

AIT 2010 Research Forum

November 25-26, 2010

Thursday Nov. 25: Overview Session

(Time: 17:00 – 19:30)

**17: 00 – 17:15 Welcome & Kick-off** (General Director)

**Research Overview**

17:15 – 17:45 Research Areas – Labs, PhD program, Distinctions (Associate Dean)

17:45 – 18:15 Funding, Knowledge and Technology Transfer (Research Director)

**Posters exhibition** (1 poster per research area) [posters in continuous exhibition over the 2 days]

Cocktail

Friday Nov. 26: Presentation of Research Activities, Results & Technologies  
(Time: 09:00 – 18:30)

**Module A: Broadband Communications**

9:00-9:30: Broadband Communications Research at AIT (C. Papadias)

9:30-9:50: Optical Broadband Access networks: A novel approach based on optical OFDM (K. Kanonakis)

9:50-10:10: Network resilience and its impact (A. Tzanakaki)

10:10-10:30: OneHop – A paradigm shift for wireless sensor networks (A. Kalis)

10:30-10:45: Parasitic antenna arrays (O. Alrabadi)

10:45-11:00: Coffee Break

**Module B: Web & IT Technologies**

11:00-11:30: Web & IT Research at AIT (L. Polymenakos)

Track 1: Interactive technologies

11:30-11:50: AIT's Kwebo e-learning platform and the role of educational games (E. Giannaka)

11:50-12:10: Image, video and audio technologies (A. Pnevmatikakis)

12:10-12:30: Ideas and algorithms for lottery and family games (D. Metafas)

12:30-12:50: Coffee Break

Track 2: Infrastructure Technologies

12:50-13:10: Open source middleware for added value RFID and internet of things applications (J. Soldatos)

13:10-13:30: Applications for mobile devices (S. Efremidis)

13:30-14:30: Lunch Break

**Module C: Security & Infrastructure Protection**

14:30-15:00: Security & Safety Research at AIT (T. Dimitriou)

15:00-15:20: Cryptographic primitives in networks (N. Komninos)

15:20-15:40: Security in sensor networks & RFIDs (T. Dimitriou)

15:40-16:00: Weaponizing wireless networks: an attack tool against sensor networks (S. Giannetos)

16:00-16:20: Video annotation, rich media communication and decision support in critical infrastructures for emergency handling (S. Tsekeridou)

16:20-16:45: Coffee Break

**Module D: Innovation & Entrepreneurship**

16:45-17:10: Innovation & Entrepreneurship Research at AIT (G. Yovanof)

17:10-17:30: Open source research activities (X. Ziouvelou)  
17:30-17:50: Applied business intelligence: understanding user behaviour (I. Christou)  
17:50-18:10: A strategic plan for a Greek MVNO (T. Bassayiannis)  
18:10-18:30: Telecom market analysis in the Balkans & MEA (K. Fiakas / A. Alqaisi)