

Technical Program

The First ACM/IEEE International Workshop on Mobility in the Evolving Internet Architecture (MobiArch 2006)

December 1, 2006, Fairmont Hotel, Empire Room (9:00-17:00)

Morning (9:00-12:40)

Welcome from Chairs

9:00-9:10

Keynote speech: Charles E. Perkins (Nokia Research Center)

9:10-10:05

Ad Hoc Networks, IETF, and Convergence in Solution Space

Technical Session: Mobility Optimization, Chair: Rajeev Koodli

10:05-11:00

Deploying Home Agent Load Sharing in Operational Mobile IPv6 Networks

Wolfgang Fritsche (IABG, DE); Ivano Guardini (Telecom Italia Lab, IT)

Signalling Cost Analysis of SINEMO: Seamless End-to-End Network Mobility

Abu Ahmed Reaz (University of Oklahoma, US); Pulak Chowdhury (University of Oklahoma, US); Mohammed Atiquzzaman (University of Oklahoma, US); William Ivancic (NASA Glenn Research Center, US)

Optimized FMIPv6 Handover using IEEE 802.21 MIH Services

Qazi Mussabbir (Brunel University, UK); Wenbing Yao (Brunel University, UK)

Morning Break: 11:00-11:10

Technical Session: Higher Layer Issues, Chair: Katherine Guo/Xiaoming Fu

11:10-11:45

Towards More Expressive Transport-Layer Interfaces

Lars Eggert (NEC Europe Ltd, DE); Wesley Eddy (Verizon / NASA, US)

Application Protocol Design Considerations for a Mobile Internet

Joerg Ott (Helsinki University of Technology, FI)

Panel Session: **Mobility for the Internet: Closing the Gap between Research & Deployment**

11:45-12:40

Panelists:

Hannes Tschofenig (Siemens, DE), Chair

Aaron Falk (ISI/USC, US)

Jari Arkko (Ericsson, FI)

Rajeev Koodli (Nokia, US)

Richard Paine (The Boeing Company, US)

James Kempf (DoCoMo USA Labs, US)

Lunch Break: 12:40-14:00

Afternoon (14:00-17:00)

Keynote speech: Henning Schulzrinne (Columbia University)

14:00-14:55

User Mobility in IEEE 802.11 Networks

Technical Session: Mobile Network Architectures, Chair: Jari Arkko

14:55-15:50

CogNet – An Architectural Foundation for Experimental Cognitive Radio Networks within the Future Internet

Dipankar Raychaudhuri (Rutgers Univ., US); Narayan Mandayam (WINLAB, Rutgers University, US); Joseph Evans (University of Kansas, US); Benjamin Ewy (University of Kansas, US); Srinivasan Seshan (Carnegie Mellon University, US); Peter Steenkiste (Carnegie Mellon University, US)

MobiSplit: a Scalable Approach to Emerging Mobility Networks

Julien Abeille (NEC Europe Ltd, DE); Rui Aguiar (Universidade de Aveiro, PT); Telemaco Melia (NEC Europe Ltd, DE); Patrick Stupar (Telecom Italia Lab, IT); Ignacio Soto (University Carlos III of Madrid, ES)

Mobility Architecture for the Global Internet

Phil Roberts (Motorola Labs, US); James Kempf (DoCoMo Labs, US)

Afternoon Break: 15:50-16:00

Technical Session: Security and Privacy, Chair: Aaron Falk

16:00-16:55

GSABA: A Generic Service Authorization Architecture

Florian Kohlmayer (Siemens AG, DE); Rafael Marin (University of Murcia, ES); Hannes Tschofenig (Siemens AG, DE); Pedro Segura (Universidad de Murcia, ES); Rainer Falk (Siemens AG, DE); Antonio Gomez-Skarmeta (University of Murcia, ES); Santiago Zapata (University of Murcia, ES)

HIP Location Privacy Framework

Alfredo Matos (Universidade de Aveiro, PT); Justino Santos (Universidade de Aveiro, PT); Joao Girao (NEC Europe Ltd., DE); Marco Liebsch (NEC Europe Ltd, DE); Susana Sargento (Universidade de Aveiro, PT); Rui Aguiar (Universidade de Aveiro, PT)

Protecting Mobile Devices from TCP Flooding Attacks

Yogesh Swami (Nokia Research Center, US); Hannes Tschofenig (Siemens AG, DE)

Wrap-Up and End of Workshop

16:55-17:00