ΠΡΟΣΚΛΗΣΗ

Το Ερευνητικό Κέντρο Τεχνολογίας Ευφυών Συστημάτων και Δικτύων «Κοίος» του Πανεπιστημίου Κύπρου σας προσκαλεί στο εργαστήρι **"First KIOS Workshop"**, που θα διεξαχθεί την Δευτέρα, **18 Απριλίου 2011** στην αίθουσα διαλέξεων Β108, του κτηρίου Συμβουλίου-Συγκλήτου «Αναστάσιος Γ. Λεβέντης», στην Πανεπιστημιούπολη.

Συνδιοργανωτές:
-Ερευνητικό Κέντρο «Κοίος», Πανεπιστήμιο Κύπρου
-SignalGeneriX Ltd

Χορηγείται από τα ερευνητικά έργα:
- **ΝΕΑ ΥΠΟΔΟΜΗ/ΣΤΡΑΤΗ/0308/26**
- **ΠΕΝΕΚ/ΕΝΙΣΧ/0308/78**
- **EUREKA/EUNEA/0308/01**

Π.Α. Μέχρι την Πέμπτη, 14 Απριλίου 2011.
Τηλ. 22893450/51 – Email: dpetrou@ucy.ac.cy

First KIOS Workshop Programme

09:00-09:30 **Overview of the KIOS Research Center**,
Marios Polycarpou, University of Cyprus

09:30-10:20 **SenSIP Center and NSF Consortium Research: A KIOS partner,**
Andreas *Spanias, Arizona State University*

10:20-11:10 **Distributed Embedded Systems,**
Cesare Alippi, Politecnico di Milano

11:10-11:30 Coffee Break

11:30-12:20 **Detection and Optimization Problems in Wireless Sensor Networks,**
Yannis Paschalidis, Boston University

12:20-13:10 **Security in Power Systems: Impact Identification of a Cyber Attack in the Automatic Generation Control,** *Kostas Margellos, ETH Zurich*

13:10-14:30 Lunch

14:30-15:30 **Infrastructure Monitoring and Applications**
- "Fault Tolerant Detection and Tracking of Multiple Sources in WSNs using Binary Data", M*ichalis Michaelides, University of Cyprus*
- "Wide Area Monitoring of Power Systems Using Synchronized Phasor Measurements", *Markos Asprou, University of Cyprus*
- "Area Coverage and Event Detection in Monitoring Applications using Mixed Sensor Networks", *Theofanis Lambrou, University of Cyprus*
- "Fault Diagnosis and Security in Drinking Water Distribution Systems", *Demetrios Eliades, University of Cyprus*

15:30-16:15 **Embedded Systems**
- "Intelligent Methods for Automatic Test Program Generation for Path-Delay Faults in Microprocessors", *Stelios Neophytou, University of Cyprus*
- "Depth-Directed Hardware Object Detection", C*hristos Kyrkou, University of Cyprus*
- "An Acoustic Scene Analysis Hardware/Software Paradigm", *Charalambos Andreou, University of Cyprus*

16:15-16:30 Coffee Break

16:30-17:30 **Communication Systems and Classification**
- "QSTREAM Ultra-high Data-rate Wireless Communication", *Demosthenis Doumenis, SignalGeneriX Ltd*
- "Isolated Word Endpoint Detection using Time-Frequency Kernels", *Alexandros Kyriakides, University of Cyprus*
- "Bound on the Probability of Misclassification between two HMMs", *Christoforos Keroglou, University of Cyprus*
- "Multicasting with Physical Layer Constraints in Metropolitan Optical Networks with Mesh Topologies", *Tania Panayiotou, University of Cyprus*

17:30-18:00 Wrap-up, Conclusions and Final Discussions