

NAEC 2009 Program Schedule

Riva del Garda, October 8-11, 2009

Registration Room
Thursday 03:30-6:30PM Registration Registration Area
Registration

Session: 1 Training and Risk Assessment Room

Thursday 4:30-6:00PM Session Chairman: Michael Bartolacci Loggia 1

Session Organizer: Michael R. Bartolacci

A Virtual World Platform for Information and Network Security Training and Legal Aspects of Its Use

Galen A. Grimes, Penn State University – Greater Allegheny McKeesport USA
Michael R. Bartolacci, Penn State University - Berks Reading USA

Improving User Experience in Multipoint Communications

Svetlana Peltserverger, Southern Polytechnic State University

State University Marietta USA

Michael R. Bartolacci, Penn State University - Berks Reading USA

Boris Peltserverger, Georgia Southwestern State University Americus USA

The Use of Risk Assessment to Protect Digital Assets

Galen A. Grimes, Penn State University – Greater Allegheny McKeesport USA

Margaret L. Signorella, Penn State Greater Allegheny McKeesport USA

Michael R. Bartolacci, Penn State University - Berks Reading USA

Session: 2 Economics and Gaming Room

Friday 8:30-10:00AM Session Chairman: Olivier Lefebvre Loggia 1

From Altruism to Non-Cooperation in Routing Games

Amar Prakash Azad, INRIA France

Eitan Altman, INRIA B.P. 93 Sophia Antipolis France

Rachid El-Azouzi, University of Avignon France

About the Impact of Imperfect Quality of Data on the Investment Decision

Olivier Lefebvre, France Telecom Finance Paris France

StoRm: A novel framework for RESTifying SOAP based Web Services

Sean Kennedy, Athlone IT Ireland

Robert Stewart, Athlone Institute of Technology Athlone Ireland

Paul Jacob, Athlone IT Ireland

Owen Molloy, NUI Galway Ireland

Coffee Morning Break (Friday) Room

Friday 10:00-10:30AM Coffee Break Registration Area

Coffee Break (Friday Morning)

Session: 3 Opening Session Room

Friday 10:30-11:30AM Opening Session Chairman: Michael Bartolacci Loggia 1

Limits on the Growth of the Internet, Computing Capacity and the Brain Processing Ability

Bezalel Gavish, Southern Methodist University Dallas USA

Session: 4 Social and Academic Networks**Room****Friday 11:30-1:00PM Session****Chairman: Laurissa Tokarchuk****Loggia 1****Session Organizer: Laurissa Tokarchuk****Behaviour Detection Using Bluetooth Proximity Data**

Muhammad Awais Azam, Queen Mary University of London UK

Laurissa Tokarchuk, Queen Mary University of London London UK

Analysing Optimal Group Dynamics in Social Network

Karen Shoop, Queen Mary, University of London London UK

Raul J Mondragon, QMUL London UK

Mederic Marie Thibault Recope de Tilly Blaru, Queen Mary University of London UK

One Size Fits all? Evaluating null Models for Academic Networks

Karen Shoop, Queen Mary, University of London London UK

Raul J Mondragon, QMUL London UK

Digging Friendship: Paper Recommendation in Social Network

Ruijie Dong, Queen Mary University of London UK

Laurissa Tokarchuk, Queen Mary University of London London UK

Athen Ma, Queen Mary, University of London London UK

Lunch Friday**Room****Friday 1:00-2:30PM Lunch****Registration
Area****Friday Lunch**

Session: 5 Wired Network Modeling and Analysis**Room****Friday 2:30-4:00PM Session****Chairman: Robert Bestak****Loggia 1****Session Organizer: Robert Bestak****Modeling of the Crosstalk Cancellation for VDSL2**

Petr Jares, Czech Technical university in Prague Prague Czech Republic

Ewa Kozłowska, Czech Technical university in Prague Prague Czech Republic

Jiri Vodrazka, Czech Technical university in Prague Prague

Extended E-model for VoIP Systems Assessment

Ivan Pravda, Czech Technical university in Prague Prague

Zdenek Becvar, Czech Technical university in Prague Prague Czech Republic

Utilization of Selected Data Mining Methods for Communication Network Analysis

Vojtech Ondryhal, University of Defense Czech Republic

Zuzana Vranova, University of Defense Czech Republic

Session: 6 Information Technology in Japan**Room****Friday 4:30-6:00PM Session****Chairman: Kiyoyuki Fukaya****Loggia 1****Session Organizer: Kiyoyuki Fukaya****Management Strategy of Japanese Retail Industry in China and Comparison and for Utilization of Information Technology - The Convenience Store Case**

Qun Xu, Momoyama Gakuin University Japan

Kiyoyuki Fukaya, St. Andrew's University Osaka Japan

A Proposal for new Business Model of Mail Order Systems Using Internet in Taiwan and Japan

Huang Yen Lan,

Kiyoyuki Fukaya, St. Andrew's University Osaka Japan

A Proposal for a new Business Model of Retail Market using Information System Revolution - the Supermarket as an Example

Mu Xin,

Kiyoyuki Fukaya, St. Andrew's University Osaka Japan

How Japanese Enterprises can Innovate Existent IT Style in Order to Compete with Global Competitive Players

Hisato Tajimi, Solution Unit Financial Solutions Business Group Fujitsu, Ltd. Japan

Kiyoyuki Fukaya, St. Andrew's University Osaka Japan

Masaki Kubota, Solution Unit Financial Solutions Business Group Fujitsu, Ltd. Tokyo Japan

Norihsa Komoda, Osaka University Osaka Japan

Kichizo Akashi, St. Andrew's University Osaka Japan

Dinner Friday**Room****Friday 7:30-9:30PM Dinner****Restaurant****Friday Dinner**

Session: 7 Networking**Room****Saturday 8:30-10:00AM Session****Chairman: Eitan Altman****Loggia 1****Session Organizer: Robert Bestak****The Enhancement of Handover Strategy by Mobility Prediction in Broadband Wireless Access**

Ardian Ulvan, Czech Technical university in Prague Prague Czech Republic

Melvi Ulvan, The University of Lampung Indonesia

Robert Bestak, Czech Technical University in Prague 16627 Prague 6 Czech Republic

P2P Networks: The Interplay Between Legislation and Information Technology

Sulan Wong, University of Coruña Coruna Spain

Eitan Altman, INRIA B.P. 93 Sophia Antipolis France

Mouhamad Ibrahim, INRIA-Sophia Antipolis Sophia Antipolis France

Bandwidth Reservation in Overloaded MPLS/DiffServ Networks

Srecko Krile, University of Dubrovnik Croatia

Mladen Kos, University of Zagreb Zagreb Croatia

Dragan Perakovic, University of Zagreb Croatia

Selected Aspects of Negative Chromatic Dispersion Resulting from Fiber Bending

Michal Lucki, Czech Technical University Czech Republic

Coffee Morning Break (Saturday)**Room****Saturday 10:00-10:30AM Coffee Break****Registration Area****Coffee Break (Saturday)**

Session: 8 Complex networks**Room****Saturday 10:30-12:00AM Session****Chairman: Robert Stewart****Loggia 1****Session Organizer: Robert Stewart****Integration and Deployment of Wireless Sensor Networks with a Wireless Mesh Backhaul Network**

MN Hassan, Athlone Institute of Technology Ireland
Robert Stewart, Athlone Institute of Technology Athlone Ireland
John Allen, Athlone Institute of Technology
Eduardo Brito, Athlone Institute of Technology Ireland

Capacity Optimization for VoWiFi on the AIT Campus Wireless Mesh Network Deployment

Eduardo Brito, Athlone Institute of Technology Ireland
Robert Stewart, Athlone Institute of Technology Athlone Ireland
MH Najmuddin, Athlone Institute of Technology Ireland

Performance Monitoring and Evaluation of a Motorola Wireless Mesh Outdoor Campus Network

John Allen, Athlone Institute of Technology
Robert Stewart, Athlone Institute of Technology Athlone Ireland
John A. Schormans, Queen Mary University of London London UK

Assessing Two-Terminal Reliability in Wireless Mesh Networks

Timothy Matis, Texas Tech University USA

Lunch Saturday**Room****Saturday 12:30-2:00PM Lunch****Registration
Area****Saturday Lunch**

Session: 9 Next Generation Wireless Systems**Room****Saturday 2:00-3:30PM Session****Chairman: Albena Mihovska****Loggia 1****Session Organizer: Albena Mihovska, Sherali Zeadally****UWB for Multi-gigabit Communications in EHF-band**

Ernestina Cianca, University of Rome Tor Vergata Rome Italy
Mauro De Sanctis, University of Rome Tor Vergata Rome Italy
Tommaso Rossi, University of Rome Tor Vergata Rome Italy
Cosimo Stallo, University of Rome Tor Vergata Italy
Daniela Valente, University of Rome Tor Vergata Rome Italy
Sandeep Mukherjee, University of Rome Tor Vergata Italy
Marina Ruggieri, University of Roma Tor Vergata Rome Italy

WLAN Planning Tool: a Techno-Economic Perspective

P. Sebastiao, Instituto de Telecomunicações/ISCTE Portugal
R. Tome, Instituto de Telecomunicações/ISCTE Portugal
Fernando Velez, Instituto de Telecomunicações Covilhã Portugal
António Grilo, Computer Networks and Mobility Portugal
F. Cercas, Instituto de Telecomunicações/ISCTE Portugal
D. Robalo, Instituto de Telecomunicações Covilhã Portugal
A. Rodrigues, Instituto de Telecomunicações/IST Portugal
Frederico F. Varela, Instituto de Telecomunicações/ISCTE-IUL Lisboa Portugal
Carlos X. P. Nunes, Instituto de Telecomunicações/ISCTE-IUL Lisboa Portugal

Future Trends in Mobile Communication

Egon Schulz, Research of the Huawei European Research Laboratories Munich Germany

Management of Distributed and Extendible Heterogeneous Radio Architectures

Ram V. Ramkumar, Aalborg University Denmark
Albena Mihovska, Aalborg University Denmark
Neeli R. Prasad, Aalborg University Denmark

Tour and Dinner Saturday Room
Saturday 4:00-9:30PM Tour and Dinner TBA

Saturday Dinner (Location and Logistics to be Announced)

Session: 10 Decision Support Room
Sunday 8:30-10:00AM Session Chairman: Stefan Pickl Loggia 2
Session Organizer: Stefan Pickl

Search for Compromise Solutions in Problems with Contradictory Criteria: PSI Method and MOVI Software system

Roman Statnikov, Monterey USA

Stefan Pickl, Institute of Mathematics and Computer Science Germany

Alex Bordetsky, Naval Postgraduate School USA

Principal of Optimality in Competitive Markets: Game – Theoretic Approach

Ghukas Khachatryan, Yerevan State University Yerevan Armenia

Aram H. Arakelyan, Yerevan State University Yerevan Armenia

Algorithms for Solving Stochastic Discrete Control Problems with Finite Time Horizon-The Time-Expanded Network Method

Stefan Pickl, Institute of Mathematics and Computer Science Germany

Dmitrii Lozovanu, Universität der Bundeswehr, München

Session: 11 Cognitive Networks Room
Sunday 8:30-10:00AM Session Chairman: Albena Mihovska Loggia 1
Session Organizer: Albena Mihovska, Sherali Zeadally

Icebreaker: A User-Profile Based Social Networking Service

Pantelis Karamolegkos, National Technical University of Athens Greece

Ioannis G. Nikolakopoulos, National Technical University of Athens (NTUA) Athens Greece

Charalampos Z. Patrikakis, National Technical University of Athens (NTUA) Athens Greece

Albena Mihovska, Aalborg University Denmark

Self-Organizing Cognitive Network Elements for Next Generation Communication Systems

Kousaridas Apostolos, University of Athens Athens Greece

Nancy Alonisioti, University of Athens Athens Germany

Cognitive Ubiquitous Computing

Feng-Seng Chu, National Taiwan University Taiwan

Kwang Cheng Chen, National Taiwanese University (NTU) Taipei Taiwan

Shin-Ming Cheng, National Taiwan University Taipei Taiwan

Sheng-Yuan Tu, National Taiwan University Taipei Taiwan

Shih-Chun Lin, National Taiwan University Taipei Taiwan

Yu-Yu Lin, National Taiwan University Taipei Taiwan

Po-Yao Huang, National Taiwan University Taipei Taiwan

Ao Weng Chon, National Taiwan University Taipei Taiwan

Chung-Kai Yu, National Taiwan University Taipei Taiwan

Chih-Wei Su, Networks and Multimedia Institute Taipei Taiwan

Coffee Morning Break (Sunday) Room
Sunday 10:00-10:30AM Coffee Break Registration Area

Coffee Break (Sunday)

Session: 12 Internet and Networks**Room****Sunday 10:30-12:00AM Session****Chairman: Ran Giladi****Loggia 1****Analysis of Reed-Solomon Codes and Their Application to Digital Video Broadcasting Systems**

Izabella V. Lokshina, State University of New York - College at Oneonta Oneonta USA

Securing Communication in High Performance Surveillance Systems

Klemens Kraus, Technical University of Vienna Vienna Austria

MiSPOT: Personalized E-Commerce in Digital TV Scenarios with Intermittent or Null Return Channel Availability

Martin Lopez-Nores, University of Vigo

Yolanda Blanco-Fernandez, University of Vigo

Jose J. Pazos-Arias, University of Vigo

Manuela I. Martin-Vicente, University of Vigo

Scalable Hierarchical, Ethernet Transport Network Architecture (HETNA)Ran Giladi, Ben-Gurion University of the Negev Beer-Sheva Israel

Session: 13 Closing Session**Room****Sunday 12:00-12:15 Closing Session****Chairman: Bezalel Gavish****Loggia 1****Closing Session**

Bezalel Gavish, Southern Methodist University Dallas USA