Registration/Welcome Reception

9:00   9:30   **Opening Ceremony**

9:30   10:30   **Key Note Lecture: *Service Science, Management, and Engineering (SSME)***
Prof. Harry G. Perros, NC State University, USA

10:30   11:00   **Coffee Break**

11:00   11:45   **Key Note Lecture: *Shaping the future Internet-enabled world***
Luis Rodríguez-Roselló, European Commission

11:45   12:30   **Key Note Lecture: *Piloting a totally virtualized network environment***
Prof. Guy Pujolle, Pierre et Marie Curie University - Paris 6, France

12:30   14:30   **Lunch Break**

14:30   16:00   **Session 1: *Security and Encryption***
Session Chair: *Dr. J. Lauterjung*
• Chaos-Based Cryptosystem for Secure Transmitted Images
A. Awad, K. Ahmad, S. El Assad, D. Caragata
• Secure VoIP Communications over WiMAX Networks
L. Nazaryan, C. Politis, F. Ehtisham
• Design and Implementation of SCTP-aware DTLS
R. Seggelmann, M. Tüxen, E. Rathgeb
• A VHDL Implementation of the Advanced Encryption Standard Algorithm
G. Sideris, N. Petrakis, I. Kaliakatsos
• Explorent: A malicious application targeting the Windows XP platform
G. Philippakis, C. Manifavas

• The impact of security mechanisms, hardware and number of users on the operation of wireless networks LAN/MAN IEEE 802.11g and 802.11n - Draft 2.0 using TCP data streams

C. Giougas, S. Kyrtopoulos, S. Pouros, A. Kaloumenos, V. Oikonomou

16:00 16:30 Coffee Break

16:30 18:00 Session 2: *Network & Service Infrastructures*
Session Chair: *Prof. S. El Assad*

• Performance Analysis of Telecom Databases on SMP Platforms

J. Araúz, E. Collado

• A research on behavioural attributes towards electronic banking

A. Chatzipoulidis, A. Belidis, T. Kargidis

• A Guardian Angel For The Extended Home Environment (GUARANTEE)

G. Papadourakis, J. L. Manzaneda, M. Sinadinakis

•The impact of security mechanisms and hardware on the operation of wireless networks LAN/MAN IEEE 802.11g and 802.11n - Draft 2.0 using UDP data streams

S. Kyrtopoulos, C. Giougas, S. Pouros, A. Kaloumenos

• Client to Client throughput impact of security mechanisms and hardware on the operation of wireless networks LAN/MAN IEEE 802.11g and 802.11n - Draft 2.0 using TCP and UDP data streams

S. Pouros, S. Kyrtopoulos, C. Giougas, A. Kaloumenos

20:00 Dinner at Botanical Park

9:00   9:30   Key Note Lecture: *E-agriculture: A great challenge for ICT*
Prof. George Kormentzas, Vice President of O.P.E.K.E.PE., Greece

9:30   10:10   Key Note Lecture: *Electromagnetic variations associated with earthquakes*
Prof. Constantinos Nomicos, Technological Educational Institute of Athens, Greece

10:10   10:30   Key Note Lecture: *2G-3G Network Architecture - EMF Safety Limits - "PEDION24" EMF Continuous Measurment Programme*
Sofia Dimopoulou, COSMOTE, Greece

10:30   11:00   Coffee Break

Plenary Sessions on 15th July, 2010

1st International Workshop on Mobility in Future Internet (MiFI '10)
11:00   12:30   MiFI01: *Innovative Architectures, Business Tools & Future Directions*
Session Chair: *Prof. G. Kormentzas*
• A Cognitive Network Approach for Performing Media Independent Handover
N. Dimitriou, G. Lampropoulos, L. Sarakis, C. Skianis, G. Kormentzas
• C2POWER architecture: a first approach
A. Radwan, J. Ribeiro, H. Marques, P. Marques, J. Rodriguez
• Emergency Support Framework for Next Generation Networks
H. B. d'Agua, N. Blanco, L. Campos, L. Teixeira, M. J. Torres
• New Directions and Challenges for MIH Operation Towards Real Market Applicability
P. Makris, G. Lampropoulos, D. Skoutas, C. Skianis
• Business tools for handover-based services: The HURRICANE approach
J. Miranda, L. Campos, L. Santos, N. Correia

12:30   14:30   Lunch Break

1st International Workshop on Mobility in Future Internet (MiFI '10)

14:30 16:00 MiFI02: *Performance Evaluation*

Session Chair: *Prof. C. Skianis*

• Handover Incentives: Revised Model with Extensions for Uplink Traffic

X. Fafoutis, V. A. Siris

• Measuring IEEE 802.21 Handover Performance in ns-2

H. Marques, J. Ribeiro, P. Marques, J. Rodriguez

• A testbed for the investigation of handovers between DVB-H and a bi-directional system, e.g. WLAN or WiMax

H. Ibl, E. Amelia, J. Lauterjung

• IEEE 802.21-based handovers: implementation and testing

A. Binanti, D. Loukatos, S. Battista, E. Lefkokilos, L. Sarakis, G. Kormentzas

16:00 16:30 Coffee Break

16:30 18:00 Session 3: *Future Media Internet*

Session Chair: *Dr. F. Organoudakis*

• Towards the Deployment of a new "Media Ecosystem" For Future Internet-based Content Network

Y. Chen, D. Negru

• Indirect trust information exchange for supporting mobility in the Internet of Things

H. C. Leligou, P. Trakadas, T. Zahariadis, P. Karkazis, S. Voliotis

• Content aware searching, caching and streaming

T. Zahariadis, F. Junqueira, L. Celetto, E. Quacchio, S. Niccolini, P. Plaza

• Fast algorithm for H.264/AVC Intra Prediction Based on Discrete Wavelet Transform

D. Ruíz, O. Patiño, D. Jiménez, J. M. Menendez

• A Management Architecture for a Multi-domain Content-Aware Network

E. Borcoci, R. Iorga

20:00 Traditional Cretan Dinner

Parallel Sessions on 15th July, 2010

11:00 12:30 Session 4 (Parallel): *Advances in Radio Communications & Dynamic Spectrum Access*

Session Chair: *Prof. N. Samaras*

• Secure Techniques to Support Cognitive Access in Spectrum Bands

E. A. Panaousis, C. Politis

• An improved 3GPP reconfigurable turbo decoder for flat Rayleigh fading channels

C. Chaikalis, N. S. Samaras, O. Iatrellis, C. Kokkinos

• Efficient sharing of TV White Spaces utilizing mobile TV networks with a cognitive radio approach

A. Bourdena, G. Kormentzas, M. Astrinaki, G. Mastorakis, E. Pallis, V. Zacharopoulos

• Central Architecture for Radio Resource Management in Wireless Heterogeneous Environment

C. Silva, E. Sá, Á. Gomes

• Design of Joint Source-Channel-Network Coding for Satellite Communication Channels

A. A. Ajibesin, H. A. Chan, N. Ventura

12:30 14:30 Lunch Break

14:30 16:00 **Session 5 (Parallel):** *Advances in Multimedia Delivery*
Session Chair: *Dr. G. Gardikis*

• High-Definition Video Transmission over WiMAX in Outdoor Environment

O. Issa, W. Li, H. Liu

• Procedure to measure subtitling time in DTT and IPTV channels

M. de Castro, B. Ruiz, F. Gonzalez

• A novel approach in converting SVG architectural data to X3D worlds

K. Kapetanakis, P. Spala, P. Sympa, G. Mamakis, A. G. Malamos

• Business Model Analysis and Evaluation Framework for PQoS-aware VoIP and IPTV Services of Mobile Operators

V. Koumaras, H. Koumaras, M. Gorricho. A. Kourtis

• Peer to Peer Constellations in a broadcasting Environment

E. Markakis, C. Skianis, A. Sideris, E. Pallis, V. Zacharopoulos, L. Sakizloglou

16:00 16:30 Coffee Break

16:30 18:00 **Session 6 (Paralel):** *Testbeds and experimentation*
Session Chair: *Dr. H. Koumaras*

• A Testbed for Point-to-Point Radio-Over-Fiber Links Employing OFDM

S. Karabetsos, T. Nikas, E. Pikasis, J. Ilias, S. Mikroulis, A. Nassiopoulos

- Estimating Maximum Exposure near GSM Systems
A. Miaoudakis, D. Stratakis, T. Xenos, V. Zacharopoulos
- Human Electromagnetic Exposure Compliance to Radar Systems
A. Miaoudakis, D. Stratakis, T. Xenos, V. Zacharopoulos
- Multifractal features in ac conductivity dynamics as a tool for contamination identification
G. Hloupis, I. Stavrakas, K. Ninos, D. Triantis
- The Art of Simulation: Migrating from DES to PDES
A. Bozinaki, I. E. Venetis, N. A. Livanos, E. N. Zois, A. Nassiopoulos
- Live monitoring of environmental variables of a forest area for the detection of fire. Case study
D. Protopsaltis, S. Charakopoulos, A. Vlissidis

20:00   Traditional Cretan Dinner

Friday 16th July, 2010

Workshop: Identifying Enabling Technologies for Future Internet Experimentation

9:00 10:15 Key Note Speakers
- Symeon Papavassiliou, National Technical University of Athens, "Future Internet and Autonomic Networking: From Theory to Experimentation"
- Saleem Bhatti, St. Andrews University, Scotland, "A description of a new NGN protocol, ILNP, & the experimental infrastructure required to validate it"
- Georgios Tselentis, European Commission, "Experimenting with the Future Internet"

10:15 11:30 PII
- Eamonn Power, TSSG/WIT, "Architecture & Implementation of Testbeds Repository"
- Anastasius Gavras, Eurescom, "The role of testbeds in the implementation of the Future Internet PPP"
- Christos Tranoris, University of Patras, "Defining and operating Federation Scenarios"

11:30 11:45 Coffee Break

11:45 13:00 VITAL++
- Nico De Abreu Pereira, Rundfunk Berlin-Brandenburg, "Making Use of VITAL++ - Use Case Scenarios for IMS-based Peer-to-Peer Services"
- Nikolaos Efthymiopoulos, University of Patras, "VITAL++ Peer-to-Peer Content Distribution - Architecture and Technical Solutions"
- Jens Fiedler, Fraunhofer FOKUS, "Peer-to-Peer Security and Authentication"
- Shane Dempsey, TSSG/WIT, "VITAL++ Reference Services Adaptation"

13:00 14:00 Lunch Break

14:00 15:15 Self-NET
- N. Alonistioti, UoA, "Self-management features experimentation"
- E. Sfakianakis, OTE, "Self-management and experimentation aspects: Incorporation of self-management features in FI"
- A. Michailovic, KCL, "Situation awareness as key enabler for self-management"

15:15 15:30 Coffee Break

15:30 16:45 EFIPSANS

- Ranganai Chaparadza, Fraunhofer FOKUS, "Building Autonomic/Self-Managing Networks and Services based on IPv6 and emerging propositions for Extensions to IPv6 (IPv6++)"
- Mick Wilson & Zhaojun Li, Fujitsu Labs of Europe, UK, "An Autonomic Mobility & QoS Management Architecture in line with 3GPP"
- Timos Kastrinogiannis, Institute of Communications and Computer Systems(ICCS), Greece, "Stability and Scalability Validation in Autonomic Networks"

16:45 17:00 Closing Ceremony