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in Informatics

Harokopio  
University

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GREEK COMPUTER  
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PROGRAM

2014

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Wallace Manolis, University of the Peloponnese  
Xenos Michalis, Hellenic Open University



# Keynote Speakers

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## **Prof. Panagiotis Metaxas**, Wellesley College, USA

*"Why Prediction is Hard: Progress and Obstacles in Computational Social Science"*

**P**anagiotis Metaxas is a Professor of Computer Science, founder and director of the Media Arts and Sciences Program at Wellesley College, and an Affiliate of the Center for Research on Computation and Society (CRCS) at Harvard University. His research interests span the fields of computational social science, parallel computing, multimedia programming, image dithering and computing education. His current projects involve studying the power of crowdsourcing and social networks, especially related to the prediction of political events, and in developing Web tools that can help users estimate the trustworthiness of the information she receives. Prof. Metaxas majored in Mathematics at the University of Athens and holds a PhD in Computer Science from Dartmouth College and is a member of CRA's Board of Directors, and of the Advisory Board of ACM's Crossroads magazine.

## **Prof Joseph Sifakis**, (ACM Turing Award 2007), EPFL, President of NCRT

*"The Internet of Things - A Revolution not to Miss"*

**J**oseph Sifakis is a computer scientist, laureate of the 2007 Turing Award, along with Edmund M. Clarke and E. Allen Emerson, for his work on model checking. He studied Electrical Engineering at the National Technical University of Athens and Computer Science at the University of Grenoble. He is the founder of the Verimag laboratory, which he directed for 15 years. He is a Full Professor at EPFL, Lausanne. His current research interests cover fundamental and applied aspects of embedded systems design. The main focus of his work is on the formalization of system design as a process leading from given requirements to trustworthy, optimized and correct-by-construction implementations. Joseph Sifakis is a member of the French Academy of Sciences, a member of the French National Academy of Engineering and a member of Academia Europea. He is a Grand Officer of the French National Order of Merit, a Commander of the French Legion of Honor and a Commander of the Greek Order of the Phoenix. He has received the Leonardo da Vinci Medal in 2012. He is the President of the Greek National Council for Research and Technology.



# Special Sessions

## Hardware Design Tools and Technologies (HAT)

### Chairs

Georgios Syrakoulis, Yiorgos Tsiatouhas & Minas Dasygenis

The Special Session on Hardware Design and New Technologies aims to cope with the rapidly progressing technology which, today, reaches the nanometer scale. The areas of interest include the design, test and technology of electronic products, ranging from integrated circuit modules and printed circuit boards to full systems and microsystems, as well as the methodologies and tools used in the design, verification and validation of such products.

Topics include, but are not limited to:

- SOC, SIP design
- Multiprocessor systems
- Embedded systems
- Wireless systems
- Network on Chip
- Analog, Mixed Signal and RF systems
- MEMS systems
- Low Voltage and Low Power systems
- Innovative technologies
- Synthesis (physical, logic)
- Simulation, Validation and Verification
- 3D integration
- Hardware Security
- Nanoelectronics
- Device modeling
- Material characterization
- Failure analysis
- New components
- Packaging
- Process technology
- Reliability issues
- 3D integration
- Circuits and systems testing

## Mobile Device & Web Software Development – Small-Systems Development (MDS)

### Chairs

Nikitas Karanikolas & Ioannis Voyiatzis

MDS 2014 organizers want to provide an international forum for researchers, professionals, and industrial practitioners to share their knowledge in the rapidly growing area of software development technologies for Mobile devices, Web Information Systems and Small-Systems Development. According to the organizers knowledge, there are no other conferences that combine software development technologies for the domains of Mobile devices, Web and Small-Systems.

Topics include but are not limited to the following:

- Mobile devices software development platforms
- Location/Context-aware mobile applications
- Navigation mobile applications
- Social networking mobile software
- Mobile applications user interfaces
- Ubiquitous mobile devices computing
- Energy saving mobile software
- Software development for limited resources mobile devices
- Sensor based mobile applications
- Security and privacy issues of mobile software
- Mobile cloud computing applications
- Cross-platform mobile software development
- Data management for mobile applications
- E-learning mobile applications
- Distributed computing applications in mobile environments
- Rapid Application Development for Mobile Devices
- Applications in Mobile Commerce
- Medical Informatics Applications for Mobile Devices
- Personalization of Mobile and Web software
- Mobile and Web micro payments
- Mobile and Web government applications
- Mobile Web services development
- Architecture & Design of Mobile and Web Software Systems
- Build and Deployment processes of Mobile and Web Software Systems



- Cross-Technology Integration and Tools for Mobile and Web Software
- Server tuning of Mobile and Web Software Systems
- CFML (ColdFusion Markup Language)
- Comet technologies
- Semantic web
- Avoiding full web page reloads
- PHP Frameworks
- CFML Frameworks
- Client-side Libraries
- Internet of things
- Web of things
- Sensor networks and applications
- Pervasive computing and applications
- Pervasive healthcare
- Big data applications
- Mobile crowdsourcing
- Mobile applications for single board systems
- Single-board computers / Low-cost systems
- Metrology and applications

## **Secure Retrieval and Dissemination of Information (text and image) in Distributed and Wireless Specific- purpose Environments (SECRET\_DIDWE)**

### **Chairs**

Christos Skourlas, Eleni Galiotou & Petros Belsis

As mobile devices are enhanced continuously with more resources, wireless infrastructures provide support to a growing number of specific purpose environments. Advances on sensor technology, wireless environments, Information Retrieval, Personalization, and Content Based Image Retrieval introduce new possibilities in various sectors, realizing the anytime-anywhere access to multimedia information. This Special Session investigates Secure Retrieval and Dissemination of Information (text and image) in Distributed and Wireless specific purpose Environments (SECRET\_DIDWE).

The SECRET\_DIDWE session aims at providing researchers and professionals with an insight on:

1. Wireless architectures to enable authorized users to access sensitive information in a secure and transparent manner.
2. Policy-based architectures utilizing wireless sensor devices, advanced network topologies and software agents. Applications related to remote monitoring of patients, elderly people, etc.
3. Evaluation and Integration of Information Retrieval and Personalization techniques: Text Retrieval, and Content Based Image Retrieval techniques. Classification based on various techniques e.g. neural network techniques, fuzzy techniques, and its applications.

Topics include, but are not limited to the following:

- Security issues in IT applications. Benchmarks and evaluation of the applications
- Specific purpose Wireless architectures
- Agent based architectures. Transparent Information transfer using intelligent agents.
- Authentication and information access and retrieval in ad-hoc networks and self-organized networks
- Policies and policy-based architectures
- Novel methods for Text Retrieval, personalization, and Content Based Image Retrieval and application in specific purpose environments
- Integrated techniques for extracting information content. Classification.
- Transparent and secure communication in distributed environments
- Advanced remote medical treatment services through pervasive environments- Remote monitoring of patients and elderly people
- Neural network techniques and its applications e.g. SVM based systems that support diagnosis

## Enabling Technologies for Next Generation Access and Home Networks (NGAHN)

### Chair

Thomas Kamalakis

Since the development of long haul and metropolitan, home and access networks now constitute the next arena for telecom providers and companies. Despite the fact that fiber-based technologies dominate long to medium range networks, there is still much debate whether it can successfully be used in last-mile and in-house connections. Various wireless and wireline technologies can be used to deliver high bandwidth connections at the user premises, including radio technologies, digital subscriber lines, fiber-to-the-home, millimeter and terahertz wave communications, optical wireless, visible light communications and radio-over-fiber.

Topics include but are not limited to the following:

- Prospects and enablers for Fiber-to-the-home
- Radio networks
- Power line communications
- Wireless radio LANs
- Millimeter-wave point-to-point and point-to-multipoint connections
- Hybrid networks
- Optical wireless and free space optics
- Visible light communications
- New technologies for broadband access
- Radio-over-fiber
- Home and access network techno-economics and socioeconomics

## e-Game Development (eGD)

### Chairs

Georgios Lepouras, Simos Retalis & Maria Roussou

e-Games form a thriving and expanding part of software development industry. Currently electronic games are being designed for different purposes and audiences, with education and entertainment being the most common application areas. New technologies and interaction methods such as augmented reality and whole body interaction bring new challenges and new opportunities in the design process.

The session aims at bringing together researchers and professionals and motivating multi-origin discussions on the design, implementation and evaluation of electronic games. We seek original papers that balance theory and practice and we encourage submissions from different disciplines.

Topics include but are not limited to the following:

### Design

- interactivity in games
- serious game design
- interactive storytelling
- game mechanics

### Case Studies & Applications

- gamification in various application domains
- application domains for serious games such as, environment, cultural heritage, health, engineering
- usability studies
- games in social networks

### Mobile Games

- augmented reality
- multimedia gaming
- open space games

### Technologies

- artificial intelligence
- user modeling and profiling
- development tools





## Quality in Education Technologies (QET)

### Chairs

Kiriakos Patriarcheas & Michalis Xenos

Topics include, but are not limited to, the following:

- Learning Management Systems
- Synchronous and asynchronous educational Tools
- Web 2.0 in distance education
- Virtual classroom
- Educational software quality
- HCI in educational technologies

## Security and Privacy Issues in the Cloud Computing Era (SPCC)

### Chair

Panagiotis Rizomiliotis

Cloud Computing (CC) is the new trend in computing and resource management. The centralized provision of computing resources that the CC model supports can be very cost effective since an organization can have access, in a pay-per-use manner, to exactly those resources that are needed and only for the necessary period of time, without any further obligations. With the emergence of commercial cloud computing platforms, the CC model is constantly wide spreading and cloud services revenue is projected to reach \$148.8 billion this year. At the same time, CC's unique features raise serious security and privacy challenges. CC applications and outsourced data move dynamically, while organizations and individuals are obliged to share the same physical hardware with strangers. As the perimeter boundaries blur and the control over security diminishes, traditional security and cryptographic techniques are not any more sufficient and new solutions are needed.

Topics include (but are not limited to) the following subject categories:

- Secure cloud architecture
- Cloud access control and key management
- Identification and privacy in cloud

- Remote data integrity protection
- Secure management of virtualized resources
- Secure data management across data centers
- Secure wireless cloud
- Secure cloud resource virtualization mechanisms
- Secure data management outsourcing
- Secure computation outsourcing
- Trust and policy management in clouds
- Cloud Forensics
- Business and security risk models and clouds

## Big Data, Metadata and Knowledge (BDMK)

### Chairs

Christos Papatheodorou & Manolis Gergatsoulis

Big Data includes large datasets that origin from several human activities and are challenging to store, query, search, share and analyze. In the meanwhile, in the (semantic) web environment a special form of big data, called linked data, is rapidly increasing. Linked data represent metadata and knowledge, built upon a model for data interoperability called RDF. However, the conventional methods are limited on providing desirable operational functions on Big Data. This special session aims to provide a leading forum for exchanging and sharing experiences, new ideas, and research results on broad topics on Big Data Research, Development, and Applications.

Topics include but are not limited to the following:

- Parallel distributed and grid data management
- Big data storage, processing and querying
- Interoperability and information integration
- Linked data representation, integration
- Applications of Linked data
- Database technologies for big data
- Query evaluation for RDF and linked data
- Programming frameworks for big data



# Program Brief

## Friday 3/10

- Amphitheater
- Room B1
- Room B2

08:30 - 09:30	Registration	
09:30 - 10:30	<b>Keynote:</b> Prof. Panagiotis Metaxas	
10:30 - 11:00	Coffee Break	
11:00 - 13:00	Social Networks	MDSO <small>(Special Session)</small>
13:00 - 14:00	Lunch Break	
14:00 - 16:00	Software & Security	SECRET_DIDWE <small>(Special Session)</small>
16:00 - 16:30	Coffee Break	
16:30 - 18:30	Algorithms	Research Project Results
18:30 - 19:30	Exhibition: Arduino applications for drone development & programming	
21:00	Conference Dinner	

## Thursday 2/10

13:00 - 14:00	Registration	
14:00 - 15:00	<b>Conference Opening</b> <b>Invited Speaker:</b> E. Christofilopoulou	
15:00 - 15:30	Coffee Break	
15:30 - 17:30	Data Mining	HAT <small>(Special Session)</small>

## Saturday 4/10

10:30 - 11:45	<b>Keynote:</b> Prof. Joseph Sifakis		
11:45 - 12:15	Coffee Break		
12:15 - 13:30	NGAHN <small>(Special Session)</small>	eGD <small>(Special Session)</small>	Hardware
13:30 - 14:30	Lunch Break		
14:30 - 15:15	SPCC <small>(Special Session)</small>	BDMK <small>(Special Session)</small>	
15:15 - 15:45	Coffee Break		
15:45	Conference Closing		

# Conference Agenda

## Thursday 2/10

13:00 - 14:00	Registration
14:00 - 15:00 Amphitheater	<b>Conference Opening</b> <b>Invited Speaker</b> E. Christofilopoulou, Vice Minister of Administrative Reform & e-Governance
15:00 - 15:30	Coffee Break

15:30 - 17:30

<b>Data Mining</b> Amphitheater	<b>HAT: Hardware design tools &amp; Technologies (Special Session)</b> Room B1
<p><i>Chair:</i> <i>Christos Douligeris</i></p> <p>An automatic wrapper generation process for large scale crawling of news websites <i>Iraklis Varlamis, Nikos Tsirakis, Vasilis Pouloupoulos, Panagiotis Tsantilas</i></p> <p>An intelligent tool for expediting and automating data mining steps <i>Ourania Hatzi, Nikolaos Zorbas, Mara Nikolaidou, Dimosthenis Anagnostopoulos</i></p> <p>A Proposed Methodology for e-Business Intelligence Measurement using Data Mining Techniques <i>Stavros Valsamidis, Ioannis Kazanidis, Sotirios Kontogiannis, Alexandros Karakos</i></p>	<p><i>Chairs:</i> Georgios Syrakoulis, Yiorgos Tsiatouhas &amp; Minas Dasygenis</p> <p>Solving AI problems with memristors: A case study for optimal "bin packing" <i>Dimitrios Stathis, Ioannis Vourkas, Georgios Ch. Sirakoulis</i></p> <p>Timing Error Tolerance in Pipeline Based Core Designs <i>Stefanos Valadimas, Angela Arapoyanni</i></p> <p>Designing optimized forward residue number systems IP blocks converters from a network interface <i>Ioannis Petrousov, Minas Dasygeniss</i></p>

Full papers are allocated 25 minutes for presentation and discussion, while short papers are allocated 10 minutes.



## Thursday 2/110

16:00 - 18:00

Rating Systems Vs Machine Learning on the context of sports <i>George Kyriakides, Kyriacos Talattinis, George Stephanides</i>	Stealth Assessment of Hardware Trojans in simple Processors <i>Ioannis Nikopoulos, Athanassios Milidonis, Costas Efstathiou, Cleo Sgouropoulou, Ioannis Voyiatzis</i>
Evaluating Low Interaction Honeypots and On their Use against Advanced Persistent Threats (short paper) <i>Dimitris Fronimos, Emmanouil Magkos, Vassilios Chryssikopoulos</i>	Design, Implementation and Verification of a Customizing IP Soft Core with FPU Support (short paper) <i>Angelos Ntasios;Minas Dasygenis</i>
	Automated Generation of the Register Set of a SOC and its Verification Environment (short paper) <i>Konstantinos Poulos, Konstantinos Adaos, George P. Alexiou</i>
	Implementation of a Low Leakage Standard Cell Library based on materials from UMC 65nm technology (short paper) <i>Theodoros Simopoulos, Themistoklis Haniotakis, George Alexiou</i>

## Friday 3/10

08:30 - 09:30	Registration
09:30 - 10:30 Amphitheater	<b>Keynote</b> Prof. Panagiotis Metaxas, Wellesley College, USA <i>"Why Prediction is Hard: Progress and Obstacles in Computational Social Science"</i> <i>Chair: Theodora Varvarigou</i>
10:30 - 11:00	Coffee Break

## Friday 3/10

11:00 - 13:00

Social Networks Amphitheater	MDSO: Mobile Device and Web Software Development-Small-systems development (Special Session) Room B1
<p><i>Chair:</i> <i>Mara Nikolaidou</i></p> <p>The evolution of privacy-by-default in Social Networks <i>Alexandra Michota, Sokratis Katsikas</i></p> <p>A scalable solution for personalized recommendations in large-scale social networks <i>Christos Sardanios, Iraklis Varlamis</i></p> <p>A Study of Multiple Social Media Use in the European Parliament from an Innovation Perspective <i>Euripidis Loukis, Yannis Charalabidis, Aggeliki Androutsopoulou</i></p> <p>Predicting Tie Strength with the Facebook API <i>Tasos Spiliotopoulos, Diogo Pereira, Ian Oakley</i></p> <p>Towards digital materiality: Imbrication of Services and the re-configuration of agencies (short paper) <i>George Ktistakis, Demosthenes Akoumianakis</i></p> <p>Achieving Autonomicity in IoT systems via Situational-Aware, Cognitive and Social Things (short paper) <i>Orfevs Voutyras, Spyridon V. Gogouvitis, Achilleas Marinakis, Theodora Varvarigou</i></p>	<p><i>Chairs:</i> <i>Nikitas Karanikolas &amp; Ioannis Voyiatzis</i></p> <p>Implementation-agnostic instantiation schemes for ubiquitous, synchronous multi-user interfaces <i>George Vellis, Dimitrios Kotsalis, Demosthenes Akoumianakis, Jean Vanderdonckt</i></p> <p>A Mobile Shopping Assistant to Support Product Domesticity in Consumer Decisions <i>Sotirios-Foivos Stamopoulos, Andreas Komninos, John Garofalakis</i></p> <p>Wireless Personnel Safety System (WPSS), a Baseline towards Advance System Architecture <i>Md. Fasiul Alam, Eleni Adamidi, Stathes Hadjiefthymiades</i></p> <p>A Marketing Tool Based on Games for Smart Devices (short paper) <i>Pantelis Chistodoulou, Ioannis Diamantis, Stamatis Dragoumanos, Athanasios Kakarountas</i></p> <p>Students' Experiences from the use of MIT App Inventor in classroom (short paper) <i>Katerina Perdikuri</i></p> <p>A-Class: a novel classification method for mobile devices (short paper) <i>Ioannis Tsoulos, Alexandros Tzallas, Evripidis Glavas</i></p>

13:00 - 14:00

Lunch Break

## Friday 3/10

14:00 - 16:00

Software and Security Amphitheater	SECRET_DIDWE: Secure Retrieval and Dissemination of Information in Distributed and Wireless Specific Purpose Environments (Special Session) Room B1
<p><i>Chair:</i> <i>Iraklis Varlamis</i></p> <p>A cross country comparison on the factors determining OSS diffusion <i>Spyridoula Lakka, Teta Stamati, Christos Michalakelis</i></p> <p>Formal Specification of Open Standards and the Case of RSS v2.0 <i>Konstantinos Barlas, Eleni Berki, Iulia Adomnita, Thrushna Nalam, Golnaz S. Nejad, Jari Veijalainen, Petros Stefaneas, George Koletsos</i></p> <p>Designing and developing a free Data Loss Prevention system <i>Dimitrios Koutsourelis, Sokratis K. Katsikas</i></p> <p>Real-time information about public transport's position using crowdsourcing <i>Nikos Souliotis, Anargyros Tsadimas, Mara Nikolaidou</i></p> <p>Bypassing Antivirus Detection with Encryption (short paper) <i>Vasilis Tasiopoulos, Sokratis Katsikas</i></p>	<p><i>Chairs:</i> <i>Christos Skourlas, Eleni Galiotou, Petros Belsis</i></p> <p>Uncovering Languages from written documents <i>Nikitas Karanikolas, Panagiotis Ouranos</i></p> <p>A holistic approach for quality assurance and advanced decision making for academic institutions using the balanced scorecard technique <i>Ioannis Chalaris, Manolis Chalaris, Petros Belsis, Stefanos Gritzalis</i></p> <p>A Preliminary Investigation into the Automatic EuroVoc Indexing of Greek Documents <i>Eleni Galiotou</i></p> <p>A Surveillance System for Preventing Suicide Attempts in Urban Metro Stations <i>Theodoros Anagnostopoulos</i></p> <p>Comparison of E-Gif Ontology for Greek Public Sector with W3C Core Vocabularies (short paper) <i>Pavlina Fragkou</i></p> <p>Investigating the impact of supply chain management practices on delivery dependability (short paper) <i>Catherine Marinagi, Panagiotis Trivellas</i></p> <p>Towards Improving Classification of Real World Biomedical Articles (short paper) <i>Kostas Fragos, Christos Skourlas</i></p>

16:00 - 16:30

Coffee Break

## Friday 3/10

16:30 - 18:30

Algorithms	Research Project Results
Amphitheater	Room B1
<p><i>Chair:</i> <i>Christos Michalakelis</i></p> <p>Geometric multigrid methods based on Generic Approximate Sparse Inverses <i>George Gravvanis, Christos Filelis-Papadopoulos</i></p> <p>Higher Order Finite Difference Scheme for solving 3D Black-Scholes equation based on Generic Factored Approximate Sparse Inverse Preconditioning using Reordering Schemes <i>Eleftherios-Nektarios Grylonakis, Christos Filelis-Papadopoulos, George Gravvanis</i></p> <p>Hybrid Parallelization of Standard Full Tableau Simplex Method with MPI and OpenMP <i>Basilis Mamalis, Marios Perlitis</i></p> <p>Evaluating modern parallelization techniques on block matching algorithms <i>Minas Dasygenis, Panagiotis Michailidis</i></p> <p>An adaptive score model for a policy-making education game (short paper) <i>Anna Xenaki, Konstantinos Tserpes, Theodora Varvarigou</i></p>	<p><i>Chairs:</i> <i>Konstantinos Tserpes, George Dimitrakopoulos</i></p> <p>GEN6 EU-project – Greek Pilot: “IPv6 upgrade of Energy Efficiency in School Networks” <i>Aristotelis Kretsis, Panagiotis Kokkinos, Emmanouel Varvarigos, Vasilis Nikolopoulos, Eirini Gkioxi, Ilias Hatzakis</i></p> <p>Securing Legacy Code with the TRACER Platform <i>Konstantinos Stroggylos, Dimitris Mitropoulos, Zacharias Tzermias, Panagiotis Papadopoulos, Fotios Rafailidis, Diomidis Spinellis, Sotiris Ioannidis, Panagiotis Katsaros</i></p> <p>Developing Public Transport Network systems: The DIANA approach <i>Dimitrios Kosmopoulos, Mihalis Kalohristianakis, Sotirios Chatzis, Athanasios Malamos, Moshoula Pternea, Kostas Kepaptsoglou, Matthaios Karlaftis</i></p> <p>The OpenScienceLink architecture for novel services exploiting open access data in the biomedical domain <i>Efstathios Karanastasis, Vassiliki Andronikou, Efthymios Chondrogiannis, George Tsatsaronis, Daniel Eisinger, Alina Petrova</i></p> <p>Clustering Documents using the 3-Gram Graph Representation Model <i>John Violos, Konstantinos Tserpes, Athanasios Papaoikonomou, Magdalini Kardara, Theodora Varvarigou</i></p>

18:30 - 19:30 Amphitheater  
Exhibition: Arduino applications for drone development & programming  
*Panagiotis Papadopoulos, George Goulis, George Tsagkrinos*

21:00 Conference Dinner

## Saturday 4/10

<p>9:30 - 10:30 Amphitheater</p>	<p><b>Keynote</b> Prof Joseph Sifakis, (ACM Turing Award 2007), EPFL, President of NCRT “The Internet of Things - A Revolution not to Miss” <i>Chair: Socratis Katsikas</i></p>
<p>10:30 - 11:45</p>	<p><b>QET: Special Session in Quality in Education Technologies (Special Session)</b> Room B1</p>
Hardware	
Amphitheater	Room B1
<p><i>Chair:</i> <i>Ioannis Voyiatzis</i></p> <p>A Floating-Point Paradigm for High-level Synthesis <i>Michael Dossis</i></p> <p>FPGA Implementations for Volterra DFEs <i>Andreas Emeretlis, George Theodoridis</i></p> <p>Cost Efficient Adaptive Technologies for High Rate Optical Transmission Systems <i>Maki Nanou, George-Othon Glentis, Kristina Georgoulakis, Chris Matrakidis, Christina (Tanya) Politi, Alexandros Stavdas</i></p>	<p><i>Chairs:</i> <i>Kiriakos Patriarcheas &amp; Michalis Xenos</i></p> <p>Working Groups Analysis via Text-Based Computer-Mediated Communication – Case study <i>Kiriakos Patriarcheas, Michalis Xenos</i></p> <p>Course opinion mining methodology for knowledge discovery, based on web social media <i>Sotirios Kontogiannis, Ioannis Kazanidis, Stavros Valsamidis, Alexander Karakos</i></p> <p>Strengthening Training to Employment Pathways through competence-based IT services <i>Cleo Sgouropoulou, Katerina Georgouli</i></p>
11:45 - 12:15	Coffee Break
12:15 - 13:30	
NGAHN: Enabling technologies for next generation access & home networks (Special Session)	eGD: e-Game Development (Special Session)
Amphitheater	Room B1
<p><i>Chair:</i> <i>Thomas Kamalakis</i></p> <p>Coherent Optical Wireless Systems for High Speed Local Area Networks with Increased Resilience <i>Katerina Margariti, Thomas Kamalakis</i></p>	<p><i>Chairs:</i> <i>Georgios Lepouras, Simos Retalis, Maria Roussou</i></p> <p>Design Principles for Serious Games in Mathematics <i>Konstantinos Chorianopoulos, Michail Giannakos, Nikos Chrisochoides</i></p>





## Saturday 4/10

Photonic Technologies for Next Generation Home and Office Networks

*Thomas Kamalakis, Georgia Dede, Katerina Margariti, Panagiotis Kanakis, Dimitris Alexandropoulos, Nikos Vainos*

Slow Light in Photonic Crystal Waveguides as a Key Enabler for Future Optical Network Technologies

*Panagiotis Kanakis, Thomas Kamalakis, Adonis Bogris*

13:30 - 14:30 Lunch Break

14:30 - 15:15

**SPCC:** Security and privacy issues in the Cloud Computing Era (Special Session)  
Amphitheater

*Chair:*  
*Panagiotis Rizomiliotis*

The Rainy Season of Cryptography  
*Aikaterini Latsiou, Panagiotis Rizomiliotis*

A cloud-based architecture to crowdsource mobile app privacy leaks

*Dimitrios Papamartzivanos, Dimitrios Damopoulos, Georgios Kambourakis*

Directions for Raising Privacy Awareness in SNS platforms

*Konstantina Vemou, Maria Karyda, Spyros Kokolakis*

15:15 - 15:45 Coffee Break

15:45 Conference Closing

Adapting an Animation TV Special to Games in a Games Design University Course

*Panagiotis Kyriakoulakos, Spyros Vosinakis*

Digital Gaming for Co-Creativity in Learning: Theory-Framed Co-Design with School Communities

*Pavlos Koulouris, Evangelia Dimaraki*

**BDMK:** Big Data, Metadata & Knowledge (Special Session)

Room B1

*Chairs:*  
*Christos Papatheodorou & Manolis Gergatsoulis*

Distributed evaluation of XPath queries over large integrated XML data

*Matthew Damigos, Manolis Gergatsoulis, Eleftherios Kalogeros*

Integrating library and cultural heritage data models: the BIBFRAME - EDM case

*Sofia Zapounidou, Michalis Sfakakis, Christos Papatheodorou*

Intelligent Clouds: A Middleware Architecture Supporting Business Elasticity

*Vasileios Anagnostopoulos, Vrettos Moulos, Andreas Menychtas, Dora Varvarigou, Anna Gatzoura*

## Access & Map

### Public Transportation

**Metro:** Station Tavros (Line 1)

**Bus:**

Number 040 (Athens - Pireus)

**Trolley Buses:**

Line 1 : Attikis Square – Kallithea - Moshato

Line 5 : Labrini – Syntagma Square – Jijifies

Coming from Athens:

Harokopou Stop (*at the corner of El.Venizelou Ave and Harokopou str.*)

Coming from Athens:

Karagiannis Stop (*at the corner of El.Venizelou Ave and Evagelistrias str.*)

Harokopou Stop (*at the corner of El.Venizelou Ave and Harokopou str.*)

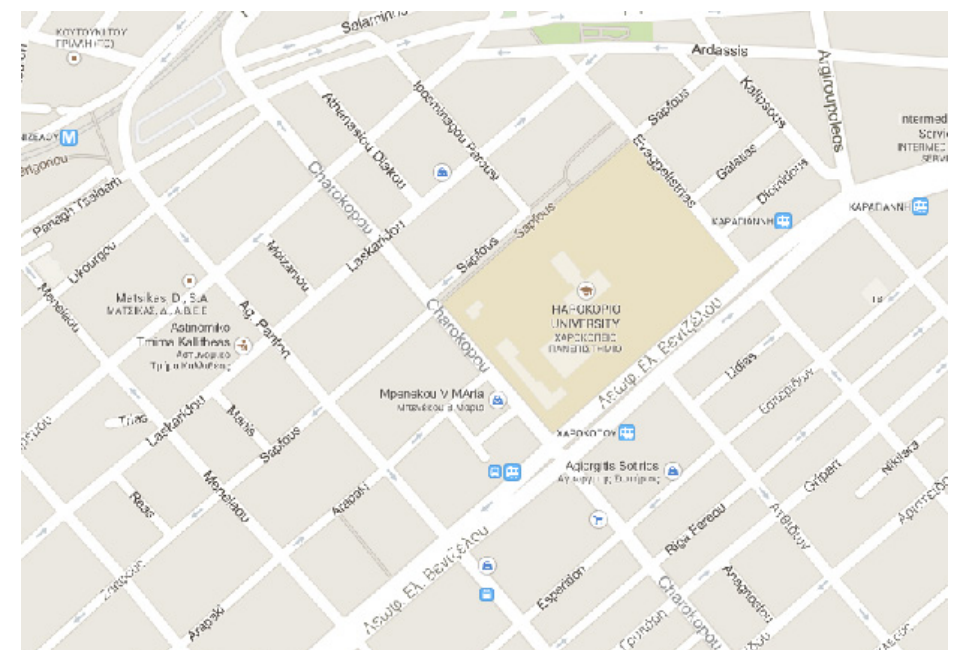
Coming from Pireus:

Agion Panton (*at the corner of El.Venizelou Ave and Agion Panton str.*)

Coming from Moshato or Jijifies:

Harokopou Stop (*at the corner of El.Venizelou Ave and Harokopou str.*)

In case you reach Harokopio University by car, you may park your vehicle in the campus parking.





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