

# EUNICE 2004 Advance Program

## Monday 14 June 2004

### **08.30 Registration**

### **09.00 Opening Session** (Chair: J. Harju)

Welcoming address

Pekka Nikander, Ericsson

Invited Tutorial about Host Identity Protocol

### **10.00 Coffee break**

### **10.25 Session 1 - Radio Networks** (Chair: M. Renfors)

Topology planning considerations for capacity and location techniques in WCDMA radio networks

*Jarno Niemelä, Jakub Borkowski*

A model for mobility-dependent large-scale propagation characteristics of wireless channels

*D. Moltchanov, Y. Koucheryavy, J. Harju*

Multiple DLL Architecture for Multipath Recovery in DS-CDMA Receivers

*Marco Pini, Massimiliano Spelat, Fabio DAVIS*

Model for Estimating a Number of Potential 3G Users

*A. Krendzel, Y. Koucheryavy, V. Derzhavina, J. Harju*

### **12.05 Lunch break**

### **13.20 Session 2 - Lower Layer Issues** (Chair: E. Halász)

Establishing All-Optical Transparency Domains in WDM Networks

*Matthias C. Scheffel*

Layer 2 Virtual Private Network experiences over a metropolitan IP over DWDM network infrastructure

*F. Valera, C. Garcia, L.M. Diaz-Vizcaino, A. Azcorra, L. Bellido, D. Fernandez, J. Berrocal, J.L. Pena, I. Cabello*

Design of Optical VPNs with Simulating Physical Limitations

*Balázs Megyer, Szilárd Zsigmond, Tibor Cinkler* (short paper)

Testing Network Traffic Analyzers with TTCN-3

*Mate J. Csorba, Sandor Palugyai* (short paper)

**14.30 Coffee break**

**14.45 Walk to Company Visit to Nokia**

**15.00 Company Visit**

**16.40 End of Company Visit**

**17.30 Bus transportation from Hotel Hermica to the Welcome Reception at Hangaslahti Sauna**

**Tuesday 15 June 2004**

**08.45 Session 3 – Invited Talks + 1 paper** (Chair: B. Silverajan)

Pekka Savola, CSC / FUNET: Status of IPv6 in IETF

Juha Oinonen , CSC / FUNET: IPv6 in European research networks

A simple host centric solution to multihoming environment

*Antonio Tapiador, Tomás de Miguel Maria J. Perea, Omar Walid, Marco Hernández, David Fernandez*

**10.00 Coffee break**

**10.20 Session 4 - Network Analysis**(Chair: M. Munafo)

Statistical Traffic Sampling Methods for Network Management and Inter-Domain Charging

*Peter Racz, Frank Eyermann, Burkhard Stiller*

Analysis of Tools for the Characterization of Latency and Physical Bandwidth of Internet Links

*Andrés Navarro, Marifeli Sedano, Bernardo Alarcos*

IP-Packet Service Time Distributions in UMTS Radio Access Networks

*Arthur Mutter, Marc C. Necker, Stephen Lück*

Advanced Methods in GPRS Network Analysis

*Pál Varga, Péter Tatai*

**12.00 Lunch break**

**13.10 Session 5 - Mobility** (Chair: P. Kühn)

Parameter Considerations of LTRACK

*Sándor Imre, Mate Szalay*

Movement Notification in Mobile IPv6

*Mark Borst, Bilhanan Silverajan*

Adaptation of IPv6 multicast protocols to heterogenous mobile networks  
*Zoltán Lajos Kis, Zsolt Kovácsné, Péter Kersch, Csaba Simon*

**14.25 Coffee break**

**14.40 Session 6 - Testing & Networking** (Chair: J. Harju)

Evolutionary algorithms in automated test generation  
*Robert Horvath, Gabor Vincze*

Virtual Transmission based MAC Protocol for Wireless Networks  
*Tamás Radvánski, Balázs Benkovics, Csanád I. Szabó, Sándor Imre*

Monitoring an academic network with netflow  
*David López, Jorge E. López-de-Vergara, Luis Bellido, David Fernández* (short paper)

A HighSpeed TCP Study: Observations and Reevaluation  
*Tuan Anh Trinh, Balázs Sonkoly, Sándor Molnár* (short paper)

**15.45 EUNICE Steering Group: General Assembly**

**18.10 Visit at Vapriikki Museum and Conference Dinner at Finlayson Palace  
Bus leaves to the City Center at 18.10 from Hotel Hermica**

**Wednesday 16 June 2004**

**08.30 Session 7 - Invited Talk + 1 paper** (Chair: Y. Koucheryavy)

Jari Pasanen, Nokia  
Future Mobile Multimedia

Towards a Platform Independent Architecture for Multi-access Mobiles  
*Guruprasad Balasubramanyam, Rod Walsh, Mika K Lepisto*

**09.40 Coffee break**

**10.00 Session 8 - Services I** (Chair: A. Pras)

A Metadata Model for Service Description and User Profile and Facilities of Service Retrieving in Distributed Systems  
*Oussama Kassem Zein, Yvon Kermarrec*

An Approach for Dynamic Service Management  
*Shanshan Jiang, Mazen Malek Shiaa, Finn Arve Aagesen*

Discovering Service Opportunities by Evaluating Service Goals  
*Richard Torbjorn Sanders, Rolv Braek*

Beyond JAIN. Towards Parlay-based Java APIs for Telecommunications  
*Iria Estévez-Ayres, Pablo Basanta, Norberto Fernández, Marisol Garcia-Valls*

Techniques to include QoS capabilities in Java RMI (*short paper*)  
*Carlos Garcia Garcia* (short paper)

**11.50 Lunch break**

**12.55 Session 9 - Services II** (Chair: Y. Kermarrec)

Service Continuity and Personalisation in Future Mobile Services  
*Ivar Jorstad, Schahram Dustdar, Do van Thanh*

Prototyping Web Services based Network Monitoring  
*Thomas Drevers, Remco van de Meent, Aiko Pras*

On the standardization of Web service management applications  
*Jeroen van Sloten, Aiko Pras, Marten van Sinderen*

**14.10 Coffee break**

**14.25 Session 10 - Security Issues** (Chair: J. Koskinen)

RESPIRE – a Novel Approach to Automatically Blocking SYN Flooding Attacks  
*Gábor Fehér, András Korn*

MIDCOM and Affiliated Issues with Application Layer Protocols  
*Andreas Müller, Sebastian Kiesel*

Security Challenges in MANET-based Telematics Environments  
*Stephan Eichler*

A Security Architecture for Open Services in Pervasive Computing Environments  
*Mario Muñoz* (short paper)

**15.50 Closing Remarks**