CONFERENCE PROGRAM

SUNDAY, NOVEMBER 18, 2007 (Joharah Ballroom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00 - 10:00</td>
<td>Registration</td>
</tr>
<tr>
<td>10:00 - 10:30</td>
<td>Opening ceremony</td>
</tr>
<tr>
<td>10:30 - 10:50</td>
<td>Keynotes:</td>
</tr>
<tr>
<td></td>
<td>Keynote 1: Dr. Atta-Ur-Rahman, Federal Minister, Higher Education Commission, Pakistan</td>
</tr>
<tr>
<td></td>
<td>Keynote 2: Mr. Rama Raju, Co-founder/CEO, Satyam, India</td>
</tr>
<tr>
<td></td>
<td>Keynote 3: Dr. Thomas Andersson, President, Jönköping University, Sweden</td>
</tr>
<tr>
<td>11:30 - 11:45</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>11:45 - 12:40</td>
<td>Humanoid Robotics Session: Is it human or is it a robot</td>
</tr>
<tr>
<td></td>
<td>Dr. Nikolaos Mavridis, Interactive Robots and Media Lab, Director, UAE University, UAE</td>
</tr>
<tr>
<td></td>
<td>Dr. David Hanson, Founder/Chief Scientist, Hanson Robotics, USA</td>
</tr>
<tr>
<td></td>
<td>Dr. Hiroshi Ishiguro, Intelligent Robotics Lab., Director, Osaka University, Japan</td>
</tr>
<tr>
<td></td>
<td>Dr. Jun Ho Oh, Director, Humanoids Laboratory, Korean Institute of Technology, Korea</td>
</tr>
<tr>
<td>12:40 - 14:00</td>
<td>Lunch (sponsored by Innovations’07)</td>
</tr>
<tr>
<td>11:30 - 15:30</td>
<td>Johara 1   Student Posters Session</td>
</tr>
</tbody>
</table>
**SUNDAY, NOVEMBER 18, 2007**

14:00 - 15:40  
**Joharah: VIP Session**  

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Organization and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Mike Carr</td>
<td>Director Research &amp; Venturing British Telecom, UK</td>
</tr>
<tr>
<td>Mr. Michael D. King</td>
<td>Director, Global Education Industry, IBM Corporation, USA</td>
</tr>
<tr>
<td>Mr. Aseem Gupta</td>
<td>CEO, Visionaire, UAE</td>
</tr>
<tr>
<td>Dr. Tarek Al Abbady</td>
<td>Director, Microsoft Research &amp; Innovation Centre, Cairo, Egypt</td>
</tr>
<tr>
<td>Mr. Thiru P. Reddy</td>
<td>Vice President Business Development, Strand Lift Sciences, India</td>
</tr>
<tr>
<td>Dr. Sai Subramaniam</td>
<td>Sr. Vice President Solutions, Strand Lift Sciences, India</td>
</tr>
</tbody>
</table>

**Session 1B: Data Mining**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Details</th>
</tr>
</thead>
</table>
| Dynamic index selection in data warehouses | Stéphane Azefack, University of Lyon, France  
Kamel Aouiche, University of Quebec at Montreal, Canada  
Jérôme Darmont, University of Lyon, France |
| Designing a Well-Structured E-Shop Using Association Rule Mining | Asem Omari, University Düsseldorf, Germany  
Stefan Conrad, University Düsseldorf, Germany  
Sadet Alcic, University Düsseldorf, Germany |
| The Development of an Objective Metric for the Accessibility Dimension of Data Quality | Owen Foley, Dublin City University, Ireland  
Markus Helfert, Dublin City University, Ireland |
| Web Page Analysis: Experiments Based on Web Patterns | Karel Klos, VSB - TU Ostrava, Czech Republic  
Jana Kocibova, VSB - TU Ostrava, Czech Republic  
Ondrej Lehecka, VSB - TU Ostrava, Czech Republic  
Milos Kudelka, VSB - TU Ostrava, Czech Republic  
Vaclav Snasel, VSB-TU of Ostrava, Czech Republic  
Hana Rezankova, University of Economics, Czech Republic |
| An efficient decision tree construction for large datasets | Nguyen Thi Van Uyen, Kyung Hee University, Korea  
Tae Choong Chung, Kyung Hee University, Korea |

**Session 1C: Business and Process Management**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Details</th>
</tr>
</thead>
</table>
| Collaboration as a Reusable Component in Business Process Management | John Shepherdson, British Telecommunications Plc., UK  
Nader Azarmi, British Telecommunications Plc., UK  
Habin Lee, Brunel University, UK  
Hyung Jun Ahn, Waikato University, Japan |
| An Advanced Planning and Scheduling Platform for Service Enterprise | Raphael Dorne, British Telecom, UK  
Chris Voudouris, British Telecom, UK  
Gilbert Owusu, British Telecom, UK |
| Metrics for Evaluating Enterprise Systems’ Architecture | Khalid Khawaja, American University in Dubai, UAE |
| Defining the Input Specifications for the Partitioning of Automobiles E/E Systems within a Model-Driven Development Scheme | Augustin Kebemou, Fraunhofer Institute for Software and Systems Engineering, Germany  
Ina Schieferdecker, Fraunhofer Institute for Open Communications Systems, Germany |
| A Formal Model for e-Healthcare Readiness Assessment in a Developing Country Context | Ojo S.O, University of Botswana  
Olugbara O.O., University of Zululand, South Africa  
George Ditsa, UAE University, UAE  
Adigun M. O., Xulu S.S., University of Zululand, South Africa |
### Session 1D: Wireless Communications I

<table>
<thead>
<tr>
<th>Topic</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robustness Assessment of Intelligent Information Fusion Techniques in Navigation Systems Encountering Satellite Outage</td>
<td>Ali Asadian, University of Tehran, Iran</td>
</tr>
<tr>
<td></td>
<td>Behzad Moshiri, University of Tehran, Iran</td>
</tr>
<tr>
<td></td>
<td>Javad Rezaie, University of Tehran, Iran</td>
</tr>
<tr>
<td>Spectrum Allocation Algorithms for Uplink Subcarriers in OFDMA-Based Cognitive Radio Networks</td>
<td>Tae-Hwan Kim, Sungkyunkwan University, Korea</td>
</tr>
<tr>
<td></td>
<td>Tae-Jin Lee, Sungkyunkwan University, Korea</td>
</tr>
<tr>
<td>Simulation of adaptive antenna for interference reduction</td>
<td>Rajab Legnain, University of Garyounis, Libya</td>
</tr>
<tr>
<td></td>
<td>Abdelsalam Ambarek, University of Garyounis, Libya</td>
</tr>
<tr>
<td>Channel Allocation to Reduce Co-channel Interference in Multi-cell Cognitive Radio Networks</td>
<td>Seung Su Han, Sungkyunkwan University, Korea</td>
</tr>
<tr>
<td></td>
<td>Tae-Jin Lee, Sungkyunkwan University, Korea</td>
</tr>
<tr>
<td>Resource Allocation and Game Theoretic Scheduling in IEEE 802.16 Fixed Broadband Wireless Access Systems</td>
<td>Jayapravathy.R, Coimbatore Institute of Technology, India S.Geetha, Coimbatore Institute of Technology, India</td>
</tr>
</tbody>
</table>

15:40 - 16:00 Coffee Break

### Session 2A: Multimedia Communications

<table>
<thead>
<tr>
<th>Topic</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Taxonomy Procedure of Streaming Output of a Digital Video Broadcast via Satellite Receiver</td>
<td>I Made Murwantara, Universitas Pelita Harapan, Indonesia</td>
</tr>
<tr>
<td></td>
<td>Arnold Aribowo, Universitas Pelita Harapan, Indonesia</td>
</tr>
<tr>
<td></td>
<td>Pujianto Yugopuspito, Universitas Pelita Harapan, Indonesia</td>
</tr>
<tr>
<td>Multi-path Scheduling Algorithm for Real-Time Video Applications in Next-Generation Wireless Networks</td>
<td>Fernandez Juan Carlos, University of Tohoku, Japan</td>
</tr>
<tr>
<td></td>
<td>Tarik Taleb, University of Tohoku, Japan</td>
</tr>
<tr>
<td></td>
<td>Yushiaki Nemoto, University of Tohoku, Japan</td>
</tr>
<tr>
<td></td>
<td>Nei Kato, University of Tohoku, Japan</td>
</tr>
<tr>
<td>Multimedia Processing in Wireless Sensor Networks</td>
<td>Hakan Oztarak, Middle East Technical University, Turkey</td>
</tr>
<tr>
<td></td>
<td>Adnan Yazici, Middle East Technical University, Turkey</td>
</tr>
<tr>
<td></td>
<td>Demet Aksoy, University of California Davis, USA</td>
</tr>
<tr>
<td></td>
<td>Roy George, Clark Atlanta University, USA</td>
</tr>
<tr>
<td>Mobile Multiprotocol Label Switching</td>
<td>Sadia Ashraf, NUST, Pakistan</td>
</tr>
<tr>
<td></td>
<td>Shoab A. Khan, NUST, Pakistan</td>
</tr>
<tr>
<td></td>
<td>Naveed S. Khatkatt, NUST, Pakistan</td>
</tr>
<tr>
<td></td>
<td>Abdur Rehman, NUST, Pakistan</td>
</tr>
</tbody>
</table>

### Session 2B: Computer & Network Security I

<table>
<thead>
<tr>
<th>Topic</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access Control in e-Health Portal Systems</td>
<td>Shuo Lu, Concordia University, Canada</td>
</tr>
<tr>
<td></td>
<td>Yuan Hong, Concordia University, Canada</td>
</tr>
<tr>
<td></td>
<td>Qian Liu, Concordia University, Canada</td>
</tr>
<tr>
<td></td>
<td>Lingyu Wang, Concordia University, Canada</td>
</tr>
<tr>
<td></td>
<td>Rachida Dssouli, Concordia University, Canada</td>
</tr>
<tr>
<td>Towards a better applicability of public key certificates</td>
<td>Safuaut Hamdy, UAE University, UAE</td>
</tr>
<tr>
<td>Securing the Wireless LANs that is based on Distributed Resource Management against internal attacks</td>
<td>Ghassan Kbar, American University of Dubai, UAE</td>
</tr>
<tr>
<td></td>
<td>Wathiq Mansoor, American University of Dubai, UAE</td>
</tr>
<tr>
<td>Session 2C:</td>
<td>Ad Hoc and Sensor Networks I</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------------------------</td>
</tr>
</tbody>
</table>
| Improving Directional Rumor Routing in Wireless Sensor Networks | Hamid Shokrzadeh, Islamic Azad University, Iran  
M. Mashaiekh, Research Institute of Petroleum Industry, Iran  
A. Nayebi, Research Institute of Petroleum Industry, Iran |
| On The Performance Of Directed Diffusion In Dense Sensor Networks | Lyes Khelladi, CERIST Center of Research  
Nadib Badache, USTHB University, LSI Lab |
| Power Saving Deviation and Sudden Demise Effect of Cluster Head (CH) in the WEAC Protocol | Hafiz M. Asif, COMSATS Institute of Information Technology, Pakistan  
Tarek R. Sheltami, King Fahd University of Petroleum & Minerals, Saudi Arabia |
| Functional Testing of Wireless Sensor Node Designs | Kashif Munir Virk, Technical University of Denmark, Denmark  
Jan Madsen, Technical University of Denmark, Denmark |
| Simulation of Mobile Ad hoc Routing Strategies | Ahmed Boukhalkhal, University of Laghouat, Algeria  
M. B. Yagoubi, University of Laghouat, Algeria  
M. Djoudi, University of Constantine, Algeria  
Ouinten Youcef, University of Laghouat, Algeria  
Mohamed Benmohammed, University of Constantine, Algeria |

<table>
<thead>
<tr>
<th>Session 2D:</th>
<th>E-Learning &amp; E-Society</th>
</tr>
</thead>
</table>
| The Implementation of a Web-based 3D Multimedia Learning Prototype in Biology subject: BioID | Amirrudin Kamsin, University of Malaya, Malaysia  
Cha Gek Teng, University of Malaya, Malaysia  
Tay Lee Kee, University of Malaya, Malaysia |
| KEA - a Mathematical Knowledge Management System combining Web 2.0 with Semantic Web Technologies | Sabina Jeschke, University of Stuttgart, Germany  
Marc Wilke, University of Stuttgart, Germany  
Nicole Natho, TU Berlin, Germany  
Olivier Pfeiffer, TU Berlin, Germany |
| Operating System Virtualization to Support E-learning with Affective Intelligent Tutoring Systems | Chris Messom, Massey University, New Zealand  
Abdolhossein Sarrafzadeh, Massey University, New Zealand  
Anton Gerdelan, Massey University, New Zealand  
Martin Johnson, Massey University, New Zealand  
Jamshid Shanbehzadeh, Tarbiat Moalem University, Iran |
| Building Intelligent Web-based System for Efficient Tracking Learner's Communication Activities on Discussion Forums | Madeth May, National Institute of Applied Sciences of Lyon, France  
Sébastien George, National Institute of Applied Sciences of Lyon, France  
Patrick Prévôt, National Institute of Applied Sciences of Lyon, France |
**Gala Dinner**
Keynote Speakers:
(1) Dr. John Bowers, CTO Calient Networks, California, USA;
(2) Mr. Roberto Saracco, IEEE USA and Telecom Italia;
Cisco Research Excellence Award;
Best Student Poster Award
Distinguished Scholar Award;

---

**MONDAY, NOVEMBER 19, 2007**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 3A: Computer &amp; Network Security II</th>
</tr>
</thead>
</table>
| **09:00 - 10:40** | **Implementation of the automated network vulnerability assessment** | Jun Yoon, Korea Information Security Agency, Korea
|                 | Won Tae Sim, Korea Information Security Agency, Korea |
|                 | **Bottleneck Analysis of Traffic Monitoring using Wireshark** | Abes Dabir, Carleton University, Canada
|                 | Ashraf Matrawy, Carleton University, Canada |
|                 | **XML based open tool for anomalies detection in firewall filtering rules** | Mohammed Anis Benelbahri, High School of Telecommunication, Tunisia
|                 | Adel Bouhoula, College of Telecommunications, Tunisia
|                 | Zouheir Trabelsi, UAE University, UAE |
|                 | **Enabling Access Control and Privacy through Ontology** | Mohammad M. R. Chowdhury, UniK-University Graduate Center, Kjeller, Norway
|                 | Josef Noll, UniK-University Graduate Center, Kjeller, Norway |
|                 | Juan Miguel Gomez, Universidad Carlos III de Madrid, Spain |

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 3B: Fuzzy Computing &amp; Neural Networks</th>
</tr>
</thead>
</table>
| **09:00 - 10:40** | **Using a Combination of Model Based and Intelligent methods in Automatic Landmark Detection in Cephalometry** | Rahele Kafieh, Isfahan University of Medicine, Iran
|                 | Saeed Sadri, Isfahan University of Technology, Iran |
|                 | Alireza Mehr, Isfahan University of Medicine, Iran |
|                 | Hamid Rajo, Isfahan University of Medicine, Iran |
|                 | **Comparing Two Models for Word Boundary Detection in a Phoneme Sequence Using Recurrent Fuzzy Neural Networks** | Mohammad Reza Feizi Derakhshi, University of Science and Technology, Iran
|                 | Mohammad Reza Kangavari, University of Science and Technology, Iran |
|                 | Elnaz Zafarani Moattar, Islamic Azad University |
|                 | Mahdi Aliyari Shorehdeli, K. N. Toosi University of Technology, Iran |
|                 | **The Kalman Filter Information Fusion for Cement Mill Control Based on Local Linear Neuro-Fuzzy Model** | Amin Ramezani, University of Tehran, Iran |
|                 | Hamed Ramezani, University of Tehran, Iran |
|                 | Behzad Moshiri, University of Tehran, Iran |
|                 | **Handwritten Character Recognition using Perceptual Fuzzy-Zoning and Class Modular Neural Networks** | Lajish V L, Tata Consultancy Services, India |
### Session 3C: Web Applications I

<table>
<thead>
<tr>
<th>Topic</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reverse Engineering of Web Based Systems</td>
<td>Abdelwahab Hamou-Lhadj, Concordia University, Canada</td>
</tr>
<tr>
<td></td>
<td>Abdeslam En-Nouaary, Concordia University, Canada</td>
</tr>
<tr>
<td></td>
<td>Khalid Sultan, Concordia University, Canada</td>
</tr>
<tr>
<td>Capturing Forms in Web Information Systems</td>
<td>Hui Ma, Massey University, New Zealand</td>
</tr>
<tr>
<td></td>
<td>Rene Noack, University of Kiel, Germany</td>
</tr>
<tr>
<td></td>
<td>Faizal Riaz-ud-Din, Massey University, New Zealand</td>
</tr>
<tr>
<td></td>
<td>Klaus-Dieter Schewe, Massey University, New Zealand</td>
</tr>
<tr>
<td></td>
<td>Bernhard Thalheim, University of Kiel, Germany</td>
</tr>
<tr>
<td>A Keyword Searching Algorithm For Search Engines</td>
<td>Vishal Gupta, Institute of Management Studies, India</td>
</tr>
<tr>
<td>CoolRank: A Social Solution for Ranking Bookmarked Web Resources</td>
<td>Hend Al-Khalifa, King Saud University, Saudi Arabia</td>
</tr>
<tr>
<td>Evolution of Interdependency model based on behavioral analysis of</td>
<td>Shruti Kohli, Birla Institute of Technology, India</td>
</tr>
<tr>
<td>User, Search Engine and Advertiser in Online Advertising</td>
<td>Ela Kumar, YMCA Institute of Engineering, Faridabad, India</td>
</tr>
</tbody>
</table>

### Session 3D: Pervasive Computing I

<table>
<thead>
<tr>
<th>Topic</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Line Communications: An Overview of Applications, Technology</td>
<td>Muhammad Salman Yousuf, King Fahd University of Petroleum and Minerals, Saudi Arabia</td>
</tr>
<tr>
<td>and the HomePlug Standards</td>
<td>Mustafa El-Shafei, King Fahd University of Petroleum and Minerals, Saudi Arabia</td>
</tr>
<tr>
<td>Innovative technologies for the creative industries: Advanced</td>
<td>Abdolhossein Sarrafzadeh, Massey University, New Zealand</td>
</tr>
<tr>
<td>human-machine interfaces for dynamic performance effects</td>
<td>Jamshid Shanbehzadeh, Tarbiat Moalem University, Iran</td>
</tr>
<tr>
<td></td>
<td>Chris Messom, Massey University, New Zealand</td>
</tr>
<tr>
<td></td>
<td>Martin Johnson, Massey University, New Zealand</td>
</tr>
<tr>
<td>A Hybrid Framework to Program Smart Environments</td>
<td>Aiman Erbad, University of British Columbia, Canada</td>
</tr>
<tr>
<td></td>
<td>Charles Krasic, University of British Columbia, Canada</td>
</tr>
<tr>
<td>The Flexible Service Composition Framework for Networked Appliances</td>
<td>Chatchawin Namnan, King Mongkut’s Institute of Technology North Bangkok, Thailand</td>
</tr>
<tr>
<td></td>
<td>Anirach Mingkhwan, King Mongkut’s Institute of Technology North Bangkok, Thailand</td>
</tr>
<tr>
<td></td>
<td>Omar Abuelma’atti, Liverpool John Moores University, UK</td>
</tr>
<tr>
<td></td>
<td>Madjid Merabti, Liverpool John Moores University, UK</td>
</tr>
<tr>
<td>Knowledge Cities: The Future of Cities in the Knowledge-based</td>
<td>Kostas Ergazakis, National Technical University of Athens, Greece</td>
</tr>
<tr>
<td>Economy</td>
<td>Kostas Metaxiotis, Greek Ministry of Economy and Finance, Greece</td>
</tr>
<tr>
<td></td>
<td>Emmanouil Ergazakis, National Technical University of Athens, Greece</td>
</tr>
<tr>
<td></td>
<td>John Psarras, National Technical University of Athens, Greece</td>
</tr>
</tbody>
</table>

### Morjaan I: Tutorial 1.a

<table>
<thead>
<tr>
<th>Topic</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFID Technology: A methodology of evaluating its impact through</td>
<td>Samuel Fosso Wamba, Polytechnic School of Montreal, Canada</td>
</tr>
<tr>
<td>modeling and simulation</td>
<td></td>
</tr>
</tbody>
</table>
Morjaan 2: Tutorial 2.a


Iboun Taimiya Sylla, Texas Instruments Inc, USA

10:40 - 11:00 Coffee Break

11:00 - 12:40 (MONDAY, NOVEMBER 19, 2007)

Session 4A: Genetic Algorithms

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Similarity of XML Schema Fragments Based on XML Data Statistics</td>
<td>Irena Mlynkova, Charles University, Czech Republic</td>
</tr>
<tr>
<td></td>
<td>Jaroslav Pokorny, Charles University, Czech Republic</td>
</tr>
<tr>
<td>Job Scheduling in Multi Processor Architecture Using Genetic Algorithm</td>
<td>Elnaz Zafarani Moattar, Islamic Azad University, Iran</td>
</tr>
<tr>
<td></td>
<td>Amir M. Rahmani, Islamic Azad University, Iran</td>
</tr>
<tr>
<td></td>
<td>Mohammad Reza Feizi Derakhshi, University of Science and Technology, Iran</td>
</tr>
<tr>
<td>An Evolutionary Approach for Partitioning Weighted Module Dependency Graphs</td>
<td>Ali Asghar Pourhaji Kazem, University of Tabriz, Iran</td>
</tr>
<tr>
<td></td>
<td>Shahriar Lotfi, University of Tabriz, Iran</td>
</tr>
<tr>
<td>An Evolutionary Data Mining Model for Fuzzy Concept Extraction</td>
<td>Mohammad Amin Riji, University of Mashhad, Iran</td>
</tr>
<tr>
<td></td>
<td>Milani Fard, Ferdowsi, University of Mashhad, Iran</td>
</tr>
<tr>
<td></td>
<td>Mohammad R. Akbarzadeh, University of Mashhad, Iran</td>
</tr>
<tr>
<td>HGGASA: An Annealing Grouping Genetic Algorithm for Finding Feasible Timetables</td>
<td>Amir Najafi-Ardabili, University of Ferdowsi, Iran</td>
</tr>
<tr>
<td></td>
<td>Danial Qarouni-Fard, University of Ferdowsi, Iran</td>
</tr>
<tr>
<td></td>
<td>Mohammad-Reza Andalibizadeh, Shahid Beheshti University, Iran</td>
</tr>
<tr>
<td></td>
<td>Ooldooz Ghorbani, Ferdowsi University, Iran</td>
</tr>
<tr>
<td></td>
<td>Mohammad Sadegh Sheikhaei, Amir Kabir University of Technology, Iran</td>
</tr>
<tr>
<td></td>
<td>Javad Mohammadzadeh, University of Tehran, Iran</td>
</tr>
</tbody>
</table>

Session 4B: Wireless Communications II

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designing High Available Satellite Ground Stations</td>
<td>Kayvan Farzaneh, ITRC, Iran</td>
</tr>
<tr>
<td></td>
<td>Leila Mohammady, ITRC, Iran</td>
</tr>
<tr>
<td></td>
<td>Azam Eidi, ITRC, Iran</td>
</tr>
<tr>
<td>The Performance of a Diversity-based MC-CDMA in the Presence of Frequency Offset and Inter-Carrier Interferences</td>
<td>Mohamed E. Khedr, Arab Academy for Science and Technology, Egypt</td>
</tr>
<tr>
<td></td>
<td>Mohamed M. Ramadan, Arab Academy for Science and Technology, Egypt</td>
</tr>
<tr>
<td>Efficient Utilization of Orthogonal Variable Spreading Factor Trees Using Two levels Of Hierarchies and Adaptive Rate Control Mechanism</td>
<td>Mohamed E. Khedr, Arab Academy for Science and Technology, Egypt</td>
</tr>
<tr>
<td></td>
<td>Rosshdy A. AbdelRasoul, Arab Academy for Science and Technology, Egypt</td>
</tr>
<tr>
<td></td>
<td>Mahmoud M. Youssef, Nilesat, Cairo, Egypt</td>
</tr>
<tr>
<td>CHASS-M: Channel Assignment for Fair Payoff Based on Game Theory for Wireless Multi-hop Networks</td>
<td>Hyun-Ki Kim, Sungkyunkwan University, Korea</td>
</tr>
<tr>
<td></td>
<td>Tae-Jin Lee, Sungkyunkwan University, Korea</td>
</tr>
</tbody>
</table>
### Session 4C: Computing Systems

<table>
<thead>
<tr>
<th>Topic</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reconfigurable and Area-Efficient Architecture for Symmetric FIR Filters with Powers-of-Two Coefficients</td>
<td>Dongwon Lee, Samsung Electronics, Korea</td>
</tr>
<tr>
<td>Performance Effect of Localized Thread Schedules in Heterogeneous Multi-Core Processors</td>
<td>Fadi Sibai, UAE University, UAE</td>
</tr>
<tr>
<td>On Making Intelligence Performance-Inconspicuous in 3D Games</td>
<td>Fadi Sibai, UAE University, UAE</td>
</tr>
<tr>
<td>Using Text-to-Speech Engine to Improve the Accuracy of a Speech-Enabled Interface</td>
<td>Yacine Benahmed, University of Moncton, Canada, Sid-Ahmed Selouani, University of Moncton, Canada, Habib Hamam, University of Moncton, Canada, Douglas O’Shaughnessy, INRS-EMT Telecommunication, Canada</td>
</tr>
<tr>
<td>The Implementation of a Persistent Type-Safe Object-Oriented Programming Language</td>
<td>Omar M. Sallabi</td>
</tr>
</tbody>
</table>

### Session 4D: Special Session: IT Applications in Electric Power Systems I

<table>
<thead>
<tr>
<th>Topic</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Systems Monitoring &amp; Control Centers Sharing SCADA/EMS Information in the Age of Enterprise Mobility.</td>
<td>Alaa Maghiub, TRANSCO, Najeeb Dandachi, TRANSCO</td>
</tr>
<tr>
<td>High Voltage Circuit Breaker Modeling for Online Model-Based Monitoring and Diagnosis.</td>
<td>H. H. Zeineldin, University of Waterloo, Canada, E. F. El-Saadany, University of Waterloo, Canada, M. M. A. Salama, University of Waterloo, Canada, Z. Wang, ABB Corporate Research, Canada, Yasser Mohamed, University of Waterloo, Canada</td>
</tr>
<tr>
<td>Virtual SCADA Simulation System for Power Substation</td>
<td>Khalid Darwish, American University of Sharjah, UAE, A. R. Al-Ali, American University of Sharjah, UAE, Rached Dhaooudi, American University of Sharjah, UAE</td>
</tr>
<tr>
<td>An Intelligent-Based Technique for Locating Switched Capacitors in the Distribution Systems Using High Frequency</td>
<td>Ahmed Abu-Elanien, University of Waterloo, Canada, M. M. A. Salama, University of Waterloo, Canada</td>
</tr>
<tr>
<td>PC-Based SCADA Simulator for Distribution System Analysis</td>
<td>Mohamed Awad, UAE, Awad I. Ibrahim, UAE</td>
</tr>
</tbody>
</table>

### Morjaan 1: Tutorial 1.b

<table>
<thead>
<tr>
<th>Topic</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFID Technology: A methodology of evaluating its impact through modeling and simulation</td>
<td>Samuel Fosso Wamba, Polytechnic School of Montreal, Canada</td>
</tr>
</tbody>
</table>

### Morjaan 2: Tutorial 2.b

<table>
<thead>
<tr>
<th>Topic</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developing wireless products in the industrial, Scientific &amp; Medical (ISM) Band, The Next Big Thing: The case of Zigbee Standard.</td>
<td>Iboun Taimiya Sylla, Texas Instruments Inc, USA</td>
</tr>
</tbody>
</table>

12:40 - 14:00: Lunch Break
<table>
<thead>
<tr>
<th><strong>Session 5A:</strong> Embedded &amp; Real-Time Systems</th>
</tr>
</thead>
</table>
| Live Range Splitting at Recursive Function Calls | Stefan Schaeckeler, Santa Clara University, USA  
Weijia Shang, Santa Clara University, USA |
| Evaluation of I-Cache Locking Technique for Real-Time Embedded Systems | Abu Asaduzzaman, Florida Atlantic University, USA  
Niranjan Limbachiya, Florida Atlantic University, USA  
Imad Mahgoub, Florida Atlantic University, USA  
Fadi Sibai, UAE University, UAE |
| Minimizing Response Time Implication in DVS Scheduling for Low Power Real-Time Embedded Systems | Nasaro Min-Allah, Chinese Academy of Sciences, China  
Asad-Raza Kazmi, Chinese Academy of Sciences, China  
Ishtiaq Ali, COMSATS University, Pakistan  
Xing Jian-Sheng, Graduate School, CAS, China  
Wang Yong-Ji, Chinese Academy of Sciences, China |
| EVO-EXPLORER: A Tool for Designing High-Performance Digital Systems | Azeddien Sllame, Al Fateh University, Libya |
| Online Feasibility Analysis with Composite-Deadline | Nasaro Min-Allah, Chinese Academy of Sciences, China  
Imran Ali, Chinese Academy of Sciences, China  
Xing Jian-Sheng, Chinese Academy of Sciences, China  
Wang Yong-Ji, Chinese Academy of Sciences, China |

<table>
<thead>
<tr>
<th><strong>Session 5B:</strong> Ad Hoc and Sensor Networks II</th>
</tr>
</thead>
</table>
| Admission Control Scheme and Bandwidth Management Protocol for 802.11 Ad hoc Networks | Abdelouahid Derhab, CERIST Research Center, Algeria  
Abdelmadjed Bouabdallah, Heudiasyc-UMR CNRS, France |
| Supporting Data-Intensive Wireless Sensor Applications using Smart Data Fragmentation and Buffer Management | Mbonisi Masilela, Virginia Commonwealth University, USA  
Ju Wang, Virginia Commonwealth University, USA  
Ramana Pidaparti, Virginia Commonwealth University, USA |
| A Functional Component Based Framework for Cross-Layer Design | Mike Slavik, Florida Atlantic University, USA  
Imad Mahgoub, Florida Atlantic University, USA  
Ahmed Badi, Florida Atlantic University, USA  
Fadi Sibai, UAE University, UAE |
| An Adaptive Clustering Algorithm with Power Control in Wireless Sensor Networks | Hye-Sun Hur, Chungnam National University, Korea  
Kyungsup Kim, Chungnam National University, Korea |

<table>
<thead>
<tr>
<th><strong>Session 5C:</strong> Algorithms &amp; Heuristics</th>
</tr>
</thead>
</table>
| Wave-Fronts Parallelization and Scheduling | Saeed Parsa, Iran University of Science and Technology, Iran  
Shahriar Lotfi, Iran University of Science and Technology, Iran |
| Finding Feasible Timetables with Particle Swarm Optimization | Danial Qarouni-Fard, University of Ferdowsi, Iran  
Amir Najafi-Ardabili, University of Ferdowsi, Iran  
M- Hossein Moiinzadeh, University of Tehran, Iran  
Sarah Sharifian Razavi, Ferdowsi University of Mashhad, Iran  
Ehsan Asgarian, Sharif University of Technology, Iran  
Javad Mohammadzadeh, University of Tehran, Iran |
### Session 5D: Special Session: IT Applications in Electric Power Systems II

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>System of Support of Decision-Making for Electrical Power System Staff.</td>
<td>Diaeldin Ali Ibrahim, University of Donetsk, Ukraine I. P. Zabolotny, Donetsk State Technical University, Ukraine</td>
</tr>
<tr>
<td>Substation Automation Techniques and Future Trends</td>
<td>A B S Mohamed Rayees, Al Ain Distribution Company, UAE</td>
</tr>
<tr>
<td>An Efficient Tri-loop Controller for Photovoltaic Powered Four-wheel Electric Vehicle.</td>
<td>Emhemed Elbakush, University of New Brunswick, Canada A.M. Sharaf, University of New Brunswick, Canada I. H. Altas, Karadeniz Technical University, Trabzon, Turkey</td>
</tr>
<tr>
<td>A New Digital Signal Processing Based Approach for Evaluation of Reactive Power and Energy in Power Distribution Systems.</td>
<td>Adalet Abiyev, Girne American University, Turkey</td>
</tr>
</tbody>
</table>

### Morjaan 1: Mobility Management

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEEE 802.21 MIH based Handover for Next Generation Mobile Communication Systems</td>
<td>Jae-Han Seol, Yonsei University, Korea Jong-Moon Chung, Yonsei University, Korea</td>
</tr>
<tr>
<td>A Decision Scheme for Vertical Handoff in Overlay Wireless Networks</td>
<td>Rami Tawil, Pierre et Marie Curie University, France Guy Pujolle, Pierre et Marie Curie University, France Oscar Salazar, Telecom Paris (ENST), France Jacques Demerjian, PhdGroup.org Association, France</td>
</tr>
</tbody>
</table>

---

---
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Cross-Layer Vertical Handover Decision Model for Heterogeneous Wireless Networks</td>
<td>Syed Zubair Ahmad, Mohammad Ali Jinnah University, Pakistan</td>
</tr>
</tbody>
</table>

**Morjaan 2: Tutorial 3.a**

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basics of Portal Technologies Using Open source and Commercial Products.</td>
<td>Dr. Khalid Khawaja, American University in Dubai, UAE</td>
</tr>
</tbody>
</table>

**15:40 - 16:00 Coffee Break**

**16:00 - 17:40 (MONDAY, NOVEMBER 19, 2007)**

**Session 6A: Natural Language Processing**

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stemming Versus Light Stemming as Feature Selection Techniques for Arabic Text Categorization</td>
<td>Rehab Duwairi, Jordan University of Science and Technology, Jordan</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investigating Automatic Recognition of Non-Native Arabic Speech</td>
<td>Sid-Ahmed Selouani, University of Moncton, Canada</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stemmer Algorithm for Arabic Words based on excessive letter locations</td>
<td>Riyad Al Shalabi, Arab Academy for Banking and Financial Sciences, Jordan</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enhanced Arabic Information Retrieval System based on Arabic Text Classification</td>
<td>Sameh Ghawanmeh, Yarmouk University, Jordan</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Comparison between Interactive and Automatic Query Expansion Applied on Arabic Language</td>
<td>Ghassan Kanaan, Arab Academy for Banking and Financial Sciences, Jordan</td>
</tr>
</tbody>
</table>

**Session 6B: Pattern Matching and Recognition**

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tool Support for Composition and Verification of Formal Behaviors</td>
<td>Siamak Kolahi, Concordia University, Canada</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Face Recognition Using State Space Parameters and K-NN Classifier</td>
<td>Kabeer V, Kannur University, India</td>
</tr>
<tr>
<td>Session 6C: Agent-Based Systems</td>
<td></td>
</tr>
<tr>
<td>--------------------------------</td>
<td></td>
</tr>
</tbody>
</table>
| A Framework for the Evaluation of Agent-Oriented Methodologies | T. Abdelaziz, University of Duisburg-Essen, Essen, Germany  
Mohamed Elammari, University of Garyounis, Libya  
R. Unland, University of Duisburg-Essen, Essen, Germany |
| Agent-Based Approach for Designing and Implementing a Virtual Laboratory | Djamila Mechta, University Ferhat Abbes of Setif, Algeria  
Saad Harous, University of Sharjah, UAE  
Mahieddine Djoudi, University of Poitiers, France  
Amel Douar, University Ferhat Abbes of Setif, Algeria |
| Pattern-Based Design for Intelligent Mobile Agents | Ananta Charan Ojha, ICFAI University, India  
Sateesh Kumar Pradhan, Utkal University, India  
Manas Ranjan Patra, Berhampur University, India |
| Complexity Results for Argumentation-based Agent Communication | Jamal Bentahar, Concordia University, Canada  
Zakaria Maamar, Zayed University, UAE |
| An Approach Towards Emotion Estimation During Chat Sessions Using Software Agents | Abu Zafar Abbasi, National University of Computer and Emerging Sciences, Karachi, Pakistan  
Dr. Zubair A. Shaikh, National University of Computer and Emerging Sciences, Karachi, Pakistan |

<table>
<thead>
<tr>
<th>Session 6D: Special Session: Innovations in Simulation Techniques</th>
</tr>
</thead>
</table>
| A Financial Literacy Simulation Model using Neural Networks | Rentian Huang, Liverpool Hope University, UK  
H. Tawfik, Liverpool Hope University, UK  
M. Samy, Liverpool Hope University, UK  
A. K. Nagar, Liverpool Hope University, UK |
| Use Cases and Scenarios Engineering | Abdesslam Jakimi, ENSIAS, Morocco  
Ayoub Sabraoui, ENSIAS, Morocco  
Elarbi Badidi, UAE University, UAE  
Ali Idri, ENSIAS, Morocco  
Mohamed Elkoutbi, ENSIAS, University MohammedV, Morocco |
| A Simulation Model for Large Scale Distributed Systems | Ciprian M. Dobre, Politechnica University of Bucharest, Romania  
Valentin Cristea, Politehnica University of Bucharest, Romania |
| Novel Approach in Modeling the Extents of Moving Objects | Haoran Chen, University of Science and Technology of China  
Jin Peiquan, University of Science and Technology of China  
Yue Lihua, University of Science and Technology of China |
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development of a Virtual Memory Simulator to Analyze the Goodness of Page Replacement Algorithms</td>
<td>Fadi Sibai, UAE University, UAE Maria Ma, Fidelity Investments, USA David A. Lill, Motorola, Inc., USA</td>
</tr>
<tr>
<td>Active Tokens for Modelling Mental Health Care with Coloured Stochastic Petri Nets</td>
<td>Kristina Dammasch, University of Magdeburg, Germany Graham Horton, University of Magdeburg, Germany</td>
</tr>
<tr>
<td>An Interactive Web Based Decision Support System for Financial Decisions within a Team</td>
<td>George Rigopoulos, National Technical University of Athens, Greece Alessandra Orsoni, Kingston University, UK Javier Otamendi, Universidad Rey Juan Carlos, Spain</td>
</tr>
</tbody>
</table>

**Morjaan 2: Tutorial 3.b**

Basics of Portal Technologies Using Open source and Commercial Products. Dr. Khalid Khawaja, American University in Dubai, UAE

**TUESDAY, NOVEMBER 20, 2007**

**Session 7A: Web Services**

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alert Notification and Resource Allocation against Disease Outbreak using Web services</td>
<td>Drake T. T. Lin, Hong Kong University of Science and Technology Dickson K.W. Chiu, Dickson Computer Systems</td>
</tr>
<tr>
<td>RBLSA based Implementation for Architectural Management Laws</td>
<td>Ahmed Alghamdi, University of Leicester, UK José Luiz Fiadeiro, University of Leicester, UK Adrian Paschke, RuleML Inc., Canada</td>
</tr>
<tr>
<td>Implementing a Facial Recognition System with Alerts and Web Services</td>
<td>K.W. Yu, Hong Kong University of Science and Technology Dickson K.W. Chiu, Dickson Computer Systems Patrick C. K. Hung, University of Ontario, Canada</td>
</tr>
<tr>
<td>Applying Vector Space Models to Ontology Link Type Suggestion</td>
<td>Albert Weichselbraun, Vienna University of Economics and Business Administration, Austria Gerhard Wohlgenannt, Vienna University of Economics and Business Administration, Austria Arno Scharl, MODUL University Vienna, Austria</td>
</tr>
<tr>
<td>Towards Peer-to-Peer Long-Lived Mobile Web Services</td>
<td>Fahad Aijaz, RWTH Aachen University, Germany Bilal Hameed, Aachen University of Technology, Germany Bernhard Walke, RWTH Aachen University, Germany</td>
</tr>
</tbody>
</table>

**Session 7B: Web Applications II**

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuzzy Radial Basis Function Neural Networks for Web Applications Cost Estimation</td>
<td>Ali Idri, ENSIAS, Morocco Abdelali Zakrani, ENSIAS, Morocco Mohamed Elkoutbi, ENSIAS, Université MohammedV, Morocco Alain ABRAN, ETS - University of Quebec, Montreal, Canada</td>
</tr>
<tr>
<td>Multidimensional Sessions Comparison Method Using Dynamic Programming</td>
<td>Natheer Khasawneh, Jordan University of Science and Technology, Jordan Chien-Chung Chan, University of Akron, USA</td>
</tr>
<tr>
<td>Title</td>
<td>Authors</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Content Classification for Caching under CDNs</td>
<td>George Pallis, Aristotle University of Thessaloniki, Greece</td>
</tr>
<tr>
<td></td>
<td>Charilaos Thomos, Aristotle University of Thessaloniki, Greece</td>
</tr>
<tr>
<td></td>
<td>Konstantinos Stamos, Aristotle University of Thessaloniki, Greece</td>
</tr>
<tr>
<td></td>
<td>Athena Vakali, Aristotle University of Thessaloniki, Greece</td>
</tr>
<tr>
<td></td>
<td>George Andreadis, Aristotle University of Thessaloniki, Greece</td>
</tr>
<tr>
<td>Web2.0 for Machines and Services: Human Oriented Service Identity Management</td>
<td>David J. Lutz, Universitaet Stuttgart, Germany</td>
</tr>
<tr>
<td>Cluster Processing of Containment Queries in XML Databases</td>
<td>Ghassan Qadah, American University of Sharjah, UAE</td>
</tr>
</tbody>
</table>

**Session 7C: Pervasive Computing II**

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>P2P File-Sharing Application on Mobile Phones Based on SIP</td>
<td>Liang Li, Institute of Computing Technology, Chinese Academy of Sciences, China</td>
</tr>
<tr>
<td></td>
<td>Xinshe Wang, Hopen Software Engineering Co., Ltd</td>
</tr>
<tr>
<td>Virtual Human Interaction based on Emotional Cognition</td>
<td>Hamido Fujita, Iwate Prefectural University, Japan</td>
</tr>
<tr>
<td></td>
<td>Jun Hakura, Iwate Prefectural University, Japan</td>
</tr>
<tr>
<td></td>
<td>Masaki Kurematsu, Iwate Prefectural University, Japan</td>
</tr>
<tr>
<td>Integration of Telemedicine Activities in the Czech Republic</td>
<td>Otto Dostal, Masaryk University in Brno, Czech Republic</td>
</tr>
<tr>
<td></td>
<td>Michal Javornik, Masaryk University in Brno, Czech Republic</td>
</tr>
<tr>
<td></td>
<td>Karel Slavicek, Masaryk University in Brno, Czech Republic</td>
</tr>
<tr>
<td></td>
<td>Pavel Ventruba, Masaryk University in Brno, Czech Republic</td>
</tr>
<tr>
<td>Document Adaptation and Efficient Exploring of Adapted Document on Mobile Devices</td>
<td>Hassan NADERI, University of INSA of Lyon, France</td>
</tr>
<tr>
<td></td>
<td>Béatrice Rumpler, University of INSA of Lyon, France</td>
</tr>
<tr>
<td></td>
<td>Jean-Marie Pinon, University of INSA of Lyon, France</td>
</tr>
<tr>
<td>Noise Field Measurements for Safety use of Environmel Electronic and Electrical Equipment</td>
<td>Iman Gamal Eldin Morsi, Arab Academy for Science and Technology, Egypt</td>
</tr>
<tr>
<td></td>
<td>Hassan Elkamchouchi, University of Alexandria, Egypt</td>
</tr>
</tbody>
</table>

**Session 7D: Advanced Issues in Communication Networks**

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Induced Packet Loss Reduction by Max-Heap Overlay Construction Based on the Bandwidth-Latency Product Measures</td>
<td>Omar F Hamad, Chonnam National University, Korea</td>
</tr>
<tr>
<td></td>
<td>Mi-Young Kang, Chonnam National University, Korea</td>
</tr>
<tr>
<td></td>
<td>Jin-Han Jeon, Chonnam National University, Korea</td>
</tr>
<tr>
<td></td>
<td>Kyung-Hoon Kim, Chonnam National University, Korea</td>
</tr>
<tr>
<td></td>
<td>Ji-Seung Nam, Chonnam National University, Korea</td>
</tr>
<tr>
<td>Ontology Based Personalized Service in E-marketplaces: A Case Study in a Used Car Matching System</td>
<td>C. K. Lee, Dickson K.W. Chiu</td>
</tr>
<tr>
<td>A New Approach in Grouping and Furthest Away Recently for Optimizing Management Cache in Mobile Environment</td>
<td>Amir M. Rahmani, Islamic Azad University, Iran</td>
</tr>
<tr>
<td></td>
<td>Feridon Shams, University of Beheshti, Iran</td>
</tr>
<tr>
<td></td>
<td>Majid Momenizadeh, Islamic Azad University, Iran</td>
</tr>
</tbody>
</table>
## Morjaan 1: Tutorial 4.a

| Software Engineering of video games. | Prof. Boumediene Belkhouche, UAE University, UAE |

| 10:40 - 11:00 | Break |

## Session 8A: MIMO & Coding Techniques

| Iterative Semi-blind Beamforming Algorithm in MIMO-OFDM Systems | Simin Bokharaiee Najafee, Ferdowsi University of Mashhad, Iran  
Hossein Zamiri-Jafarian, University of Toronto, Canada |
|---|---|
| Optimization of DCF Location for WDM Systems using RZ, Chirped RZ and Carrier-Suppressed RZ Modulations | Taha Landolsi, American University of Sharjah, UAE  
Mohamed El-Tarhuni, American University of Sharjah, UAE |
| Two-Stage Hybrid Decoding for Low-Density Parity Check codes | Hany Zeidan, German University in Cairo, Egypt  
Maha M. Elsabrouty, German University in Cairo, Egypt |

## Session 8B: Computer & Network Security III

| Simulation Based Study of Communication Induced Checkpointing Protocols Ensuring the RDT Property | Zohra Abdelhafidi, University Amar Telidji, Algeria  
Mohamed Djoudi, University Amar Telidji, Algeria  
Mohamed Yagoubi, University Amar Telidji, Algeria |
|---|---|
| A Hierarchical Approach to the Specification of Privacy Preferences | Yuan Hong, Concordia University, Canada  
Shuo Lu, Concordia University, Canada  
Qian Liu, Concordia University, Canada  
Lingyu Wang, Concordia University, Canada  
Rachida Dssouli, Concordia University, Canada |
| An Image Watermarking Scheme based on Image Visual Activity for Copyright Protection | Farhad Keissarian, University of Wollongong in Dubai, UAE |
| Reverse Engineering: Malware Analysis | Madihah Mohd Saudi, Islamic Science University of Malaysia  
Emran Mohd Tamil, University of Malaya (UM)  
Siti Aishah Md Nor, Islamic Science University of Malaysia  
Mohd Yamani Idna Idris, Univeristy of Malaya (UM) |
| A Digital ID Purse Mechanism using USIM in a Mobile Environment | Dongho Song, Korea University, Korea  
Sun Hee Lim, Korea University, Korea  
Okyeon Yi, Kookmin University, Korea  
Jongin Lim, Korea University, Korea |

## Session 8C: Image Computing

| New image matching method based on spatial inter-region relationships | Ines Karouia, ISI, Tunisia  
Ezzeddine Zagrouba, ISI, Tunisia |
|---|---|
| Decomposition of an alignment problem of two 3D images by a multi-agent approach | Mohamed A. Jallouli, Institut Supérieur d'Informatique, Tunisia  
Ezzeddine Zagrouba, ISI, Tunisia  
Narjes Doggaz, Faculté des Sciences de Tunis, Tunisia  
Mongi Abidi, IRIS, Tunisia |
| Interactive Object and Collision Detection Algorithm Implementation on a Virtual Museum | Riri Fitri Sari, University of Indonesia, Indonesia  
Muliawan, University of Indonesia, Indonesia |
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Session 8D: QoS &amp; Resource Allocation</strong></td>
<td></td>
</tr>
<tr>
<td>Quality of Service Support and Local Recovery Approach for ODMRP</td>
<td>Mehdi Effatparvar, Islamic Azad University, Iran</td>
</tr>
<tr>
<td>Multicast Routing in Ad hoc Networks</td>
<td>Amir Dareshorzadeh, Iran University of Science and Technology, Iran</td>
</tr>
<tr>
<td>Ali Dehghan, AmirKabir University of Technology, Iran</td>
<td>Mehdi Dehghan, Amir Kabir University of Technology, Iran</td>
</tr>
<tr>
<td>Mohammad Reza Effatparvar, Islamic Azad University,</td>
<td>Ali Movaghar, Sharif University of Technology, Iran</td>
</tr>
<tr>
<td>Iran</td>
<td>Mohammad Reza Effatparvar, Islamic Azad University, Iran</td>
</tr>
<tr>
<td>Fair-Sharing Resource Management Schema for Multi-service Wireless</td>
<td>Hang Chen, Johnson C. Smith University, USA</td>
</tr>
<tr>
<td>and Mobile Networks</td>
<td>Magdy Attia, Johnson C. Smith University, USA</td>
</tr>
<tr>
<td>Opportunistic Uplink Scheduling for 3G LTE Systems</td>
<td>Mohammed Al Rawi, Helsinki University of Technology, Finland</td>
</tr>
<tr>
<td>Riku Jäntti, Helsinki University of Technology, Finland</td>
<td>Johan Torsner, Ericsson Research, Finland</td>
</tr>
<tr>
<td>Mats Sägfors, Ericsson Research, Finland</td>
<td></td>
</tr>
<tr>
<td>Preemption Scheme for Improving Source Level Fairness in Optical</td>
<td>Tananun Orawiwattanakul, The Graduate University for Advanced Studies</td>
</tr>
<tr>
<td>Burst Switching Networks</td>
<td>Japan</td>
</tr>
<tr>
<td>Yusheng Ji, National Institute of Informatics, Japan</td>
<td></td>
</tr>
<tr>
<td>Optimal Frame Length for Keeping Normalized Goodput with Lowest</td>
<td>Jian Qi, University of Quebec, INRS-EMT, Canada</td>
</tr>
<tr>
<td>Requirement on BER</td>
<td>Sonia Aissa, University of Quebec, INRS-EMT, Canada</td>
</tr>
<tr>
<td></td>
<td>Xinsheng Zhao, Southeast University Nanjing, China</td>
</tr>
<tr>
<td><strong>Morjaan 1: Tutorial 4.b</strong></td>
<td></td>
</tr>
<tr>
<td>Software Engineering of video games.</td>
<td>Prof. Boumediene Belkhouche, UAE University, UAE</td>
</tr>
<tr>
<td><strong>12:40 - 13:30</strong></td>
<td></td>
</tr>
<tr>
<td>Closing ceremony</td>
<td></td>
</tr>
<tr>
<td>Best paper award announcement</td>
<td></td>
</tr>
</tbody>
</table>