of Cyprus, CY), Lavy Libman (University of Sydney, AU)
8. TLS and Energy Consumption On a Mobile Device: A Measurement Study
Pedro Miranda (Aalto University, FI), Matti Siekkinen (Aalto University, FI), Heikki Waris (Nokia Research Center, FI)
9. (S) A WSN-based Testbed for Energy Efficiency in Buildings
Giuseppe Anastasi, Francesco Corucci, Francesco Marcelloni (University of Pisa, IT)

Session 28: Internet Architectures, Protocols and Services II

Friday, July 1, 11:00-13:00, Room 4

Session Chair: Takashi Oshiba (NEC Corporation, JP)

1. SEDA4SC: A Staged Event-Driven Architecture for Adaptive Service Computing Runtime
Zhuqing Li (Beihang University, CN), Dianfu Ma (State Key Laboratory of Software Development Environment of Beihang University, CN), Dou Sun (Beihang University, CN), Jian Liu (Beihang University, CN)
2. Performance of a Economical, Redundant System for Intranet Connectivity
Antti Mäkelä, Jukka Manner (Aalto University, FI)
3. A Novel Classifier for Engineering Web Traffic
Wathsala Vithanage (Lanka Software Foundation, LK), Ajantha Atukorale (University of Colombo School of Computing, LK)
4. Network Interfaces Flying over IP Networks
João Paulo Barraca (University of Aveiro, PT), Alexandre Brito (Instituto de Telecomunicações, PT), Rui Aguiar (University of Aveiro, PT)
5. IP Packet Interleaving: Bridging the Gap Between Theory and Practice
Alessio Botta, Antonio Pescapé (University of Napoli Federico II, IT)
6. (S) Supporting Mobility in a Publish Subscribe Internetwork Architecture
Varvara Giannaki, Xenofon Vasilakos, Charilaos Stais, George Polyzos, George Xylomenos (Athens University of Economics and Business, GR)

Lunch Break

Friday, July 1, 13:00-14:30

Session 29: Cognitive Radio Networks

Friday, July 1, 14:30-16:00, Room 1

Session Chair: Christos Politis (Kingston University, UK)

1. Topology Control in Multi-channel Cognitive Radio Networks with Non-uniform Node Arrangements
Pin-Yu Chen (National Taiwan University, TW), Vasileios Karyotis (National Technical University of Athens, GR), Symeon Papavassiliou (Institute of Comm. and Comp. Systems/National Technical University of Athens, GR), Kwang-Cheng Chen (National Taiwan University, TW)

2. A Distributed Cooperative MAC for Cognitive Radio Ad-hoc Networks

Yun Li (ChongQing University of Posts and Telecommunications of China, CN), Ruifeng Zhang (Chongqing University of Posts and Telecommunications, CN), Ali Daneshmand (AT&T Labs Research, Middletown, CN)

3. Time-Based Cross-Layer Adaptations in Wireless Cognitive Radio Ad Hoc Networks

Vangelis Anifantis, Vasileios Karyotis, Symeon Papavassiliou (National Technical University of Athens, GR)

4. Upper Bounds for Neyman-Pearson Cooperative Spectrum Sensing

Sayed Jalal Zahabi (Isfahan University of Technology, IR), Ali A. Tadaion (Yazd University, IR), Sonia Aissa (University of Quebec, INRS-EMT, CA)

Session 30: Peer-to-Peer Computing

Friday, July 1, 14:30-16:00, Room 2

Session Chair: George Xylomenos (Athens University of Economics and Business, GR)

1. Decentralized Digital Content Exchange and Copyright Protection via P2P Networks

Dimitrios Tsolis (University of Patras, GR), Spyros Sioutas (Ionian University, GR), Alexandros Panaretos (Ionian University, GR), Ioannis Karydis (Ionian University, GR), Konstantinos Oikonomou (Ionian University, GR)

2. Revisiting the Swarm Evolution: A Long-Term Perspective

Yong Zhao, Zhibin Zhang, Li Guo, Binxing Fang (Institute of Computing Technology, Chinese Academy of Sciences, CN)

3. A comparison of streaming extensions to BitTorrent

Charilaos Stais, George Xylomenos, Angelos Archodovassilis (Athens University of Economics and Business, GR)

4. Effective Epidemic Dissemination of Multimedia Metadata in Peer-to-Peer Overlay

Paolo Bellavista, Antonio Corradi, Andrea Reale (University of Bologna, IT)

5. (S) SPECT: A System for Peer-to-Peer Economic Transactions

Fotis Loukos, Helen Karatza (Aristotle University of Thessaloniki, GR)

Session 31: Network Reliability and Security

Friday, July 1, 14:30-16:00, Room 3

Session Chair: Michael Kounavis (Intel Corporation, US)

1. Reliable Communication for Mobile MANET-WSN Scenarios

Giuseppe Cardone, Antonio Corradi, Luca Foschini (University of Bologna, IT)

2. An Efficient Heuristic for Estimating Transportation Network Vulnerability

Reda Ammar (University of Connecticut, US)

3. Analysis of Impact of Trust on Secure Border Gateway Protocol

Junaid Israr, Mouhcine Guennoun, Hussein Mouftah (University of Ottawa, CA)

4. Detecting Non-Transient Anomalies in Visual Information Using Neural Networks

Michael Kounavis, Joel Morrisette, Sadagopan Srinivasan, Raj Yavatkar (Intel Corporation, US),

5. (S) Exposing Click-Fraud Using a Burst Detection Algorithm

Dimitris Antoniou, Mersini Paschou, Evangelos Sakkopoulos, Efrosini Sourla, Giannis Tzimas, Athanasios Tsakalidis, Emmanouil Viennas (University of Patras, GR)

Session 32: Internet Architectures, Protocols and Services III

Friday, July 1, 14:30-16:00, Room 4

Session Chair: Antonio Pescapé (University of Napoli Federico II, IT)

1. Using Multiple Links to Increase the Performance of Bandwidth-Intensive UDP-Based Applications
Kristian Evensen, Dominik Kaspar, Audun Hansen, Carsten Griwodz, Pål Halvorsen (Simula Research Laboratory, NO)
2. Quick and Simultaneous Estimation of Available Bandwidth and Effective UDP Throughput for Real-Time Communication
Takashi Oshiba, Kazuaki Nakajima (NEC Corporation, JP)
3. The Network Neutrality Bot Architecture: a Preliminary Approach for Self-monitoring of Internet Access QoS
Simone Basso (NEXA Center for Internet & Society -- DAUIN -- Politecnico di Torino, IT), Antonio Servetti (Dipartimento di Automatica ed Informatica - Politecnico di Torino, IT), Juan Carlos De Martin (Politecnico di Torino, IT)
4. User-transparent Reconfiguration Method for Self-organizing IP Multimedia Subsystem
Satoshi Komorita (KDDI R&D Laboratories Inc., JP), Hidetoshi Yokota (KDDI Labs, JP), Ashutosh Dutta (NIKSUN, US), Christian Makaya (Telcordia, US), Subir Das (Telcordia Technologies, US), Dana Chee (Telcordia Technologies, US), Fuchun Lin (Telcordia Technologies, US), Henning Schulzrinne (Columbia University, US)
5. Distributed Community Detection: Finding neighborhoods in a complex world using synthetic coordinates
Harris Papadakis (Technological Educational Institute of Crete, GR), Costas Panagiotakis (Technological Educational Institute of Crete, GR), Vivi Fragopoulou (FORTH, GR)

Closing Plenary and Awards

Friday, July 1, 16:00-16:30, Room 1

Moderator: Christos Douligeris