

Monday, May 18, 2009

08:00 - 09:00 **Registration**

09:00 - 09:30 **Opening remarks by General Chairs**

09:30 - 10:15 **Plenary talk - "Mediation Bus for Future Internet Services" by Prof. George Kormentzas (University of the Aegean)**

10:15 - 10:45 **Coffee break**

10:45 - 13:00 **Tutorial 1 - "Power Saving Mechanisms in the IEEE 802.16e/m" by Prof. Bong Dae Choi (Korea University)**

13:00 - 14:00 **Lunch**

14:00 - 15:30 **Special Session on "QoS Provision in Wireless Networks" organised by Thomas Lagkas**

Aggeliki Sgora, Dimitrios Vergados, Periklis Chatzimisios **IEEE 802.11s wireless mesh networks: Challenges and Perspectives**

Dimitris Charilas, Athanasios Panagopoulos, Panagiotis Vlacheas, Ourania Markaki, Philip Constantinou **Congestion avoidance control through non-cooperative games between customers and service providers**

Christos Papageorgiou, Panayiotis Kokkinos, Manos Varvarigos **Multicost Energy-Aware Broadcasting in Wireless Networks with Distributed Considerations**

Georgios Aristomenopoulos, Timos Kastrinogiannis, Symeon Papavassiliou **Efficient QoS-Driven Resource Allocation in Integrated CDMA/WLAN Networks - An Autonomic Architecture**

Georgios Kormentzas, Luis Alonso, Christos Verikoukis **Testing Cooperative Communication Schemes in a Virtual Distributed Testbed of Wireless Networks**

14:00 - 15:30 **Session I: "Technologies and Architectures of Wireless Systems"**

Young-Duk Kim **A Tree based Self-Routing Scheme for Mobility Support in Wireless Sensor Networks**

Ondrej Krejcar **Support of full scale applications for mobile lightweight devices by prebuffering of large data artifacts**

Nikos Papayanoulas, Giannis Stelios, Helen-C Leligou, Panagiotis Trakadas, Sotiris Maniatis, Theodore Zahariadis **A novel efficient trust management system for wireless sensor networks**

Marina Buzzi, Marco Conti, Enrico Gregori **RFID-based Identification: a Measurement Study**

Pantelis A Angelidis **Uptake of mobile ICT health services: has the time come to become commodity?**

15:30 - 16:00 **Coffee break**

16:00 - 17:30 **Special Session on "Cross-Layer Designs for Wireless Communications" organised by Nikos Passas**

Nadhir Ben Halima, Dzmitry Kliazovich, Fabrizio Granelli **Application-Aware Dynamic Retransmission Control in Mobile Cellular Networks**

Luca Superiori, Martin Wrulich, Philipp Svoboda, Markus Rupp **Cross-Layer Optimization of Video Services over HSDPA Networks**

Qing Bai, Michel Ivrlac, Josef Nossek **QoS-constrained Energy Minimization in Multiuser Multicarrier systems**

Andreas Koensgen, Timm-Giel, Carmelita Goerg, Ronald Boehnke **Impact of Transmission Scheme on the Performance in Wireless LANs**

Sergio Gomez, Oriol Gras, Vasilis Friderikos **Fast Randomized STDMA Link Scheduling**

Tuesday, May 19, 2009

- 08:00 - 09:00 **Registration**
- 09:00 - 11:30 **Tutorial 2 - "Middleware Standards, Tools, Techniques and the Open Source Community" by Prof. John Soldatos (Athens Information Technology)**
- 11:30 - 12:00 **Coffee break**
- 12:00 - 13:00 **Panel 1 - "Anytime, Anywhere, Any Device: The (Wireless) Way Forward" by Kostas Vlahodimitropoulos (Cosmote S.A.), Christos Politis (Kingston University), Tasos Dagiuklas (TEI of Messologhi) and Periklis Chatzimisios (University of Macedonia)**
- 13:00 - 14:00 **Lunch**
- 14:00 - 15:30 **Special Session on "Advances and Future Directions in Wireless Metropolitan and Local Area Networks" organised by Panagiotis Sarigiannidis, Alexey Vinel and Periklis Chatzimisios**
Azmi Awang Md Isa Wireless Location Positioning Based on WiMAX Features - A Preliminary Study
Sangkyu Baek, Bong Dae Choi Performance Analysis of Power Saving Class of Type 1 with both Downlink and Uplink Traffics in IEEE 802.16e
Ioannis Daskalopoulos, Vassilios G Vassilakis, Michael D. Logothetis Thorough analysis of downlink capacity in a WCDMA cell
Jesus Alonso, Elli Kartsakli, Periklis Chatzimisios, Luis Alonso, Christos Verikoukis Self-Organizing Mobile Ad Hoc Networks: Spontaneous Clustering at the MAC Layer
Dimitris Charilas, Ourania Markaki, John Psarras, Philip Constantinou Application of Fuzzy AHP and ELECTRE to Network Selection
- 14:00 - 15:30 **Special Session on "Future Internet" (Joint Newcom++ and PASSENGER) organised by Christos Verikoukis and George Kormentzas**
Ioannis P. Chochliouros, Konstantinos Voudouris, George Agapiou, Avishay Mor Developing an Innovative Multi-Hop Relay Station Software Architecture in the Scope of the REWIND European Research Programme
Ioannis P. Chochliouros, Nancy Alonistioti, Andrej Mihailovic, Anastasia S. Spiliopoulou Self-Management in Future Internet Wireless Networks: Dynamic Resource Allocation and Traffic Routing for Multi-Service Provisioning
Nizar Zorba, Stephan Pfletschinger Increasing the Performance of OFDM-OQAM Communication Systems through Smart Antennas Processing
Ioannis Askoxylakis, Theo Tryfonas, Kostas Markantonakis A face centered cubic key agreement mechanism for mobile ad hoc networks
Tipu A Ramrekha, Christos Politis An Adaptive QoS Routing Solution for MANET Based Multimedia Communications in Emergency Cases
- 15:30 - 16:00 **Coffee break**
- 16:00 - 17:30 **Special Session on "Coexistence and Optimization for RANs and WANs" (Joint Newcom++ and LOOP) organised by Christos Verikoukis and Jo. Rodriguez**
Marco Di Renzo, Laura Imbriglio, Fabrizio Graziosi, Fortunato Santucci, Christos Verikoukis Cooperative Spectrum Sensing for Cognitive Radios: Performance Analysis for Realistic System Setups and Channel Conditions
Ioannis P. Chochliouros, Avishay Mor, Konstantinos Voudouris, George Agapiou A Mobile Multi-Hop Relay Base Station (MRBS) - Relay Station (RS) Link Level Performance of Coding/Modulation Schemes, on the basis of the REWIND Research Program

Joao Monteiro, Susana Sargento, Alvaro Gomes, Francisco Fontes, Pedro Miguel Neves **IEEE 802.16 Packet Scheduling with traffic prioritization and cross-layer optimization**

Oscar Lazaro, Ainara Gonzalez, Angel Martin, Miguel Angel Urrutia **On the Performance of Intra-System Optimization of Virtual Manufacturing Communication Systems**

Alberto Nascimento, Jonathan Rodriguez **Dynamic Resource Allocation for IEEE802.16e**

20:00 - 22:00 **Social dinner**

Wednesday, May 20, 2009

08:00 - 09:00 **Registration**

09:00 - 09:45 **Plenary talk - "Opportunities for Advanced Research in Telecom Systems - ARTES/ESA – Framework" by Dr. Vasilis Tsoulkas (Greek Ministry of Development)**

09:45 - 10:30 **Panel 2 - "Mobile Lightweight Wireless Systems - Rising to the Challenge!" by Vasilis Tsoulkas (Greek Ministry of Development), Constantinos B. Papadias (Athens Information Technology), Georgios Tsiropoulos (NTUA) and Dimitrios Stratogiannis (NTUA)**

10:30 - 11:00 **Coffee break**

11:00 - 16:00 **Research project meetings**

11:00 - 13:00 **Workshop on "Research activities funded by ESA in Greece" organised by Fotis Lazarakis**

Dimitris Vartziotis, Alkis Poulis, Alexandros Minogiannis, Panayiotis Siozos, Iraklis Goudas, Jaron Samson, Michel Tossaint **ROADSCANNER, Feasibility of a GNSS-Probe for Creating Digital Maps of High Accuracy and High Integrity**

Panagiotis Broutas, Stathis Kyriakis Bitzaros, Dimitrios Goustouridis, Stavros Katsafouros, Dimitrios Tsoukalas, Stavros Chatzandroulis **Conceptual Design of a Wireless Strain Monitoring System for Space Applications**

Th. Kaifas, K. Siakavara, D. Babas, G. Miaris, E. Vafiadis, J.N. Sahalos **On the Design of Direct Radiating Antenna Arrays with Reduced Number of Controls for Satellite Communications**

Theodore Zervos, Fotis Lazarakis, Antonis Alexandridis, Kostas Dangakis **Novel Metamaterials for Patch Antennas Applications**

Christos Samaras, Ioannis Komnios, Diamantopoulos Sotirios, Efthymios Koutsogiannis, Vassilis Tsaoussidis, Georgios Papastergiou, Nestor Peccia **Extending Internet into Space – ESA DTN Testbed Implementation and Evaluation**

13:00 - 14:00 **Lunch**

14:00 - 16:00 **Session II: "Topics related to Wireless Communications"**

Yougho Park, Chul Sur, Chae Duk Jung, Kyung-Hyune Rhee **Efficient Anonymous Authentication Protocol Using Key-Insulated Signature Scheme for Secure VANET**

Tae Ok Kim, Jin Soo Park, Kyung Jae Kim, Bong Dae Choi **Performance analysis of IEEE 802.15.4 Non-beacon Mode with both Uplink and Downlink Traffic in Non-saturated Condition**

John Soldatos, Nikos Kefalakis, Nektarios Leontiadis, Didier Donsez **Middleware Building Blocks for Architecting RFID Systems**

Martin Andra, Fumio Teraoka **Towards adaptable networking: defining the protocol optimization architecture requirements**

Rena Hansen, Bent Thomsen **Efficient and Accurate WLAN Positioning With Weighted Graphs**

16:00 - 16:30 **Closing Session**