Radu Grosu: Cyber-Physical Systems Group
- Model checking and abstract interpretation techniques with reasoning about the behaviour of models of physical systems that include continuous and stochastic behaviours. Model discovery and system identification for stochastic and nonlinear hybrid systems. Generating sound model abstractions to simplify the reasoning process; and developing next-generation algorithms for controlling the behaviour of these systems.

Zoltán Horváth: Programming Languages and Compilers
- Programming methodology, parallel programming, functional programming

Tamás Kozsik: Parallel Patterns for Adaptive Heterogeneous Multicore Systems
- Functional programming, parallel systems, domain specific languages

András Lőrincz: Neural Information Processing Group
- Cost and risk sensitive decision making with real-time verification capabilities for cyber-physical systems. Anomaly detection, model extension, and scalability.

Kay Römer: Institute of Technical Informatics
- Systematic framework and toolchain to enable dependable IoT applications by taking into account all relevant environmental properties and their impact on IoT platforms and protocols. Environment-aware IoT protocols and automatic reconfigurations that meet application-specific dependability requirements.

Daniel Sonntag: GERMAN RESEARCH CENTER FOR ARTIFICIAL INTELLIGENCE
- Smart factory, intelligent user interfaces, multimodal interface design and dialogue systems

Vasos Vassiliou: Next Generation Network Architectures
- Next Generation Network Architectures (IPv6, MPLS), Mobile Networks (Mobile IP, Mobile MPLS, Ad Hoc and Sensor Networks), Wireless Communications (Protocol enhancements for 3G/4G cellular networks) and QoS and Traffic Engineering for computer and telecommunication networks

Edmund Widl: Complex Energy Systems Research
- Modeling and simulation of multi-domain energy systems

Program:
10.30-10:40 Introduction: Zoltán Horváth
10:40-13:00 Activities and goals
   10:40-11:00 Radu Grosu
   11:00-11:20 Tamás Kozsik
   11:20-11:40 Kay Römer
   11:40-12:00 Vasos Vassiliou
   12:00-12:20 Edmund Widl
   12:20-12:40 Daniel Sonntag
   12:40-13:00 András Lőrincz
13:00-14:30 Lunch
14:30-17:00 Discussion and options
   14:30-15:00 Real-time systems
   15:00-15:30 Verifiable Systems
   15:30-16:00 IoT applications
16:00-16:30 Coffee Break
   16:30-17:00 Model based stochastic Cyber-Physical Systems with human in the loop: energy, home, and transport
   17:00-17:30 Open discussion
   17:30-18:00 Wrap-up
19:00 Dinner at A38 ship: http://www.a38.hu/en/