



**Athens Institute for Education and Research**  
*A World Association of Academics & Researchers*



**7<sup>th</sup> Annual International Conference on Computer Science and Information Systems, 13-16 June 2011, Athens, Greece**

**Organized by the Computer Research Unit**

**Conference Venue: Titania Hotel, 52 Panepistimiou Street, 106 78 Athens, Greece**

**Monday 13 June 2011**

**08:30-09:15 Registration**

**09:15-09:30 Welcome and Opening Remarks**

- Dr. Gregory T. Papanikos, President, ATINER.
- Dr. Panagiotis Petratos, Vice-President of ICT, ATINER & Associate Professor of Computer Information Systems, California State University, Stanislaus, USA.

**09:30-11:00 Session I: Management Information Systems and Information Assurance I**

**Chair:** Petratos, P., Vice-President of ICT, ATINER & Associate Professor of Computer Information Systems, California State University, Stanislaus, USA.

1. Hart, M., Professor, University of Cape Town, South Africa. Information Systems Issues in Contact Centres: Converting Customer Complaints into Compliments.
2. Liu, H., Associate Professor, TamKang University, Taiwan & Choi, B. Associate Professor, Louisiana Tech University, USA. Applying Search Engine Technologies for Internet Marketing.
3. Ross, P., Lecturer, University of Portsmouth, UK & Peart, A., Lecturer, University of Portsmouth, UK. Tracing the Origins of Distributed Denial of Service Attacks.
4. Tafran, C., Ph.D. Student, & Application Developer, Beirut Arab University, Lebanon & Belal, A., Professor, Beirut Arab University, Lebanon. Bounds on the Average Code Length of a Huffman Code with Two and Three Different code Word Lengths.
5. Walker, J., Assistant Professor, University of Arkansas, USA. Watermarking the Cloud.

**11:00 -12:30 Session II: Human Computer Interaction**

**Chair:** Hart, M., Professor, University of Cape Town, South Africa.

1. Foster, E., Assistant Professor, Keene State College, USA. Dynamic Menu Interface Designer.
2. Gnanayutham P., Researcher, University of Portsmouth, UK. Disabled Users Accessing Off-The-Shelf Software Using a Button Interface. (Monday morning)
3. Kokabi, M., Professor, Shaheed Chamran University, Iran. How not to benefit from the Capabilities of a Computer Program to Design its User Interface?
4. Good, A., Researcher, University of Portsmouth, UK, Gnanayutham P., Researcher, University of Portsmouth, UK, Sambhanthan, A., Researcher, University of Portsmouth, UK, Panjganj, V., Researcher, University of Portsmouth, UK & Spettigue, S., Researcher, University of Portsmouth, UK. A Framework for the Requirements of a Second Life Virtual Therapeutic Community for the Support & Treatment of People with Borderline Personality Disorder.

**12:30-14:00 Session III: Computer Modelling and Theory I**

**Chair:** Foster, E., Assistant Professor, Keene State College, USA.

1. Papadopoulos, Y., Reader in Computer Science, University of Hull, UK. Optimisation of Fault Tolerance via Automatic Model Transformations.
2. Garey, L., Retired, University of New Brunswick, Canada & McNaily, J.M., Retired, University of New Brunswick, Canada. Determining the Eigenvalues of Near-Toeplitz, Symmetric and Banded Matrices.
3. De Smedt, F., Ph.D. Student, Lessius Mechelen – Campus De Nayer, Belgium, Van Beeck, K., Ph.D. Student, Lessius Mechelen – Campus De Nayer, Belgium, Goedeme, T., Associate Professor, Lessius Mechelen – Campus De Nayer, Belgium & Tuytelaars, T., Associate Professor, Lessius Mechelen – Campus De Nayer, Belgium. Towards Robust Automatic Detection of Vulnerable Road Users: Monocular Pedestrian Tracking from a Moving Vehicle.
4. Salmi, C., Teacher & Researcher, Boumerdes University, Algeria. A Hybrid Evolutionary Algorithm for Vertical Partitioning a Relational OLTP Database.

**14:00-15:00 Lunch**

**15:00-16:30 Session IV: Health Informatics****Chair:** Papadopoulos, Y., Reader in Computer Science, University of Hull, UK.

1. Viies, V., Associate Professor, Tallinn University of Technology, Estonia, Ennet, P., Data Analyst, Estonian Environment Information Centre, Estonia, Aigro, J., Student, Tallinn University of Technology, Estonia, Kinks, H., Student, Tallinn University of Technology, Estonia, Kullamaa, R., Student, Tallinn University of Technology, Estonia, Ozolit, O., Student, Tallinn University of Technology, Estonia & Salula, A., Student, Tallinn University of Technology, Estonia. Estonian Surface Water IS.
2. Griffiths, S., Head of Postgraduate Studies, Swansea Metropolitan University, UK & Jones, K., Head of the Centre for UG Studies, Swansea Metropolitan University, UK. Internet Ethics: Pharmaceutical Cross Border Trade.

**21:00-23:00 Greek Night and Dinner (Details during registration)****Tuesday 14 June 2011****08:30-10:00 Session V: Computer Modelling and Theory II****Chair:** Kagaris, D., Professor, Southern Illinois University, USA.

1. Kurka, P., Professor, Center for Theoretical Study, Czech Republic. Algebraic Algorithms for Mobius Number Systems.
2. Esmaeili, M., Ph.D. Student, IAU Kashan Branch, Iran & Gabor, F., Associate Professor, University of Debrecen, Hungary. Using Decision Tree as a Feature Selector for Other Methods.
3. Furdik, K., Researcher, InterSoft, a.s., Slovakia, Mach, M., Associate Professor, Technical University of Kosice, Slovakia & Butka, P., Lecturer & Researcher, Technical University of Kosice, Slovakia. Data Structures for Collaborative Policy Modeling.

**10:00 -11:30 Session VI: IT Education and Networks****Chair:** Kurka, P., Professor, Center for Theoretical Study, Czech Republic.

1. Kagaris, D., Professor, Southern Illinois University, USA. Deployment of Wireless Sensor Networks with Fixed Monitoring.
2. Peart, A., Lecturer, University of Portsmouth, UK. A QoS Real Time Bandwidth Redistribution Transmission Algorithm in WiMAX.
3. Zlatareva, N., Professor, Central Connecticut State University, USA. Inconsistency Detection in Semantic Web Ontologies with Rules.
4. Abousharkh, M., Ph.D. Student, University of Ottawa, Canada & Monftah, H., Professor, University of Ottawa, Canada. QoS-enabled SOA-based middleware for WBAN.

**11:30-13:00 Session VII: Management Information Systems and Information Assurance II****Chair:** Tafran, C., Ph.D. Student, & Application Developer, Beirut Arab University, Lebanon.

1. Wagenaar, P., Lecturer, Vrije Universiteit Amsterdam, the Netherlands & Kees, B., Vrije Universiteit Amsterdam, the Netherlands. Zooming in on the Panopticon: Privacy, Security and Digital Cameras at Schiphol Airport.
2. Rawas, S., Master Student, Beirut Arab University, Lebanon & Bilal, A., Chairman, Beirut Arab University, Lebanon. Limiting the Number of Route Changes in Data Networks.
3. Sireteanu, N.A., Lecturer, "Alexandru Ioan Cuza" University, Romania. A Survey of Rich Internet Applications Solutions.

**13:00-14:00 Lunch****16:30-19:30 Urban Walk (Details during registration)****20:00- 21:00 Dinner (Details during registration)****Wednesday 15 June 2011**

Cruise: Departure at 06:25 Return at 20:30 (Details during registration)

**Thursday 16 June 2011**

Delphi Visit: Departure at 07:25 Return at 19:30 (Details during registration)