

International PERADA-ASSYST Summer School on:

Adaptive Socio-Technical Pervasive Systems

WELCOME NOTES

3rd International PERADA-ASSYST Summer School on
ADAPTIVE SOCIO-TECHNICAL PERVASIVE SYSTEMS

Budapest: Sept: 20-27 2010

About “PERADA”

- “Pervasive Adaptation”, a research initiative of the EU
- Foundational long-term research on pervasive adaptive systems
 - Pervasive computing technologies (sensors, wearable devices, mobile systems)
 - In need of autonomously adapt to the context (physical/social) in which they operate
 - To provide effective and usable services
- The PERADA Coordination Action has the goal of promoting networking and training activities related to PERADA research themes
 - Ben Paechter (Napier University) coordinator
 - Franco Zambonelli (UNIMORE), responsible of training activities

3rd International PERADA-ASSYST Summer School on
ADAPTIVE SOCIO-TECHNICAL PERVASIVE SYSTEMS

Budapest: Sept: 20-27 2010

About “ASSYST”

- COSI-ICT “Science of Complex Systems for Socially Intelligent ICT”, a research initiative of the EU
- Foundational long-term research on complex systems
 - With a specific accent on social networks and social systems intended as complex systems
 - And aimed at unfolding the issues related to the impact of ICT on social systems and viceversa
- The ASSYST Coordination Action has the goal of promoting networking and training activities related to COSI-ICT research themes
 - Jeff Johnson (Open University) coordinator

3rd International PERADA-ASSYST Summer School on
ADAPTIVE SOCIO-TECHNICAL PERVASIVE SYSTEMS

Budapest: Sept: 20-27 2010

About the PERADA-ASSYST Summer School

- PERADA researches can hardly abstract from the social fabric in which the PERADA technologies will be put at work, as these affects the adaptation requirements
- ASSYST researches can hardly ignore the technologies that will be adopted in the context of complex social systems, as these will necessarily affect social dynamics
- There is need to **make the two communities interact and cooperate**
- This summer school is a **first attempt** at doing that
 - But how?

3rd International PERADA-ASSYST Summer School on
ADAPTIVE SOCIO-TECHNICAL PERVERSIVE SYSTEMS

Budapest: Sept: 20-27 2010

Rationale for the School Organization

- **Selected tutorials** by leading researchers in the PERADA and ASSYST areas
 - Broad and diverse focus
 - Everyone will learn something new and something different from what she normally studies
- **Workgroup projects**
 - To let people “think” together at some challenging future scenario involving PERADA and ASSYST issues
 - To mix people with different background and experiences
- **Socialization**
 - Let’s stay all together in the same place for a whole week, both juniors and seniors
 - Let’s have some fun together

3rd International PERADA-ASSYST Summer School on
ADAPTIVE SOCIO-TECHNICAL PERVASIVE SYSTEMS

Budapest: Sept: 20-27 2010

Program of the School

	Monday 20	Tuesday 21	Wednesday 22	Thursday 23	Friday 24	Saturday 25	Sunday 26	Monday 27	Tuesday 28
8.30		Presentation of the Summer School Forming of the workgroups Introduction to the case Studies	Mark Jelasiy Algorithms for Fully Distributed Techno-Social Systems	Jeff Johnson Multilevel Social Intelligence	Paul Lukowicz Human Activity Recognition	Jake Beal (h.9.30) Spatial Computing Approaches for Pervasive Systems	Jeremy Pitt (h. 9.30) Social Intelligence and Organized Adaptation	SASO Tutorials and Workshops Free choice of students	People Leave
10.00		Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break		
10.30		David Hales The SocioEconomics of P2P Systems	Mark Jelasiy Algorithms for Fully Distributed Techno-Social Svstems	Jeff Johnson Multilevel Social Intelligence	Paul Lukowicz Human Activity Recognition	Jake Beal Spatial Computing Approaches for Pervasive Systems	Jeremy Pitt Social Intelligence and Organized Adaptation		
12.00			Workgroup	Workgroup	Workgroup				
13.00		Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	
14.00		Alois Ferscha Implicit interactions in pervasive computing	Workgroup	Workgroup	Nikola Serbedzija Privacy in Emerging Pervasive Systems	Workgroup	Workgroup	SASO Tutorials and Workshops Free choice of students	
15.30		Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
16.00		First meeting of workgroup	Borbala Katalin Benko & Simon Vilmos Knowledge Unintensive Directions for Adaptive Systems	Workgroup	Rafi Haladjan Real life constraints for introducing smart objects & environments in the consumer market	The PERADA Projects Coordinator PERADA Success Stories	Project Presentations by Students		
17.30	People Arrive for Fist Night at the Hotel	Franco Zambonelli Models and Middleware for Pervasive Service Ecosystems	Students presents their own activity (10 minutes each), followed by: Open discussion on the political/ethical aspects of PERADA-ASSYST technologies (introduced by Nils Ferrand)	Marco Mamei How Web Intelligence can Help Pervasive Services	Workgroup	Workgroup			
19.30		Welcome Reception and Dinner at the "400" Restaurant. Address: Kazinczy utca 52/b. Budapest			Social Dinner at the "220 Year Old Cellar Restaurant". Address: Bécsi út 56., Budapest.		Getting out all together somewhere...		

About the Talks

- By Leading Researchers and Properly Mixing
 - Long tutorials
 - Short talks on specific hot topics
 - Short focussed perspective talks
- The Speakers are here to serve you, therefore
 - Ask questions
 - Be interactive and provocative
 - Involve them in the workgroup projects

3rd International PERADA-ASSYST Summer School on
ADAPTIVE SOCIO-TECHNICAL PERVASIVE SYSTEMS

Budapest: Sept: 20-27 2010

About the Workgroup Projects

- Will detail these later

About the Social Aspects

- Breakfasts, Coffee Breaks, Lunches
 - All included and all together
- Dinners
 - Tonight, in a nice pub as a way to get together, and already included in the registration
 - Friday night, in a fine restaurant
 - Sunday night is not included, but it would be great to spend the night all together in any case, as a sort of farewell
 - The other nights are on your own

3rd International PERADA-ASSYST Summer School on
ADAPTIVE SOCIO-TECHNICAL PERVASIVE SYSTEMS

Budapest: Sept: 20-27 2010

About the Organizers

- Borbala Katalin Benko, Technical University of Budapest
- Jeff Johnson, the Open University
- Marco Mamei, Università di Modena e Reggio Emilia
- Franco Zambonelli, Università di Modena e Reggio Emilia

- For administrative issues (payments) please refer to Jennifer Willies at the Napier University

3rd International PERADA-ASSYST Summer School on
ADAPTIVE SOCIO-TECHNICAL PERVASIVE SYSTEMS

Budapest: Sept: 20-27 2010