

SELMAGICNETS :→ autonomic networking and **SELF-MANaGement**
In the aCcess **NETworkS**

**International Workshop on Autonomic Networking and Self-Management in the
Access Networks in conjunction with ACCESSNETS 2010 Conference, 3-5
November 2010, Budapest, Hungary**

Organized by EC funded FP7 EFIPSANS IP Project (INFSO-ICT-215549)



<http://www.efipsans.org/>

Workshop Program

Date: 05 November 2010

**Venue & Address: Art Hotel Budapest
Bem Rakpart 16-19, 1011 Budapest, Hungary
<http://www.accessnets.org/venue.shtml>**

Room: "Domino"

09:00	Opening <i>Keynote Speech</i> by Ranganai Chaparadza (Fraunhofer FOKUS, Berlin, Germany): Trends in Autonomic Networking and Self-Management: <ul style="list-style-type: none">(a) The need for a Standardizable Evolvable Architectural Reference Model for Autonomic Networking and Self-Management.(b) Evolution of Network Protocols and Paradigms towards Self-Managing Multi-Service Networks of the Future (Future Internet).(c) Standardization Initiatives
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09:40 A Min-Max Hop Count based Self-Discovering Method of a Bootstrap Router for the Bootstrap Mechanism in Multicast Routing
Toshinori Takabatake (Shonan Institute of Technology, Japan)

10:05 IPv6 and Extended IPv6 (IPv6++) Features that enable Autonomic Network Setup and Operation
Ranganai Chaparadza (Fraunhofer FOKUS Institute, Berlin, Germany),
Slawomir Kuklinski (Warsaw University of Technology, Poland)
Felician Nemeth (Budapest University of Technology and Economics (BME), Hungary)

10:40 **COFFEE BREAK**

10:55 Auto-Discovery and Auto-Configuration of Routers in an Autonomic Network
Alexej Starschenko (Fraunhofer FOKUS Institute, Berlin, Germany)

11:20 ALPHA: Proposal of mapping QoS parameters between UPnP home network and GMPLS access
Lukasz Brewka (Technical University of Denmark, Denmark)

11:45 On Self-Healing based on collaborating End-Systems, Access, Edge and Core Network Components
Nikolay Tcholtchev (Fraunhofer FOKUS Institute, Berlin, Germany)

12:10 **LUNCH**

13:10 How Autonomic Fault-Management can address current challenges in Fault-Management faced in IT and Telecommunication Networks
Ranganai Chaparadza & Nikolay Tcholtchev (Fraunhofer FOKUS Institute, Berlin, Germany)

13:35 Remediating Anomalous Traffic Behaviour in Future Networked Environments
Angelos Marnerides (Lancaster University, United Kingdom)

14:00	<p>Methodology Towards Integrating Scenarios and Testbeds for Demonstrating Autonomic/self-managing Networks and Behaviors required in Future Networks</p> <p>Vassilios Kaldanis (VELTI S.A., Athens, Greece), Peter Benko (Ericsson Hungary), Hungary), Csaba Simon (Budapest University of Technology and Economics (BME), Hungary)</p>
14:25	<p>Priority Based Delivery of PR-SCTP Messages in a Syslog Context</p> <p>Mohammad Rajiullah (Karlstad University, Sweden)</p>
14:50	<p>Efficient Data Aggregation and Management in Integrated Network Control Environments</p> <p>Patrick-Benjamin Bk (Ruhr-University Bochum, Germany)</p>
15:15	<p>General Discussions about the Workshop and Future Plans</p>
15:25	<p><u>End of the Workshop & Goodbye</u></p>