Invitation

We would like to cordially invite you to participate in the Joint Workshop
"From Monitoring and Control of Large Scale Systems to Affine Arithmetic"
between the
Institute of Computer Technology (ICT) of the Technical University of Vienna
and the KIOS Research Center for Intelligent Systems and Networks

When: 10:30 a.m., Monday 9th of September 2013
Where: Room 010, Building 7 (Social Facilities Building)
University of Cyprus (New Campus)

Program

10:15 - 10:30   **Welcome reception**

10:30 - 10:35   **Introduction**
Prof. Elias Kyriakides
KIOS Research Center for Intelligent Systems and Networks
Department of Electrical and Computer Engineering, University of Cyprus

10:35 - 10:50   ***Overview of the KIOS Research Centre***
Prof. Marios Polycarpou
Director, KIOS Research Center for Intelligent Systems and Networks
Department of Electrical and Computer Engineering, University of Cyprus

10:50 - 11:05   **Overview of the Institute of Computer Technology**
Prof. Dietmar Dietrich
Institute of Computer Technology
Technical University of Vienna, Austria

11:05 - 11:30   **A Selective Load Management Mechanism for the Future Grid that enables the Contribution of the Customers and maintains the Frequency Stability of the Grid**
Yiannis Tofis, *Ph.D Student, KIOS Research Center*

11:30 - 11:55   **Energy and IT**
Georg Kienesberger, Ph.D Student, ICT

11:55 - 12:20   **Synchronized Measurement Technology in Power Systems**
Markos Asprou, Ph.D Student, KIOS Research Center

12:20 - 12:45   **Social Interactions in Cognitive Agents**
Samer Schaat, Ph.D Student, ICT

12:45 - 14:00   **Lunch Break**

14:00 - 14:25   **Thing Presentations, Word Presentations, and Concepts of Logic**
Matthias Jakubec, Ph.D Student, ICT

14:25 - 14:50   **Distributed Sensor Fault Detection and Isolation for Interconnected, Nonlinear Systems: Application to HVAC Systems**
Dr. Vasso Reppa, Post-Doctoral Researcher, KIOS Research Center

14:50 - 15:15   **Extended Framework for System Simulation with Affine Arithmetic**
Michael Rathmair, University Assistant Dipl.-Ing., ICT

15:15 - 15:40   **ARTEMIS: Fault Tolerant Detection, Localization and Tracking of Multiple Events Using Wireless Sensor Networks**
Christos Laoudias, Ph.D Student, KIOS Research Center