



COMPUTING CONFERENCE  
2016 - LONDON



# CONFERENCE AGENDA

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## DAY 1 (13 JULY)

8:30 am - 9:30 am Delegates Check-in

9:30 am - 12:00 pm **Official Opening (Room 19)**

### **MORNING PLENARY (Room 19)**

Ann Cavoukian, Ryerson University  
Peter Robinson, Cambridge  
Susan Wegner, Deutsche Telekom

### **PANEL DISCUSSION**

12:00 pm - 1:00 pm Lunch (**Restaurant**)

1:00 pm - 3:00 pm

### **PAPER PRESENTATIONS**

Session 1: Artificial Intelligence  
Session 2: Communication Systems  
Session 3: Technology Trends  
Session 4: Machine Vision

3:00 pm - 3:30 pm Networking Break (**Room 17**)

3:30 pm - 5:30 pm

### **PAPER PRESENTATIONS**

Session 5: Artificial Intelligence  
Session 6: Communication Systems  
Session 7: Mobile Applications  
Session 8: Machine Vision

## DAY 2 (14 JULY)

8:30 am - 9:00 am Check-in & Networking (**Room 17**)

9:00 am - 10:00 am Poster & Demo Session (**Room 17**)

10:00 am - 12:00 pm

### **MORNING PLENARY (Room 19)**

Hoi Lam, Google  
Thomas Kallstenius, iMinds  
Helen Crompton, Old Dominion University  
Kohei Arai, Saga University

12:00 pm - 1:00 pm Lunch (**Restaurant**)

1:00 pm - 3:00 pm

### **PAPER PRESENTATIONS**

Session 9: Artificial Intelligence  
Session 10: e-Learning  
Session 11: Technology Trends  
Session 12: Machine Vision

3:00 pm - 3:30 pm Networking Break (**Room 17**)

3:30 pm - 5:30 pm

### **PAPER PRESENTATIONS**

Session 13: Artificial Intelligence  
Session 14: e-Learning  
Session 15: e-Business  
Session 16: Machine Vision

## DAY 3 (15 JULY)

8:15 am - 8:45 am Check-in & Networking (**Room 17**)

8:45 am - 10:00 am

### **PAPER PRESENTATIONS**

Session 17: Technology Trends  
Session 18: Cloud Computing  
Session 19: Security and Privacy  
Session 20: Software Engineering

10:00 am - 10:30 am

Networking Break (**Room 17**)

10:30 am - 12:15 pm

### **MORNING PLENARY (Room 19)**

Norbert Eicker, DEEP-ER  
Bob Crooks, BCS  
Marjolein Schaap, Cancer Research UK

12:15 pm - 1:15 pm

Lunch (**Restaurant**)

1:15 pm - 3:15 pm

### **PAPER PRESENTATIONS**

Session 21: Intelligent Systems  
Session 22: e-Learning  
Session 23: Security and Privacy  
Session 24: Social Computing

3:15 pm - 3:30 pm

Networking Break (**Room 17**)

3:30 pm - 5:30 pm

### **PAPER PRESENTATIONS**

Session 25: Intelligent Systems  
Session 26: Cloud Computing  
Session 27: Security and Privacy  
Session 28: Electronics

5:30 pm - 6:00 pm

**Closing Ceremonies (Room 19)**

# SPEAKERS



## Ann Cavoukian

Executive Director, Ryerson University Institute for Privacy and Big Data, Canada

13 July 2016 | 9:45 am

Talk Title: The Time to Embed Privacy, by Design is Now: Into IoT, AI, and Big Data, While We Still Can



## Peter Robinson

Professor, Computer Technology, University of Cambridge United Kingdom

13 July 2016 | 10:15 am

Talk Title: Computation of emotions



## Susan Wegner

VP Smart Data Analytics & Communication, Deutsche Telekom, Germany

13 July 2016 | 11:00 am

Talk Title: Future Analytics



## Hoi Lam

Subject-matter Expert, Google United Kingdom

14 July 2016 | 10:00 am

Talk Title: Horizontal Innovation



## Thomas Kallstenius

VP Research & Technology, iMinds Belgium

14 July 2016 | 10:30 am

Talk Title: The learning Internet of Things



## Helen Crompton

Professor, Old Dominion University Virginia United States

14 July 2016 | 11:00 am

Talk Title: Mobile Technologies Expanding Educational Opportunities

# SPEAKERS



## Kohei Arai

Professor, Saga University  
Japan

14 July 2016 | 11:30 am

Talk Title: Multi-Dimensional Discrete Wavelet  
Transformation and Its Application to Polarimetric  
SAR Classification



## Norbert Eicker

Julich Supercomputing Centre and Chief architect DEEP-ER,  
Germany

15 July 2016 | 10:30 am

Talk Title: Taming Heterogeneity in HPC



## Bob Crooks

Chair, British Computer Society Green IT Specialist Group  
United Kingdom

15 July 2016 | 11:00 am

Talk Title: - Can we sustain the digital world



## Marjolein Schaap

Research Funding Manager, Cancer Research  
United Kingdom

15 July 2016 | 11:30 am

Talk Title: Decoding cancer: could computing help  
us beat it sooner?

# DAY 1 - PAPER PRESENTATIONS

<b>Room 19 (1:00 pm - 3:00 pm)</b> <b>Session 1: Artificial Intelligence</b> Session Chair: Kohei Arai	<b>Room 18 (1:00 pm - 3:00 pm)</b> <b>Session 2: Communication Systems</b> Session Chair: Amanda Peart	<b>Room 16 (1:00 pm - 3:00 pm)</b> <b>Session 3: Technology Trends</b> Session Chair: Kate Farrahi	<b>Room 15 (1:00 pm - 3:00 pm)</b> <b>Session 4: Machine Vision</b> Session Chair: Xiaohong Gao
38 - Computer-Based Analysis of Business Communication Language 429 - VENCE: A New Machine Learning Method Enhanced by Ontological Knowledge to Extract Summaries 169 - Resilience and Survivability of ATM Node-Node Network Failures Using Ant Colony Swarm Intelligent Modelling 21 - Numerical Solution of Fuzzy Heat Equation with Two Different Fuzzifications 37 - Optic Disc Segmentation by Weighting the Vessels Density within the Strongest Candidates 40 - An Overview of IRFS on Canadian GAAP Self-Organizing Maps (SOMs)MS 59 - Study on the Computational Cost of EEG Dynamic Modeling Methods	43 - LDA-Lattice Aided Network Coding for Two-Way Relay 62 - Joint Channel Coding Network Coding for Multi-Way Relay Systems 107 - A Reduced Complexity Interference Cancellation Technique Based on Matrix Decomposition for FTN Signaling 141 - A Novel Frequency Reversal Transmission for Cooperative Networks with Frequency Offsets 154 - Performance Evaluation of Qos Using SIP & IAX2 VoIP Protocols with CODECS 186 - Beyond Watchdog Schemes in Securing MANET's Reactive Protocols Operating on a Dynamic Transmission Power Control Technique 187 - Opportunistic Native Multicast under Churn	400 - An Analysis of Live Migration in Openstack Using High Speed Optical Network 232 - Understanding Sporting Fandom in Social Media 146 - A New Approach to Speed up Combinatorial Search Strategies Using Stack and Hash Table 378 - BASIS: A Big Data Architecture for Smart Cities 184 - Determinants of Successful BYOT Initiatives 420 - 868MHz 6LoWPAN with ContikiMAC for an Internet of Things Environmental Sensor Network 198 - What Can Cause Big Data Being Slow?	67 - A Neural Decision Forest Scheme with Application to EMG Gesture Classification 78 - A Neural Network Based Approach for Iris Recognition Based on Both Eyes 412 - Learning Polynomial Neural Networks of a Near-Optimal Connectivity for Detecting Abnormal Patterns in Biometric Data 116 - Multi-scale reflection invariance 309 - Using Low-Quality Video Sequences for Fish Detection and Tracking 117 - Active Contour Model with Entropy-Based Constraint for Image Segmentation 33 - Augmented Reality for Driving Simulators

<b>Room 19 (3:30 pm - 5:30 pm)</b> <b>Session 5: Artificial Intelligence</b> Session Chair: Kate Farrahi	<b>Room 18 (3:30 pm - 5:30 pm)</b> <b>Session 6: Communication Systems</b> Session Chair: Amanda Peart	<b>Room 16 (3:30 pm - 5:30 pm)</b> <b>Session 7: Mobile Applications</b> Session Chair: Helen Crompton	<b>Room 15 (3:30 pm - 5:30 pm)</b> <b>Session 8: Machine Vision</b> Session Chair: Xiaohong Gao
60 - IR Based Intelligent Image Processing Techniques for Medical Applications 113 - Adaptation of Harmony Search Algorithm for DNA Fragment Assembly Problem 134 - A Natural Language based Knowledge Representation Method for Medical Diagnosis 156 - Using Microscopic Pedestrian Simulation Statistics to Find Clogging Regions 207 - Fuzzy Based Modeling for an Effective it Security Policy Management 170 - A Distributed Agent-based System For Coordinating Smart Solar-powered Microgrids 413 - Machine Learning Based Job Status Prediction in Scientific Clusters 149 - A Proposed Model for Predicting the Drilling Path Based on Hybrid Pso-Bp Neural Network	280 - An Efficient Self-Stabilizing Vertex Coloring Algorithm 383 - Performance Evaluation of MIMO System Using LTE Downlink Physical Layer 445 - Improving Prioritized Handover Performance for Mobile WiMAX by Dynamic Guard Channel Allocation and RSS Quality Factor 183 - Study of Polar Codes MIMO Channels Polarization Using MIMO System 438 - Call Admission Control Techniques for 3GPP LTE: A Survey 32 - An Improved Method for Block BSS in Time Domain by Overlapping Adjacent Blocks 199 - Morse Code Translator Using the Arduino Platform: Crafting the Future of Microcontrollers 265 - A Decision-Based Analysis for the Safety Communication Protocol in Train Control System	94 - Mobile Web Application with Shortest Path Finder 103 - Enhancing Student Learning of Human-Computer Interaction Using a Contextual Mobile Application 125 - Fuzzy Logic-Based Implicit Authentication for Mobile Access Control 177 - Service-Oriented Wifi Connectivity Maintenance with a Mobile AP 329 - A Novel Ontology-Based Approach To Personalised mHealth Application Development 393 - Opportunities and Challenges of Using Crowdsourced Measurements for Mobile Network Benchmarking A Case Study on RTR Open Data 447 - Energy Changes in Brain Under Mobile Phone Radiation 115 - NFC Mobile Payments	204 - Enhanced Neuromorphic Visual Processing by Segmented Neuron for Intelligent Vehicle 137 - An Image Complexity Measurement Algorithm with Visual Memory Capacity and an EEG Study 138 - Visualizing Document Similarity Using N-Grams and Latent Semantic Analysis 144 - How to Compare Search Engines in CBIR? 175 - Hybrid Active Contours in Multiphase Level Set Framework for Images Segmentation 194 - A Trichotomic Technique to Separate Overlapped Nuclei in Microscopic Cancer Images 202 - 3D Thermo Scan Multi-Modality Image Registration 224 - An interacting replica approach applied to the traveling salesman problem

# DAY 2 - PAPER PRESENTATIONS

<p><b>Room 19 (1:00 pm - 3:00 pm)</b>  <b>Session 9: Artificial Intelligence</b>                      Session Chair: Thomas Roth-Berghofer</p>	<p><b>Room 18 (1:00 pm - 3:00 pm)</b>  <b>Session 10: e-Learning</b>                      Session Chair: Helen Crompton</p>	<p><b>Room 16 (1:00 pm - 3:00 pm)</b>  <b>Session 11: Technology Trends</b>                      Session Chair: Xiaohong Gao</p>	<p><b>Room 15 (1:00 pm - 3:00 pm)</b>  <b>Session 12: Machine Vision</b>                      Session Chair: Bestoun S. Ahmed</p>
<p>231 - Posterior Self-Information Based Uncertainty Measurement for Data Classification and Learning</p> <p>243 - Maintaining Prediction Quality Under the Condition of a Growing Knowledge Space</p> <p>315 - Performance Prediction of Software Defined Network Using an Artificial Neural Network</p> <p>345 - Fuzzy Random Decision Tree (FRDT) Framework for Privacy Preserving Data Mining</p> <p>370 - Fuzzy Partition Technique for Clustering Big Urban Dataset</p> <p>136 - Financial Self-Organizing Map of Croatian small-sized enterprises</p> <p>96 - Teeth Periapical Lesion Prediction Using Machine Learning Techniques</p>	<p>14 - Business Intelligence Tools: Should They be 'Gamified'?</p> <p>30 - A Proposed Tutoring System to Support the Learning of Computer Programming: Case Study</p> <p>453 - The Impact of a 3D Visual Tool on Female Students Attitude and Performance in Computer Programming</p> <p>44 - A Comprasion of ICT infrastructure in Saudi Arabian and Gulf States Universities</p> <p>53 - Self-Summarized Video in Adaptive Collaborative E-Learning Environment</p> <p>108 - A Study of Faculty Motivation to Develop and Deliver a Basic Blended E-Course in Community College at the University of Dammam, Saudi Arabia</p> <p>151 - Open Badges: A Best-Practice Framework</p>	<p>145 - Wearable Light Field Optical See-Through Display to Avoid User Dependent Calibrations: A Feasibility Study</p> <p>203 - Context Aware Augmentational Marketing</p> <p>382 - Development of Virtual-Reality Simulator System for Minimally Invasive Surgery (MIS) Using Fractional-Order Vascular Access</p> <p>250 - Science or Non-Science? The Challenge for Medical Research -To Explain Neuro-Regulation</p> <p>327 - Knowledge Management Support for Conceptual Product Design</p> <p>306 - Input Password Method for Hadicapped People</p> <p>443 - Smart Grid System</p>	<p>215 - Comparative Study of Clustering Medical Images</p> <p>249 - Deaf Talk Using 3D Animated Sign Language</p> <p>277 - Multimodal Image Stitching Algorithm for Weed Control Applications in Organic Farming</p> <p>308 - A Fast Bicycle Detector Based on A Geometric Model for Single Side-view Image</p> <p>313 - New Clustering of the Spikes Morphology Based on Dynamic Clouds in Partial Epilepsy</p> <p>322 - Self-adaptive Hybrid Pso-ga Method For Change Detection Under Varying Contrast Conditions In Satellite Images</p> <p>163 - Real Time Text Speller based on Eye Movement Classification Using Wearable EEG Sensors</p> <p>278 - Investigation of Different Sensor Systems to Classify Plant and Weed in Organic Farming Applications</p>
<p><b>Room 19 (3:30 pm - 5:30 pm)</b>  <b>Session 13: Artificial Intelligence</b>                      Session Chair: Thomas Roth-Berghofer</p>	<p><b>Room 18 (3:30 pm - 5:30 pm)</b>  <b>Session 14: e-Learning</b>                      Session Chair: Helen Crompton</p>	<p><b>Room 16 (3:30 pm - 5:30 pm)</b>  <b>Session 15: e-Business</b>                      Session Chair: Amanda Peart</p>	<p><b>Room 15 (3:30 pm - 5:30 pm)</b>  <b>Session 16: Machine Vision</b>                      Session Chair: Bestoun S. Ahmed</p>
<p>168 - A Deep Learning Based Approach to Classification of CT Brain Images</p> <p>414 - Recent Advances for Handling Imbalancement and Uncertainty in Labelling in Medicinal Chemistry Data Analysis</p> <p>422 - Learning Label Structure for Compressed Sensing Based Multilabel Classification</p> <p>469 - Defining Terms: Data, Information and Knowledge</p> <p>85 - A Mapreduce Fuzzy Techniques of Big Data Classification</p> <p>288 - Overlapping Clustering: A Review</p> <p>240 - Traffic Event Detection from Road Surveillance Videos Based on Fuzzy Logic</p> <p>367 - Algorithm Selection for Classification Problems</p>	<p>153 - HASKEU: An editor to support visual and textual programming in tandem</p> <p>160 - Towards a decentralized overlay for real-time live streaming: CHARMS meets the Web</p> <p>463 - Cyber-Physical Systems in STEM Disciplines</p> <p>192 - Using Motivation Derived from Computer Gaming in the Context of Computer Based Instruction</p> <p>230 - Slimming Down The Accreditation Process</p> <p>290 - Prototype Application to Address the Challenges of Criteria-Based Assessment</p> <p>330 - Curricular Design Based in Bodies of Knowledge: Engineering Education for the Innovation and the Industry</p>	<p>19 - Keyword Based Searching in Social Networks</p> <p>34 - A Framework for Impact Analysis of Post-Implementation Enterprise Resource Planning Modifications</p> <p>35 - Experiences about opening data in private sector: a systematic literature review</p> <p>172 - Evaluation and Economic Valorization of Websites Using the Technical Evaluation and Economic Valorization Methodology (ETVE)</p> <p>364 - Configuration Semantics Representation: A rule-based ontology for product configuration</p> <p>371 - Architecting Adaptive Inter-Organizational Middleware Systems</p> <p>372 - A Generic Framework for E-Commerce Requirements to Comply with Sharia in Business-To-Consumer Perspective</p>	<p>347 - A Framework for Objective Performance Evaluation for Digital Font Reconstruction</p> <p>357 - Fast and Accurate Ground Plane Detection for the Visually Impaired from 3D Organized Point Clouds</p> <p>366 - Measuring Effects of User-Specific Behaviour on Selection Tasks in HCI</p> <p>384 - Optimal Camera Path Planning for 3D Visualisation</p> <p>405 - Soft Robotic Finger Fabrication with PDMS and IPMC Actuator for Gripping</p> <p>431 - Extraction of Image Objects in Very High Resolution Satellite Images Using Spectral Behaviour in Look-Up Table and Color Space Based Approach</p> <p>391 - Apparel Coordination based on Contour and Dominant Colours Matching</p>

## DAY 2 - POSTER PRESENTATIONS

<b>Room 17 (9:00 am - 10:00 am)</b> <b>Project Demonstrations</b> Session Chair: Kohei Arai	<b>Room 17 (9:00 am - 10:00 am)</b> <b>Poster Presentations</b> Session Chair: Kohei Arai
250 - Science or Non-Science? The Challenge for Medical Research - To Explain Neuro-Regulation 327 - Knowledge Management Support for Conceptual Product Design 306 - Input Password Method for Handicapped People	167 - Detection of Grapes in Natural Environment Using Feedforward Neural Network as a Classifier 354 - Where am I? The Challenges of Interpretation of Natural Language Descriptions of Geographical Location 77 - Wormhole Attack Detection in Wireless Sensor Networks 374 - Visual Comfort Improvement for 3D Video Based on Parallax Adjustment 55 - Camera Self-Calibration With Varying Intrinsic Parameters And Arc Of The Circle 56 - Clustering and Classification Using a Self-Organizing MAP 474 - Supporting World War I Heritage Digitisation and Presentation Through User-Centered Web Design 475 - FSOS: A Tool for Recommending Suitable Operating Systems to Computer Users 83 - Self-Driven and Direct Spatio-temporal Mechanisms for the Vision-based Parking Slot Surveillance 379 - SimUVEx v2: A Numeric Model to Predict Anatomical Solar Ultraviolet Exposure 307 - Interrogation Properties of Ternary Content Addressable Memory Using a CMOS-SRAM Cell 302 - A Probabilistic Approach to Adjust Adaboost Weights

## DAY 3 - PAPER PRESENTATIONS

<b>Room 19 (8:45 am - 10:00 am)</b> <b>Session 17: Technology Trends</b> Session Chair: Xiaohong Gao	<b>Room 18 (8:45 am - 10:00 am)</b> <b>Session 18: Cloud Computing</b> Session Chair: Kate Farrahi	<b>Room 16 (8:45 am - 10:00 am)</b> <b>Session 19: Security and Privacy</b> Session Chair: Amanda Peart	<b>Room 15 (8:45 am - 10:00 am)</b> <b>Session 20: Software Engineering</b> Session Chair: Kohei Arai
229 - Performance Improvement of the Parallel Smith Waterman Algorithm Implementation Using Hybrid MPI Openmp Model 323 - Towards a Classification of Things 396 - GPU Computing Using CUDA in the Deployment of Smart Grids 51 - Quantum Fluctuations in Biological Functions	455 - The Creation of a Data Management Platform for Use in the UCWW 57 - Offering Hadoop as a Cloud Service 359 - Infrastructure as a Service: Exploring Network Access Control Challenges 381 - Towards Monitoring Security Policies in Grid Computing: A Survey	301 - A Dynamic Two-Level Priority Based Authentication System for Job Scheduling in a Heterogeneous Grid Environment 408 - Tracing Masquerading Attacks in Distributed Healthcare Information Systems 368 - Developing Coercion Detection Solutions for Biometric Security 461 - Improving Detection Rate Using Misuse Detection and Machine Learning	106 - A Model-Driven Approach for Model Transformations 427 - Dealing with Components Reusability Issues as Cutting-Edge Applications Turn Legacy 50 - Factors to be Considered for the Adaptation of "Cyclic Process" (CMMI-DEV Level 2) - In the Development of Embedded Components 369 - A Framework for Depression Dataset to Build Automatic Diagnoses in Clinically Depressed Saudi Patients

# DAY 3 - PAPER PRESENTATIONS

<p style="text-align: center;"><b>Room 19 (1:15 pm - 3:15 pm)</b> <b>Session 21: Intelligent Systems</b> Session Chair: Thomas Roth-Berghofer</p> <p>41 - Handling Class Imbalance In Direct Marketing Dataset Using A Hybrid Data and Algorithmic Level Solutions</p> <p>197 - Towards Ethical Robots: Revisiting Braitenberg's Vehicles</p> <p>88 - A Weight Dissemination Look at Relevance Feedback and Query Reformulation</p> <p>17 - The Weighted Least Squares Ratio (WLSR) Method to M-Estimators</p> <p>70 - A Smart Display Component Model For Embedded Systems Modeling and Simulation</p> <p>196 - Towards an Intelligent Decision-Making Support in Health Information Systems</p> <p>209 - Mapping Sorting Algorithm</p>	<p style="text-align: center;"><b>Room 18 (1:15 pm - 3:15 pm)</b> <b>Session 22: e-Learning</b> Session Chair: Kate Farrahi</p> <p>387 - Using Tablet PC in the Teaching and Learning of Secondary Mathematics: A Case of a Girl's Class in Mauritius</p> <p>435 - Data collection and processing for a multimodal Learning Analytic System</p> <p>61 - Designing a Collaborative Group Project Recommender for an E-Learning System</p> <p>68 - Some Opportunities for Integrating Activities in the Creation of Electronic Textbook</p> <p>258 - Recommendations to Improve Programming Skills of Students of Computer Science</p> <p>87 - Learners' Acceptance Toward Blended Learning</p> <p>181 - An Activating Framework Using Software Defined Radio to Enhance Classroom Teaching for Wireless Communication Courses in Developing Countries</p>	<p style="text-align: center;"><b>Room 16 (1:15 pm - 3:15 pm)</b> <b>Session 23: Security and Privacy</b> Session Chair: Kohei Arai</p> <p>473 - Sticky Policy Enabled Authenticated OOXML</p> <p>15 - A Cybersecurity Culture Research Philosophy and Approach to Develop a Valid and Reliable Measuring Instrument</p> <p>46 - A-RSA: Augmented RSA</p> <p>47 - Automated Vehicle Density Estimation from Raw Surveillance Videos</p> <p>63 - An Empirical Study of Security of Voip System</p> <p>79 - Security and Privacy for Data Mining of RFID-Enabled Product Supply Chains</p> <p>82 - Framework For Evaluation And Comparison Of Integer Factorization Algorithms</p>	<p style="text-align: center;"><b>Room 15 (1:15 pm - 3:15 pm)</b> <b>Session 24: Social Computing</b> Session Chair: Xiaohong Gao</p> <p>28 - Intention to Trust and Share Health-Related Online Rumors: Studying the Role of Risk Propensity</p> <p>58 - Tweets Classification, Hashtags Suggestion and Tweets Linking in Social Semantic Web</p> <p>182 - Simple Social Commerce for Microenterprises</p> <p>239 - A Mobile Polycystic Ovarian Syndrome Management and Awareness System for Gulf Countries</p> <p>386 - An Extracted Social Network Mining</p> <p>376 - Crowdsourcing Business Model for Low Income Community: Conceptual Model</p> <p>131 - Nudging Pakistani Users Towards Privacy on Social Networks</p>
<p style="text-align: center;"><b>Room 19 (3:30 pm - 5:30 pm)</b> <b>Session 25: Intelligent Systems</b> Session Chair: Thomas Roth-Berghofer</p> <p>257 - A Density-based Data Cleaning Approach for Deduplication with Data Consistency and Accuracy</p> <p>282 - Connotative Space for Music Affective Recommendation</p> <p>200 - Action Selection Through Affective States Modelling</p> <p>365 - Sample Sufficiency for Principle Component Analysis in Real Property Valuation</p> <p>385 - Stigmergic Interoperability for Autonomic Systems: Managing Complex Interactions in Multi-Manager Scenarios</p> <p>415 - Using Data Mining Techniques to Predict Students at Risk of Poor Performance</p> <p>416 - Adaptive Learning Process for the Evolution of Ontology-Described Classification Model in Big Data Context</p>	<p style="text-align: center;"><b>Room 18 (3:30 pm - 5:30 pm)</b> <b>Session 26: Cloud Computing</b> Session Chair: Kohei Arai</p> <p>406 - A Forensic Cloud Environment to address the Big Data challenge in Digital Forensics</p> <p>27 - Development of the Method of Dynamic Distribution of Users' Data in Storage Devices in Cloud Technology</p> <p>325 - Green Algorithm to Reduce the Energy Consumption in Cloud Computing Data Centres</p> <p>337 - Secure and Strong Mobile Cloud Authentication</p> <p>349 - Simplified Deployment of Virtual Machines Using an Intelligent Design Engine</p> <p>100 - RFDA: Reliable Framework for Data Administration Based on Split-Merge Policy</p> <p>276 - An Over-utilization Avoidance Host Selection Scheme for Affording Workload of Migrated VM</p>	<p style="text-align: center;"><b>Room 16 (3:30 pm - 5:30 pm)</b> <b>Session 27: Security and Privacy</b> Session Chair: Ahmad Ghafarian</p> <p>91 - A Layered Defense Mechanism for a Social Engineering Aware Perimeter</p> <p>140 - Development of a Cyber Security Awareness Strategy Using Focus Group Discussion</p> <p>143 - Towards a virtual bank for evaluating security aspects with focus on user behavior</p> <p>147 - Design and Implementation of a New Active RFID Authentication Protocol Based on Elliptic Curve Encryption</p> <p>155 - Security of Egovernment Services and Challenges in Pakistan</p> <p>162 - Adaptive Linear Programming of Polar Codes to Minimize Additive Distortion in Steganography</p> <p>244 - Statistical Approach towards Malware Classification and Detection</p>	<p style="text-align: center;"><b>Room 15 (3:30 pm - 5:30 pm)</b> <b>Session 28: Electronics</b> Session Chair: Amanda Peart</p> <p>148 - Integrated Alarm Annunciation System with Dual Communication Capability and Operator Assisted Messaging for Nuclear Power Plant Applications</p> <p>161 - Implementation of Developed Gunshot Detection Algorithm on TMS320C6713 Processor</p> <p>213 - Efficient Application of Multi-Core Processors as Substitute of the E-Gas (Etc) Monitoring Concept</p> <p>285 - ATPG Method with a Hybrid Compaction Technique for Combinational Digital Systems</p> <p>335 - A Parallel Filter Technique to Stabilize Error-Rectification Behavior in RDF Deconvolution Process for SRAM Screening Test</p> <p>380 - Batteryless Radio System for Hospital Application</p> <p>260 - Maximizing Sum-Rate for Cellular Networks with Overlay D2D Communication</p> <p>191 - HMCNA as a New Algorithm for Burst Assembly on an OBS Distributed Network</p>

# NETWORKING AND IDEA SHARING LONDON TOUR

(OPTIONAL)

16 JULY

09:45 am – 10:00 am	Pickup (Delegates are requested to wait for the coaches outside the venue building)
10:00 am – 12:00 pm	Panoramic tour of London seeing all the major sights, Big Ben and the Houses of Parliament, Trafalgar Square, St Paul's Cathedral and Tower Bridge.
12:00 pm – 12:40 pm	You will then get to see the Changing of the Guard at Buckingham Palace (weather permitting).
01:00 pm – 02:30 pm	For lunch we will visit the area of Covent Garden with a huge array of restaurants, bars, shops and market stalls. A unique opportunity to informally meet and discuss ideas with other researchers in the field from around the world.
03:00 pm – 04:15 pm	After Lunch you will have a guided tour of the highlights of the British Museum. The British Museum is home to over 6 million artefacts from all over the world, and during your tour you will see some of the most famous including; the Rosetta stone, the Parthenon Sculptures, the Mummies, and the Assyrian Collection.
04:15 pm – 05:30 pm	Depart for the panoramic tour of the 'City of London', seeing Fleet Street, St Paul's Cathedral, The Tower of London, Tower Bridge and the financial district.
05:30 pm	Drop-off

