

# NAEC 2008 Program Schedule

## Riva del Garda, September 25-28, 2008

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<b>Registration</b>	<b><u>Room</u></b>
Thursday 03:30-6:30PM Registration	Registration Area
<b>Registration</b>	

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<b>Session: 1 Security and web services</b>	<b><u>Room</u></b>
Thursday 4:30-6:00PM Session	Loggia 1
<b>Chairman: Laurissa Tokarchuk</b>	
<b>Session Organizer:</b>	

### **Defense Against Passive Worms In P2P Networks**

Bo Zhan, University of London London UK

Laurissa Tokarchuk, University of London London UK

Chaosheng Feng,

Zhiguang Qin, University Of Electronic Science and Technology of China Chengdu Sichuan China

### **eCommerce Web Services : REST or WS-\***

Sean Kennedy, Athlone IT Ireland

Owen Molloy, Ireland

### **Anomalous Usage in Web Applications**

Bob Chew, MPI-QMUL Information Systems - Research Centre China

Jinfu Wang, MPI-QMUL Information Systems - Research Centre China

Athen Ma, Queen Mary, University of London London UK

John Bigham, Queen Mary University of London London UK

### **A Hierarchal Approach to Activity Recognition in the Home Environment based on Object Usage**

Usman Naeem, QMUL London UK

John Bigham, Queen Mary University of London London UK

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<b>Session: 2 Networking and Electronic Commerce</b>	<b><u>Room</u></b>
Thursday 4:30-6:00PM Session	Loggia 2
<b>Chairman: Reda Reda</b>	
<b>Session Organizer:</b>	

### **Agents Cooperation for Power-Efficient Information Processing in Wireless Sensor Networks**

Ahmad Sardouk, UTT France

Leila Merghem-Boulahia, UTT Paris France

Dominique Gaiti, Universite de Technologie de Troyes France France

### **Towards a Generic Environment for the Large-Scale Evaluation of Peer-to-Peer Protocols**

Guillaume Doyen, UTT - Universit'e de Technologie de Troyes France

Alain Ploix, UTT France

Marc Lemercier, UTT France

Rida Khatoun, UTT France

### **e-Business: The ICT Market, its Drivers and Future Trends**

Stephan Sutor, KiwiSecurity Austria

Reda Reda, Austria

### **e- Business: Evolution, Emerging Markets Future Trends and Business Opportunities**

Florian Matusek, KiwiSecurity Austria

Reda Reda, Austria

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**Session: 3 Video and Simulation****Room**

Friday 8:30-10:00AM Session

Chairman: Matjaz Gams

Loggia 1

**Efficient Error Resilient Algorithm for H.264/AVC: Mobility Management in Wireless Video Streaming**

Kostas E. Psannis, University of Macedonia Thessaloniki Greece

Yutaka Ishibashi, Nagoya Institute of Technology Nagoya Japan

**SMIz - Secure Multicast IPTV with efficient support for video channel zapping**

Antonio Pinto, Escola superior de Tecnologia Porto Portugal

Manuel Ricardo, INESC Porto - Universidade do Porto Porto Portugal

**Development of an IEEE 802.11s Simulation Model for QualNet**

Ivano Alocci, UCD Ireland

Sean Murphy, University College Dublin Dublin 4 Ireland

Abdelhamid Nafaa, University College Dublin Dublin 4 Ireland

John Murphy, University College Dublin Dublin 4 Ireland

**A MILP Formulation for Routing Lightpaths for Attack Protection in TONs**

Nina Skorin-Kapov, University of Zagreb Zagreb Croatia

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**Session: 4 Economics of Telecommunications****Room**

Friday 8:30-10:00AM Session

Chairman: Olivier Lefebvre

Loggia 2

**From environment to high-tech: can we apply the Coase's theorem to the digital rights question?**

Olivier Lefebvre, France Telecom Finance Paris France

**Knowledge Economics From A Global Public Good Perspective: In Digital Markets**

Filiz Giray, Uludag University BURSA Turkey

**Measuring the Adoption of Mobile Services**

Hannu Verkasalo, Helsinki University of Technology Hut Finland

**Online Dispute Resolution: Lessons from Four Successful Cases**

Faye Fangfei Wang, Bournemouth University Poole UK

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**Coffee Morning Break (Friday)****Room**

Friday 10:00-10:30AM Coffee Break

Registration  
Area

Coffee Break (Friday Morning)

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**Session: 5 Plenary Session 1 (Ofek)****Room**

Friday 10:30-11:30AM Opening Session

Chairman: Bezalel Gavish

Loggia 1

**The Future Internet: Challenges and Solutions**

Yoram Ofek, University of Trento Povo Italy

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**Session: 6 Post-IP Networking****Room****Friday 11:30-1:00PM Session****Chairman: Guy Pujolle****Loggia 1****Session Organizer:****Feasibility of Session-based QoS Management Architecture for WLANs**

Badis Tebbani, LIP6 Paris France

K. Haddadou, LIP6

Guy Pujolle, LIP6 Paris France

**HIP tags, a Privacy Architecture for Networking in the Internet of Things**

Nyamy Dorice Diane, ENST Paris France

Simon Elrharbi, ENST Paris France

Pascal Urien, ENST Paris France

Hervé Chabanne, SAGEM Securite France

Thomas Icart, SAGEM Securite France

Cyrille Pepin, SAGEM Securite France

Mathieu Bouet, LIP6 Paris France

Daniel O. Cunha, LIP6 Paris France

Vincent Guyot, ENST and LIP6 France

Guy Pujolle, LIP6 Paris France

Jean-Ferdinand Susini, CNAM Paris France

**A cooperative agent approach based on a peer-to-peer model for DDoS attacks detection and reaction**

Rida Khatoun, UTT France

Radwane Saad, UTT France

Guillaume Doyen, UTT - Universit'e de Technologie de Troyes France

Ahmed Serhrouchni, Ecole Nationale Superieure des Telecommunications Paris France

Dominique Gaiti, Universite de Technologie de Troyes France France

Leila Merghem-Boulahia, UTT Paris France

**On the Migration Plan for Virtual Router**

Martin Heroux, UQAM Montreal Canada

Omar Cherkaoui, UQAM Canada

Guy Pujolle, LIP6 Paris France

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

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**Session: 7 Plenary Session 2 (Reda)****Room****Friday 2:30-3:30PM Plenary Session****Chairman: Guy Pujolle****Loggia 1****ICT, e-Business, e-Commerce and Online Services, Technological Evolution, Future Trends and Impact to the Global Economy**

Reda Reda, Austria

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**Session: 8 Advances in Wireless Networking****Room**

Friday 4:00-5:30PM Session

Chairman: Sherali Zeadally

Loggia 1

**Session Organizer:****Implementing an Adaptive Sending Rate by exploiting SNR in relation to throughput over Wireless Mesh Networks**

Scott Fowler, Aston University Birmingham UK  
Marc Eberhard, Aston University Birmingham UK  
Keith Blow, Aston University UK  
Ahmed Shaikh, Aston University UK

**Practical Implementation of Cooperative Radio Resource Management**

Albena Mihovska, Aalborg University Denmark  
Elias Tragos, National Technical University of Athens Greece  
Sofoklis Kyriazakos, sk@es.aau.dk Denmark  
P. Anggraeni, Aalborg University Denmark  
P. Vlacheas, National Technical University of Athens Greece  
N. R. Prasad, Aalborg University Denmark

**Providing Trust in Wireless Sensor Networks using a Bio-Inspired Technique**

Felix Gomez Marmol, University of Murcia Spain  
Gregorio Martinez Perez, University of Murcia Spain

**An Outlook on the Impact of Trust Models on Routing in Mobile Adhoc Networks (MANETs)**

Arshad Jhumka, University of Warwick UK  
Nathan Griffiths, University of Warwick UK  
Anthony Dawson, University of Warwick UK  
Richard Myers, University of Warwick UK

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**Session: 9 Complex and heterogeneous networks****Room**

Friday 4:00-5:30PM Session

Chairman: Robert Stewart

Loggia 2

**Session Organizer:****Enhancement of an Enterprise class Wireless Integrated Network**

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

**Simplification of Large Complex Networks via Conservation of Alternative Paths**

Ling Liu, QMUL London UK  
Raul J Mondragon, QMUL London UK

**Growing Networks Designed to Fail Catastrophically**

Zhijia Huang, QMUL London UK  
Matthew Woolf, QMUL London UK  
Raul J Mondragon, QMUL London UK

**Investigating Efficient Triggers for Vertical Handoff**

Lina Men, QMUL London UK  
Eliane L. Bodanese, University of London London E1 4NS UK  
Yue Chen, Queen Mary, University of London London UK  
Oliver M. Shepherd, Queen Mary University of London UK

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**Dinner Friday****Room**

Friday 7:30-9:30PM Dinner

Restaurant

**Friday Dinner**

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**Session: 10 Ubiquitous networks****Room****Saturday 8:30-10:00AM Session****Chairman: Eric Chin****Loggia 1****Session Organizer:****Enablers for Service Catalysts in Future Open Environments**

Raffaele Giaffreda, BT Mobility Research Centre UK  
Fernando Aparicio, BT Mobility Research Centre UK  
Gidon Reid, BT Mobility Research Centre UK  
Xavier Segura, BT Mobility Research Centre UK

**Distributed optimisation of interference**

Jiayuan Chen, British Telecomm Ipswich UK  
Sverrir Olafsson, BT Exact Ipswich UK  
Xuanye Gu, BT Mobility Research Centre UK

**Quality of Experience Methodology for Evaluating VoIP Performance in Large Scale Wireless Networks**

Oliver M. Shepherd, Queen Mary University of London UK  
Jonathan M. Pitts, Queen Mary University of London UK

**The Oligarchs of Complex Networks**

Raul J Mondragon, QMUL London UK

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**Session: 11 Decision Support for Network-Centric Environments****Room****Saturday 8:30-10:00AM Session****Chairman: Alex Bordetsky****Loggia 2****Session Organizer:****Adaptive Emergency Response Networks**

Bryan Hudgens, Naval Postgraduate School USA

**SitaWare Maritime Boarding - Decision Support for Maritime Operations**

Ulrik Hoy-Petersen, Systematic Denmark  
Mikkel Verner Nielsen, Systematic Denmark  
Stewart Mullin, Systematic Denmark

**Monitoring and Controlling an International Experiment: Optimization of Sensor Allocation and Operations in MIO Scenarios**

Razvan Bugheanu, Universität der Bundeswehr München Germany  
Marius Dumitrascu, Universität der Bundeswehr München Germany  
Goran Mihelcic, Universität der Bundeswehr München Germany  
Stefan Pickl, Germany

**Virtual Communities in Command and Control**

J. Carlos Vega, Naval Postgraduate School Monterey USA

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

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**Session: 12 Plenary Session 3 (Bordetsky)****Room****Saturday 10:30-11:30AM Plenary Session****Chairman: Bryan Hudgens****Loggia 1****Exploring Frontiers of Tactical Networking and Collaboration**

Alex Bordetsky, Naval Postgraduate School USA

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**Session: 13 Research Challenges for Spectrum Management****Room****Saturday 11:30-1:00PM Session****Chairman: Sverrir Olafsson****Loggia 1****Session Organizer:****Spectrum Trading**

Sverrir Olafsson, BT Exact Ipswich UK

Eric Chin, BT Mobility Research Centre UK

**Risk Management for Spectrum Trading**

Eric Chin, BT Mobility Research Centre UK

Sverrir Olafsson, BT Exact Ipswich UK

**Opportunistic access to spectrum**

Nasir Memon, Polytechnic University Brooklyn USA

**What is the Cost of a Regional Cellular System?**

Bezalel Gavish, Southern Methodist University Dallas USA

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**Session: 14 Business Strategy****Room****Saturday 11:30-1:00PM Session****Chairman: Kiyoyuki Fukaya****Loggia 2****Seven Eleven Japan's new Business Strategies and Tasks**

Qun Xu, Momoyama Gakuin University Osaka Japan

Kiyoyuki Fukaya, St. Andrew's University Osaka Japan

**Practice Technique of Field Innovation**

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

**Bringing Together Digital Cities and Open Access MANs**

Leonardo de Souza Mendes, University of Campinas Brazil

Ana Inocencio, University of Campinas Brazil

Andre Panhan, University of Campinas Brazil

Marcelo Tilli, University of Campinas Brazil

**The tasks to Expend Personal Authentication Systems Using IC cards**

Kiyoyuki Fukaya, St. Andrew's University Osaka Japan

Norihisa Komoda, Osaka University Osaka Japan

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

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**Tour and Dinner Saturday****Room****Saturday 4:00-9:30PM Tour and Dinner****TBA****Saturday Dinner (Location and Logistics to be Announced)**

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**Session: 15 Business Intelligence****Room**

Sunday 8:30-10:00AM Session

Chairman: Jacob Slonim

Loggia 1

**Session Organizer:****Multicore Computing for Business Intelligence**

Yelena Yesha, University of Maryland USA

Anupan Joshi, University of Maryland Baltimore County Baltimore USA

**Dynamic Path Materialization in Stream Cubes within ITAIPU: Customizing Data Stream Management Systems for the Business Environment**

Azza Abouzied, Yale University USA

Jacob Slonim, Dalhousie University Halifax Canada

Michael McAllister, Dalhousie University Halifax Canada

**Business Intelligent**

Sal Visca, Business Objects, an SAP Company Vancouver Canada

**Open source corporate strategy: Motivating e-collective innovation**Christopher L. Tucci, Lausanne Switzerland

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**Session: 16 Wireless Networks - Applications and Protocols****Room**

Sunday 8:30-10:00AM Session

Chairman: Luis Barbosa

Loggia 2

**Session Organizer:****Towards Trust Establishment in Ubiquitous Computing Environments**

Malamati Louta, University of Western Macedonia Kozani Greece

Angelos Michalas, Technological Educational Institute of Western Macedonia Kastoria Greece

Ioannis Anagnostopoulos, University of Aegean Karlovassi Greece

Dimitrios D. Vergados, University of Piraeus Piraeus Greece

**GUIDE: Guiding Users in Distributed Environments for WLAN and Ad Hoc Networks**

Marco Gonzalez, National Autonomous University of Mexico (UNAM) Mexico

Javier Gomez, National Autonomous University of Mexico (UNAM) Mexico

Miguel Lopez-Guerrero, Metropolitan Autonomous University (UAM) Mexico City Mexico

Jose E. Torres-Fernandez, Metropolitan Autonomous University (UAM-I) Col. Vicentina Mexico

Victor Rangel, National Autonomous University of Mexico (UNAM) Mexico

**RPSF: A New QoS Bandwidth Request Mechanism for the IEEE 802.16**

Jesus Delicado-Martinez, Universidad de Castilla-La Mancha (UCLM) Spain

Francisco M. Delicado, University of Castilla la Mancha Spain

Luis Orozco Barbosa, Universidad de Castilla La Mancha Spain

**Unfairness Uplink/Downlink in IEEE 802.11 WLANs**

Francisco Mico, Universidad de Valencia Spain

Jose Miguel Villalon, Universidad de Castilla-La Mancha Spain

Pedro Cuenca, Universidad de Castilla-La Mancha Spain

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**Coffee Morning Break (Sunday)****Room**

Sunday 10:00-10:30AM Coffee Break

Registration  
Area**Coffee Break (Sunday)**

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**Session: 17 Routing****Room****Sunday 10:30-12:00 Session****Chairman: Emilio Arruda Filho****Loggia 1****Session Organizer:****Least Cost Routing Applied to Telecommunications Systems Integration**

Emilio J. M. Arruda Filho, University of Bergamo Bergamo Italy

Silvia Biffignandi, University of Bergamo Italy

Vittorio Moriggia, University of Bergamo Italy

Alberto Marino, University of Bergamo Bergamo Italy

**Cross Layer Design of Ad-HOC Network Routing with Implementations to OLSR and DSR**

Merlinda Drini, City University of New York New York USA

Tarek Saadawi, The City College of New York USA

**A Computational Efficient Method for Joint Blind Channel and Carrier Offset Estimation for CDMA Systems**

Dimitris V. Vlachos, Brunel University UK

Marios G. Hadjinicolaou, Brunel University UK

Kostas E. Psannis, University of Macedonia Thessaloniki Greece

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**Session: 18 Security and Authentication****Room****Sunday 10:30-12:00 Session****Chairman: Christopher Tucci****Loggia 2****e-Business Security and Trust Aspects**

Klemens Kraus, Kiwi Search Software GmbH Viena Austria

Reda Reda, Austria

**Next Steps Towards Practical Application of Quantum Cryptography**

Thomas Laenger, Austrian Research Centers GmbH - ARC Vienna Austria

Solange Ghernaoui-Helie, HEC-University of Lausanne Switzerland

**Intelligent Access Control System Based on Users Behavior**

Bostjan Kaluza, Josef Stefan Institute Ljubljana Slovenia

Matjaz Gams, Institute Jozef Stefan Ljubljana Slovenia

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**Session: 17 Closing Session****Room****Sunday 12:00-12:15 Closing Session****Chairman: Bezalel Gavish****Loggia 1****Closing Session**

Bezalel Gavish, Southern Methodist University Dallas USA