

AOC 2007

First International IEEE
WoWMoM Workshop on

Autonomic and Opportunistic Communications



AOC 2007 Program



Helsinki (Finland) 18-21 June 2007

Monday June 18, 2007

8h45 -9h00: Opening Remarks

9h00 -9h30: Keynote message
Fabrizio Sestini, EC

9h30-11h00: Session 1: Architectures

DTN-based Content Storage and Retrieval

Joerg Ott, Mikko Juhani Pitkaenen

Basic Abstractions for an Autonomic network Architecture

Christophe Jelger, Christian Tschudin, Stefan Schmid, Guy Leduc

Flex-WiFi: a mixed infrastructure and ad-hoc IEEE 802.11 network for data traffic in a home environment

Carlo Parata, Gabriella Convertino, Vincenzo Scarpa

11h00-11h30: Coffee break

11h30-13h00: Session 2: Routing in Opportunistic Networks

Utility-based Message Replication for Intermittently Connected Heterogeneous Networks

Thrasyvoulos Spyropoulos, Thierry Turletti, Katia Obraczka

GeoOpps: Opportunistic Geographical routing for Vehicular Networks

Ilias Leontiadis, Cecilia Mascolo

Probabilistic Routing Protocol for Intermittently Connected Mobile Ad hoc Networks (PROPICMAN)

Anh Hoang Nguyen, Silvia Giordano, Alessandro Puiatti

13h00-14h00 Lunch break

14h00-15h30: Sessions 3: Opportunistic and Social Networks

Defining and Exploiting Network Topologies in Human Networks

Martin Roth, Pablo Vidales

Impact of Social Mobility on Routing Protocols in Opportunistic Networks

Chiara Boldrini, Marco Conti, Andrea Passarella

Performance Analysis of Probabilistic Flooding Using a Random Graph Equivalent

Konstantinos Oikonomou, Ioannis Stavrakakis

15h30-16h00: Coffee break

16h00-17h00: Sessions 4: Security

Barter-based cooperation in delay-tolerant personal wireless networks

Levente Buttyan, Laszlo Dora, Mark Felegyhazi, Istvan Vajda

Vulnerabilities in Epidemic Forwarding

Alaeddine El Fawal, Jean-Yves Le Boudec, Kave Salamatian

17h00-18h00: Panel

Autonomic and Opportunistic Communications in the Future Internet

Organized by Joerg Ott, HUT, Finland

Panelists: Lars Eggert, Nokia Research Center, IETF Transport AD

Stephen Farrell, Trinity College Dublin, Co-Chair IRTF DTNRG

Andrea Passarella, IIT - CNR

The workshop is jointly organized
by the projects:



funded by the FET-IST Programme

in the area
Situated and Autonomic
Communications (SAC)

