

**THE 2005 IFIP INTERNATIONAL CONFERENCE ON INTELLIGENCE
IN COMMUNICATION SYSTEMS (INTELLCOMM 05)**

October 17-19, 2005, Montreal, Canada

<http://www.congresbcu.com/intellcomm2005/>

Technical Program

Monday October 17, 2005

7:30 Registration

8:30 – 12:30 Tutorials: T2 & T3

Tutorial-T2: Context Aware Mobile Communications and Ambient Networks

Speakers: *Ahmed Karmouch, and Nancy Samaan*

School of Information Technology and Engineering University of Ottawa, Ottawa, Canada

Tutorial-T3: The IP Multimedia (Sub) System as Target Service Delivery Platform for Mobile All-IP Networks.

Speaker: *Thomas Magedanz, TU Berlin / Fraunhofer FOKUS, Germany*

14:00- 18:00 Tutorials: T1

Tutorial-T1: Peer-to-Peer Networking

Speaker: Raouf Boutaba, University of Waterloo, Canada

18:00 Reception

Tuesday October 18, 2005

7:30 Registration

9:00 Opening Remarks

9:30 Keynote

10:30 Coffee Break

11:00 Session 1: Next Generation Networks and Active Networks

A Look into the 4G Crystal Ball

Simone Frattasi, Frank Hanns Paul Fitzek, Ramjee Prasad., Aalborg University, Denmark

Adaptable Services and Applications for Networks

Josep Polo, Jaime Delgado, Universitat Pompeu Fabra, Spain

Self-management in Ambient Networks for Service Composition

Lawence Cheng, University College London, United Kingdom

Towards Programmable Context-aware Voice Services (CaVoIP)

Kerry Jean , Nikolaos Vardalach, Alex Galis, University College London, United Kingdom

12:30 Lunch

13:30 Session 2: Quality of Service Management

Improvement of MPLS Performance by Implementation of a Multi-Agent System

Rana Rahim-Amoud, Leila Merghem-Boulahia, Dominique Gaiti, University of Technology of Troyes, France

A Fuzzy Petri Nets QoS Model for Wireless Ad hoc Networks

Lyes Khoukhi, Soumaya Cherkaoui, Université de Sherbrooke, Canada

Inter-domain Traffic Engineering Using MPLS

Meral Shirazipour, Samuel Pierre, Yves Lemieux, Ecole Polytechnique Montréal/Ericsson, Canada

14:30 Session 3: Adaptive Architectures and Protocols

Autonomic Service Configuration by a Combined State Machine and Reasoning Engine Based Actor

Paramai Supadulchai, Finn Arve Aagesen, Norwegian University of Science and Technology, Norway

Formal Modelling of an Adaptable Service System

Mazen Malek Shiaa , Finn Arve Aagesen, Cyril Carrez, Norwegian University of Science and Technology, Norway

Discovering Architecture Formalism of Geo-Located Web Services Architecture for Next Generation of Mobile Networks

Andre Claude Bayomock, Samuel Pierre, Ecole Polytechnique Montréal, Canada

15:30 Coffee Break

16:00 Session 4: Security, Privacy, and Consumer Protection

A Key-Exchanging Scheme for Distributed Sensor Networks

Hung Xuan Le, KyungHee University, Korea

A Localized Architecture for Detecting Denial of Service (DoS) Attacks in Wireless Ad Hoc Networks

Mieso K. Denko, University of Guelph, Canada

Decoupling Components of an Attack Prevention System using Publish/Subscribe

Joaquin Garcia, Michael A. Jaeger, Gero Muehl, Joan Borrell, Autonomous University of Barcelona, Spain

XML Access Control for Security and Memory Management

Sun-Moon Jo, Inha University, Korea

Context-Aware Security Policy Agent for Mobile Internet Services

Yee George, National Research Council Canada, Canada

18:00 Adjourn

19:30 Dinner

Wednesday October 19, 2005

8:00 Registration

9: 00 Session 5: Wireless Ad hoc and Sensor Networks

A Cluster Header Routing for Wireless Sensor Networks

Kyungjun Kim, Dongwhan Kim, kyungpook national university, Korea

Using Mobile Agent for Location-Specific Data Retrieval in MANET

Kenji Tei, Nobukazu Yoshioka, Yoshiaki Fukazawa, Shinichi Honiden, Waseda University, Japan

Directional Antenna based Performance Evaluation of 802.11 Wireless Local Area Networks

Janise McNair, Kartikeya Tripathi, Haniph Latchman, University of Florida, USA

10:00 Coffee Break

10: 30 Session 6: Service Composition and Web services

Web Service Discovery and Dynamic Invocation based on UDDI/OWL-S

Jian Jun Yu, Gang Zhou, Beihang university, China

Information Appliances Control Using Instant Messenger

Seong Joon Lee, Gwang Seon Ahn, Kyungpook National University, Korea

Enabling Mobile Commerce through Location Based Services

Yufei Wu, Ji Li, Samuel Pierre, Ecole Polytechnique Montréal, Canada

Approximating SAML using Similarity Based Imprecision

Guillermo Navarro, Simon N. Foley, Universitat Autònoma de Barcelona, Spain

A P2P Collaborative Framework for Smartphone

Heien-Kun Chiang , Feng-Lan Kuo, Ming-Ting Chen, National Changhua University of Education, Taiwan

12:30 Lunch

13:30 Session 7: Personal, Terminal and Node Mobility

Optimization of Handover Performance for FMIPv6

Li Jun Zhang, Samuel Pierre, Laurent Marchand, Ecole Polytechnique Montréal/Ericsson, Canada

A Framework for Building Customized Adaptation Proxies

Hana Karina Salles Rubinsztejn, Markus Endler, Noemi Rodriguez, PUC-Rio, Brazil

AMAPOLA: A Simple Infrastructure for Ubiquitous Computing

Guillermo Navarro , Joaquin Penalver, Jose Antonio Ortega-Ruiz, Joan Ametller, Joaquin Garcia, Joan Borrell, Universitat Autònoma de Barcelona, Spain

CoLoS - A System for Device Independent and Position Aware Communication

Stefan Lietsch, Odej Kao, University of Paderborn, Germany

15:00 Coffee Break

15:30 Session 8: Flexible Service Specification and Architecture

Service-driven Group Management for Mobile P2P Services

Liotta Antonio, Marco Ballette, Ling Lin, University of Essex, United Kingdom
Max Gasparoni, Patrick Brick, Nick Papadoglou, Vodafone, United Kingdom

Dynamic Role Binding in a Service Oriented Architecture

Humberto Nicolas Castejon, Rolv Richard Braek, The Norwegian University of Science and Technology, Norway

Distributed Proxy Architecture for service Discovery in peer-to-peer networks

Marcos Madruga Pinheiro , Thais Vasconcelos Batista, Luiz Affonso Guedes, Universidade Federal do Rio Grande do Norte, Brazil

An Optimizing Query Processor with an Efficient Caching Mechanism for Distributed Databases

Prabha Selvaraj, Anna University, India

17:00 Closing Remarks