

## INTELLICIS ACTION IC0806 – PROGRAM-AT-A-GLANCE

<b>Wednesday, 16 September 2009</b>	
08:30 – 09:30	<b>KEYNOTE PLENARY: Erkki Oja</b>
09:30 – 09:50	COFFEE BREAK
09:50 – 10:10	<b>Welcome by the Action Chair</b>
10:10 – 11:30	<b>Reliable Management and Control of Telecommunication Networks</b>
11:45 – 12:45	<b>KEYNOTE PLENARY: Xin Yao</b>
12:45 – 14:10	LUNCH
14:10 – 15:50	<b>Reliable Management and Control of Electric Power Systems</b>
15:50 – 16:10	COFFEE BREAK
16:10 – 17:50	<b>IC0806 Management Committee Meeting</b>
19:00 – 22:00	DINNER

<b>Thursday, 17 September 2009</b>	
09:00 – 10:00	<b>IntelliCIS Workshop Keynote: Massoud Amin</b>
10:00 – 10:30	COFFEE BREAK
10:30 – 12:30	<b>Intelligent System-Theoretic Approaches for Critical Infrastructure Systems</b>
12:30 – 14:00	LUNCH
14:00 – 16:30	<b>Health Monitoring and Control of Water Systems</b>

# *INTELLICIS ACTION IC0806 – DETAILED PROGRAM*

**Wednesday, Sep. 16**

**8:30 AM - 9:30 AM**

**KEYNOTE PLENARY**

**"Approximative Combinatorial Optimization by Orthogonal Nonnegative Learning,"** Erkki Oja (Helsinki University of Technology, Finland)

Room: Grand Hall A

Chair: John Taylor (King's College London, United Kingdom)

**9:30 AM - 9:50 AM**

**COFFEE BREAK**

**9:50 AM - 10:10 AM**

**Welcome by the Action Chair**

**"The IntellICIS COST Action: Status and Steps Ahead,"** Elias Kyriakides (University of Cyprus, Cyprus)

Room: Grand Hall C

**10:10 AM - 11:30 AM**

**Reliable Management and Control of Telecommunication Networks**

Room: Grand Hall C

Chair: Halina Tarasiuk (Warsaw University of Technology, Poland)

***QoS and Resilience in Self-Aware Networks***

Erol Gelenbe (Imperial College London, United Kingdom)

***Management and Monitoring Issues in Transparent Optical and Converged Optical Wireless Networks***

Kyriakos Vlachos (University of Patras, Greece)

***One Network, Two Networks, Three Networks....Multilayer Networking***

Xavi Masip-Bruin (Technical University of Catalonia, Spain)

**11:45 AM – 12:45 PM**

**KEYNOTE PLENARY**

**"Evolving, Training and Designing Neural Network Ensembles,"** Xin Yao (University of Birmingham, United Kingdom)

Room: Grand Hall A

Chair: Wlodek Duch (Nicolaus Copernicus University, Poland)

**12:45 PM – 2:10 PM**

**LUNCH**

**2:10 PM – 3:50 PM**

**Reliable Management and Control of Electric Power Systems**

Room: Grand Hall C

Chair: René Serral Graciá (Technical University of Catalonia, Spain)

***State Machine Methods for Detection of Attacks in Cyber-Power Systems***

Pavel Gladyshev (University College Dublin, Ireland)

***Wide Area Monitoring in Power Systems: Data Aggregation and Measurement Uncertainty Issues***

Mihaela Albu (University Politehnica Bucharest, Romania)

***The FP7 Viking Project***

Pontus Johnson (Royal Institute of Technology, Sweden)

**3:50 PM – 4:10 PM**

**COFFEE BREAK**

**4:10 PM – 5:50 PM**

**IC0806 Management Committee Meeting**

Room: Onisillos Room

**7:00 PM – 10:00 PM**

**DINNER**

**Thursday, Sep. 17**

**09:00 AM – 10:00 AM**

**INTELLICIS WORKSHOP KEYNOTE**

**“Toward Resilient, Self-healing and Smart Interdependent Infrastructures,”** Massoud Amin (University of Minnesota, USA)

Room: Grand Hall A

**10:00 AM - 10:30 AM**

**COFFEE BREAK**

**10:30 AM – 12:30 PM**

**Intelligent System-Theoretic Approaches for Critical Infrastructure Systems**

Room: Grand Hall C

Chair: Iain Phillips (Loughborough University, United Kingdom)

***Distributed Monitoring of Large-Scale Critical Infrastructure Systems***

Marios Polycarpou (University of Cyprus, Cyprus)

***The Structured Intelligence Approach for Modelling and Simulation of Intelligent Behaviour***

Essam Badreddin (University of Heidelberg, Germany)

***Wireless, Wired and Hybrid monitoring systems***

Cesare Alippi (Politecnico di Milano, Italy)

***Technologies and Infrastructures for Information and Knowledge Processing in Intelligent Monitoring Systems***

Vincenzo Piuri (Università degli Studi di Milano, Italy)

**12:30 PM – 2:00 PM**

**LUNCH**

**2:00 PM – 4:30 PM**

**Health Monitoring and Control of Water Systems**

Room: Grand Hall C

Chair: Attila Vidács (Budapest University of Technology and Economics, Hungary)

***Risk-based Methodology for Monitoring and Operational Management of Water Distribution Systems***

Dragan Savic (University of Exeter, United Kingdom)

***Intelligent Control and Security of Critical Infrastructure Systems: methodology, structures, algorithms and applications to drinking water distribution systems and integrated wastewater treatment systems – control systems engineering approach***

Mietek Brdys (Gdansk University of Technology, Poland)

***Multi-Objective Optimization of Urban Water Networks: Two Problems***

Dimitri Solomatine (UNESCO-IHE Institute for Water Education, The Netherlands)

***Early Warning Monitoring Design and Forensic Investigation in Drinking Water Systems***

Marco Propato (Networks, Water Treatment and Water Quality Research Unit, France)