



Tentative Schedule of Activities

Module I: The Web-of-Things

Mon, June 28, 2010: Introduction to Sensor Networks and the Web of Things

10:30-11:00	Registration (Module I)	
11:00-11:30	Welcome (Prof. G. Yovanof, Associate Dean of AIT)	<i>Amphitheater 2A</i>
11:30-12:00	Program Overview (Prof. John Soldatos) & Mini AIT Tour	
12:00-13:30	"Apple - 30 years of Innovation" Despina Liapaki, iSquare (isquare.gr)	<i>Amphitheater 2A</i>
13:30-14:30	Lunch Break	
14:30-16:00	Introduction to Sensor Networks (Prof. Tasos Dimitriou)	<i>Amphitheater 2A</i>
16:00-17:00	RFID Technology & Applications and the Internet of Things (Prof. John Soldatos)	<i>Amphitheater 2A</i>

Tue, June 29, 2010: RFID Systems and the Internet of Things

10:30-12:00	The RFID EPC Network Architecture (Prof. John Soldatos, Dr. Nikos Konstantinou)	<i>Amphitheater 2A</i>
12:00- 13:00	Sample RFID Systems and Applications (Video Presentations) <ul style="list-style-type: none"> • RFID in Apparel • RFID in Registration Management (Prof. John Soldatos, Nikos Kefalakis, MSc.)	<i>Amphitheater 2 A</i>
13:00- 14:00	Lunch Break	
14:00-15:00	Open Source RFID Middleware Solutions and the AspireRfid FOSS middleware (Nikos Kefalakis MSc.)	<i>Amphitheater 2A</i>
15:00-16:00	RFID Laboratory Demonstrations (Nikos Kefalakis MSc., Dr. Nikos Konstantinou)	<i>Smart Lab, 2nd Floor</i>
16:00-17:00	Programming RFID Systems with the AspireRfid Middleware (Nikos Kefalakis MSc., Dr. Nikos Konstantinou)	<i>Amphitheater 2 A</i>

Wed, June 30, 2010: SOA, Web Services and Mobile Computing

10:00-12:30	Introduction to Service Oriented Architectures, (Prof. Sofoklis Efremidis)	<i>Amphitheater 2^A</i>
12:30-13:30	iPhone Application Development - Developing Applications throughout the AppStore's lifecycle (Bill Rapos, Great Apps, Founder)	<i>Amphitheater 2^{AA}</i>
13:30-14:30	Lunch Break	
14:30-16:30	Knowledge Engineering and Data Mining, (Prof. Sofia Tsekeridou)	<i>Amphitheater 2A</i>
16:00-17:00	Internet as extension of life (mixed reality) (Prof. Lazaros Polymenakos)	<i>Amphitheater 2A</i>
20:30	Social Dinner at Athens Centre	<i>Plaka</i>



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Pervasive Networks and the Web of Things

June 28 - July 09 2010



Summer
School

Thu, July 1, 2010: Pervasive Computing, Smart Spaces, Intelligent Interfaces

10:00-12:00	Where and Who? Video-based detection, tracking and recognition (Prof. Aristodemos Pnevmatikakis)	<i>Amphitheater 2A</i>
12:00-13:30	Audio-Processing for Ambient Assisted Living Applications (Prof. Fotis Talantzis)	<i>Amphitheater 2A</i>
13:30-14:30	Lunch Break	
14:30- 15:30	Surface Computing and AIT's Multi-touch Surface Platform (Theodore Petsatodis, MSc.)	<i>Amphitheater 2A</i>
15:30-16:45	Image and Video Processing, Laboratory Demonstration and Exercises, (Prof. Aristodemos Pnevmatikakis, Nikos Katsarakis, MSc. Theodore Petsatodis, MSc.)	<i>Smart Lab, 2nd Floor</i>

Fri, July 2, 2010: Distributed Computing (Cloud/Grid/Utility)

10:00-11:30	Grid, Utility and Cloud Computing (Prof. J. Soldatos)	<i>Amphitheater 2A</i>
11:30-13:00	Distributed Operating Systems (Prof. S. Efremidis)	<i>Amphitheater 2A</i>
13:00-14:00	Lunch Break	
14:00-15:00	Module I – Review Exam	<i>Amphitheater 2A</i>
15:00-15:30	Presentation of Certificates – End of Module I	<i>Amphitheater 2A</i>
15:30	Departure for Athens Sightseeing Tour	

Sat, July 3, 2010:

9:45-17:00	Excursion (TBA)	
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Sun, July 4, 2009:

	Free Day	
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Υποστηρικτές



Χορηγοί



Χορηγοί επικοινωνίας





Module II: Pervasive Networking for the Future Internet

Mon, July 5, 2010: Overview & Current trends in Networking

10:30-11:00	Registration ¹ (Module II)	
11:00-11:15	Program Overview & Mini-Orientation (Prof. J. Soldatos)	<i>Amphitheater 2A</i>
11:15-11:30	Mini AIT Tour	
11:30-13:15	Architecture, Protocols and Technologies for the Future Internet, Prof. Anna Tzanakaki)	<i>Amphitheater 2A</i>
13:15-14:15	Lunch Break	
14:15-16:00	Converged infrastructures in support of Future Networks (Prof. Ioannis Tomkos)	<i>Amphitheater 2A</i>
16:00-17:00	ICT Innovation (Prof. Gregory Yovanof, Associate Dean)	<i>Amphitheater 2A</i>

Tue, July 6, 2010: Data Networks & Internet

10:30-12:10	Invited Presentation: Greece as a telecommunications bridge in SouthEastern Europe, (Dr. Evangelos Vayias, OTEGlobe)	<i>Amphitheater 2A</i>
12:20-13:40	The Transport and Network Layers of the TCP/IP protocol stack (Prof. Spiros Vassilaras)	<i>Amphitheater 2A</i>
13:45-14:40	Lunch Break	
14:40-16:00	The Link Layer and Local Area Networks (Ethernet) (Prof. Dimitris Klonidis)	<i>Amphitheater 2A</i>
16:00-17:00	An introduction to Ethereal - Ethereal Lab (Prof. Spiros Vassilaras)	<i>Amphitheater 2A</i>
17:15	Departure for Swimming	<i>Amphitheater 2A</i>

Wed, July 7, 2010: Wireless Networking

10:00-12:00	Future trends in Wireless Networking (Prof. Gregory Yovanof, Associate Dean)	<i>Amphitheater 2A</i>
12:00-13:30	Sensor Networks (Prof. Antonis Kalis)	<i>Amphitheater 2A</i>
13:30-14:30	Lunch Break	
14:30-15:30	Smart Antennas (Prof. Antonis Kalis)	<i>Amphitheater 2A</i>
15:30-17:00	Key Technologies for Next Generation Wireless Systems (Prof. Constantinos Papadias)	<i>Amphitheater 2A</i>
17:00-18:00	Wireless Networking Laboratory Demonstrations (in groups) (Professors A. Kalis, C. Papadias, S. Vassilaras, Mr. P. Tragas and Ms. E. Tsakalaki)	<i>Wireless Networking Lab</i>

¹ Participants registered for both modules, attend after the 12:00



Thu, July 8, 2010: Systems and Networking Labs

10:00-12:00	Visit at INTRACOM: Broadband and Wireless Products (INTRACOM R&D) (Dr. Dimitris Mitsainas)	<i>INTRACOM R&D</i>
12:00-13:00	Optical Access networks (PONs and FTTx) (Prof. Ioannis Tomkos)	<i>Amphitheater 2A</i>
13:00-14:00	Lunch Break	
14:00-16:00	Optical communication links and technologies (Lab-based Session) – (Prof. Dimitris Klondis) (in Groups)	<i>Optical Networking Lab</i>
20:30	Social Dinner at Athens Center	

Fri, July 9, 2010: ICT Network Security

10:30-12:30	ICT Security and Security for Smart Devices (Smart cards, Biometrics, Mobile ad hoc networks) (Prof. Nikos Komninos)	<i>Amphitheater 2A</i>
12:30-13:30	Wireless Networks Security - "Weaponizing Wireless Networks: An Attack Tool for Launching Attacks against Sensor Networks", Athanasios Gianetsos, MSc.	
13:30-14:30	Lunch Break	<i>Amphitheater 2A</i>
14:30-15:00	Module II Review Exam	
15:00-16:00	Module II Certificates Awarded – Social Event	<i>Amphitheater 2A</i>