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# The Joint Technical Program for NEW2AN/ruSMART 2009

Updated on July 09, 2009

ruSMART 2009

TUESDAY, SEPTEMBER 15, 2009

9:00 – 9:10 Opening and Welcome address

9:10 – 10:00 Invited Talk

Ubiquitous Computing User Interfaces (UII), Aaron J. Quigley (University College Dublin, Ireland)

10:00 – 10:10 Coffee Break

10:10 – 11:00 Invited Talk

ITU G.hn concept and Home Automation, Manfred Schneps-Schneppe (Ventspils University College, Latvia)

11:00 – 13:00 Session I

Extending Context Spaces Theory by Predicting Run-time Context, Andrey Boytsov (Luleå Technical University, SE); Arkady Zaslavsky (Monash University, AU); Kåre Synnes (Luleå University of Technology, SE)

Cross-Domain Interoperability: a Case Study, Ian Oliver (Nokia Research Center, FI)

A Topology based Approach for Context-Awareness in Smart Environments, Antonio Coronato (ICAR-CNR, IT); Giuseppe De Pietro (ICAR, IT)

Anonymous Agent Coordination in Smart Spaces: State-of-the-Art, Alexander Smirnov (SPIIRAS, RU); Alexey Kashevnik (SPIIRAS, RU); Nikolay Shilov (SPIIRAS, RU); Ian Oliver (Nokia Research Center, FI); Antti Lappetelainen (Nokia Research Center, FI); Sergey Boldyrev (Nokia Research Center, FI); Sergey Balandin (Nokia Research Center, FI)

13:00 – 14:00 Lunch

14:00 – 15:30 Session II

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On The Fly Situation Composition within Smart Spaces, Prem Prakash Jayaraman (Monash University, AU); Arkady Zaslavsky (Luleå University of Technology, SE); Jerker Delsing (Luleå University of Technology, SE)

Empower mobile workspaces by wireless networks and wearable computing, Michael Lawo (University of Bremen, DE); Otthein Herzog (University of Bremen, DE); Michael Boronowsky (TZI Bremen, DE); Peter Knackfuß (InfoConsult GmbH, DE)

Multimodal interaction with the intelligent meeting room facilities from inside and outside, Andrey Ronzhin (SPIIRAS, RU), V.Yu. Budkov (SPIIRAS, RU)

15:30 – 15:45 Coffee Break

15:45 – 17:15 Session III

Ubi-Check: a pervasive integrity checking system, Michel Banâtre (INRIA, FR)

Towards a Lightweight Security Solution for User-Friendly Management of Distributed Sensor Networks, Pentti Tarvainen (VTT Technical Research Centre of Finland, FI); Mikko Ala-Louko (VTT Technical Research Centre of Finland, FI); Marko Jaakola (VTT Technical Research Centre of Finland, FI); Ilkka Uusitalo (VTT Electronics, FI); Spyros Lalis (University of Thessaly, GR); Tomasz Paczesny (Warsaw University of Technology, PL); Markus Taumberger (VTT Technical Research Centre of Finland, FI); Pekka Savolainen (VTT Technical Research Centre of Finland, FI)

Cross-site management of user online attributes, Jin Liu (Nokia Siemens Networks Beijing, CN)

17:30 – 22:00 NEW2AN/ruSMART get together party (included into NEW2AN and ruSMART registrations).

Boat trip around rivers and canals of St.Petersburg. Bus leaves from the Pulkovskaya Park Inn at 18:00.

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## NEW2AN 2009

WEDNESDAY, SEPTEMBER 16, 2009

9:00 – 9:10 Opening and Welcome address

9:10 – 10:00 Invited Talk

t.b.a., Manfred Schneps-Schneppe (Ventspils University College, Latvia)

10:00 – 10:20 Coffee Break

10:20 – 12:00 Session I: Teletraffic Issues

Analysis and Optimization of Aggregation in a Reconfigurable Optical ADD and DROP Multiplexer, Jean Michel Fourneau (University of Versailles St Quentin, FR); Nora Izri (University of Versailles St Quentin, FR); Dominique Verchere (Alcatel-Lucent Bell Labs, FR)

Teletraffic Capacity Performance of WDM/DS-OCDMA Passive Optical Network, Mohammad Gharaei (TELECOM ParisTech, FR); Catherine Lepers (TELECOM & Management SudParis, FR); Olfa Affes (TELECOM Lille1, FR); Philippe Gallion (TELECOM ParisTech, FR)

Estimation of GoS parameters in Intelligent Network, Irina Buzyukova (Saint-Petersburg State University for telecommunications, RU); Gennady Yanovsky (State University of Telecom, RU); Yuliya Gaidamaka (Peoples' Friendship University of Russia, RU)

Multi-Skill Call Center as a grading from "old" telephony, Manfred Schneps-Schneppe (Ventspils University College, LV)

12:00 – 13:00 Lunch

13:00 – 14:50 Session II: Traffic Measurements, modeling, and control

A Real-Time Algorithm for Skype Traffic Detection and Classification, Davide Adami (CNIT Pisa Research Unit, Dept. of Information Engineering, University of Pisa, IT); Christian Callegari (University of Pisa, IT); Stefano Giordano (University of Pisa, IT); Michele Pagano (University of Pisa, IT); Teresa Pepe (University of Pisa, IT)

HTTP Traffic Measurements on Access Networks. Analysis of results and Simulation., Vladimir Deart (Ph.D., RU); Alexander Pilugin (Moscow Technical University of Communications and Informatics, RU); Vladimir Mankov (MTUCI, RU)

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The Videotrafic Simulation for Model Networks, Alexander Paramonov, Dmitri Tarasov, Andrey Koucheryavy (ZNIIS, RU)

The Poisson Cluster Process Runs as a Model for the Internet Traffic, Jerzy Martyna (Jagiellonian University, PL)

14:50 – 15:10 Coffee Break

15:10 – 16:25 Session III: Peer-to-peer Systems

Proactive Peer-to-Peer Traffic Control when Delivering Large Amounts of Content within a Large-Scale Organization, Chih-Chin Liang (National Formosa University, TW); Chia-Hung Wang (National Chengchi University, TW); Hsing Luh (National Chengchi University, TW); Ping-Yu Hsu (National Central University, TW); Wuyi Yue (Konan University, JP)

ISP-driven Managed P2P Framework for Effective Real-time IPTV Service, Se-il Jeon (Soongsil University, KR); younghan Kim (Soongsil University, KR); Shingak Kang (Electronics and Telecommunication Research Institute, KR)

Fault-Tolerant Architecture for Peer to Peer Network Management Systems, Maryam Barshan (Iran University of Science and Technology, IR); Mahmood Fathy (Iran University of Sci & Tech, IR); Saleh Yousefi (Iran university of science and technology, IR)

16:25 – 18:00 Session IV: Security Issues

Public Key Signatures and Lightweight Security Solutions in a Wireless Environment, Dmitriy Lagutin (Helsinki Institute for Information Technology, FI); Sasu Tarkoma (Helsinki University of Technology, FI)

On the Operational Security Assurance Evaluation of Networked IT Systems, Artur Hecker (TELECOM ParisTech, FR); Michel Riguidel (ENST, FR)

Trust Management using Networks of Volunteers in Ubiquitous Computing Environments, Mijeom Kim (KT (old Korea Telecom), KR); Mohan Kumar (The University of Texas at Arlington, US); Sukju Jung (Central R&D Laboratory, KT, KR)

A Fast and Efficient Handover Authentication Achieving Conditional Privacy in V2I Networks, Jaeduck Choi (Soongsil University, KR); Souhwan Jung (Soongsil University, KR); younghan Kim (Soongsil University, KR); Myungsik Yoo (Soongsil Univ., KR)

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WEDNESDAY, SEPTEMBER 17, 2009

09:00 – 10:15 Session V: Wireless Networks: Ad Hoc and Mesh

Robust and Efficient Routing in Wireless Mesh Networks with Unreliable Node, Apostolia Papapostolou (Telecom Sudparis, FR); Vasilis Friderikos (King's College London, UK); Tara Yahiya (Telecom Sud Paris, FR); Hakima Chaouchi (INT, FR)

Video Compression for Wireless Transmission: Reducing the Power Consumption of the WPAN Hi-speed Systems, Andrey Belogolovy (Intel Corporation, RU); Eugeny Belyaev (Saint-Petersburg State University of Aerospace Instrumentation, RU); Anton Sergeev (Saint-Petersburg State University of Aerospace Instrumentation, RU); Andrey Turlikov (Saint-Petersburg State University of Aerospace Instrumentation, RU)

Link Stability-aware Ad Hoc Routing Protocol with Multiple Sampling Rates, Myungsik Yoo (Soongsil Univ., KR); Jungwon Lee (Soongsil University, KR); younghan Kim (Soongsil University, KR); Souhwan Jung (Soongsil University, KR)

10:15 – 10:30 Coffee Break

10:30 – 12:10 Session VI: Wireless Networks: Capacity and Mobility

A Quality of Service based Mobility Management in Heterogenous Wireless Networks, Tara Yahiya (Telecom Sud Paris, FR); Hakima Chaouchi (INT, FR)

A Novel Cooperative Relaying Scheme for Next Generation Wireless Networks, Hong Zhou (Osaka Institute of Technology, JP)

Frequency Allocation Scheme to Maximze Cell Capacity in a Cellular System with Cooperative Relay, Kyongkuk Cho (Hanyang University, KR); Wooju Lee (Hanyang University, KR); Dongweon Yoon (Hanyang University, KR); Sang Kyu Park (Hanyang University, KR); Yeonsoo Jang (Hanyang University, KR)

Achieving Secondary Capacity under Interference from a Primary Base Station, Shadi Ebrahimi Asl (Iran University of Science & Technology, IR)

12:10 – 12:20 Closing Remarks