

CONFERENCE AGENDA

computing
conference 2018

DAY 1 (10 JULY)

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| 8:00 am - 9:00 am | Delegates Check-in |
| 9:00 am - 11:00 am | CONFERENCE OPENING

KEYNOTE TALKS
Hui Lei, Watson Health Cloud, IBM
Robert Steele, Florida Polytechnic |
| 11:00 am - 11:30 am | PROJECT DEMONSTRATIONS |
| 11:30 am - 12:00 pm | POSTER PRESENTATIONS |
| 12:00 pm - 1:00 pm | Lunch (Restaurant) |
| 1:00 pm - 3:15 pm | PAPER PRESENTATIONS
Session 1: Artificial Intelligence
Session 2: e-Learning
Session 3: Communication Systems |
| 3:15 pm - 3:30 pm | Networking Break |
| 3:30 pm - 5:30 pm | PAPER PRESENTATIONS
Session 4: Intelligent Systems
Session 5: Machine Learning
Session 6: Communication Systems |
| 6:00 pm onwards | Evening London Tour |

DAY 2 (11 JULY)

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| 8:00 am | Delegates Arrive |
| 8:30 am - 10:30 am | KEYNOTE TALKS
Saeid Nahavandi, Deakin University
Ann Blandford, UCL |
| 10:30 am - 12:30 pm | PAPER PRESENTATIONS
Session 7: Data Science
Session 8: Security
Session 9: Communication Systems |
| 12:30 pm - 1:30 pm | Lunch (Restaurant) |
| 1:30 pm - 3:30 pm | PAPER PRESENTATIONS
Session 10: Data Science
Session 11: Security
Session 12: Communication Systems |
| 3:30 pm - 3:45 pm | Networking Break |
| 3:45 pm - 6:00 pm | PAPER PRESENTATIONS
Session 13: Intelligent Systems
Session 14: Security
Session 15: Software Engineering |

DAY 3 (12 JULY)

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|---------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 8:00 am | Delegates Arrive |
| 8:30 am - 10:30 am | KEYNOTE TALKS
Nikola Serbedzija, Fraunhofer FOKUS
Eerke Boiten, De Montfort University |
| 10:30 am - 12:45 pm | PAPER PRESENTATIONS
Session 16: Internet of Things
Session 17: Image Processing
Session 18: Machine Learning |
| 12:45 pm - 1:30 pm | Lunch (Restaurant) |
| 1:30 pm - 3:30 pm | PAPER PRESENTATIONS
Session 19: Intelligent Systems
Session 20: Image Processing
Session 21: Artificial Intelligence |
| 3:30 pm - 3:45 pm | Networking Break |
| 3:45 pm - 5:15 pm | PAPER PRESENTATIONS
Session 22: Intelligent Systems
Session 23: Robotics
Session 24: Artificial Intelligence |
| 5:15 pm - 6:00 pm | Conference Closing |

10 JULY (1:00 pm - 3:15 pm)

PAPER PRESENTATIONS

<p>Session 1: Artificial Intelligence Session Chair: Jim Chen (Oxford and Cambridge)</p>	<p>Session 2: e-Learning Session Chair: Shabnam Sadeghi Esfahlani (Somerville)</p>	<p>Session 3: Communication Systems Session Chair: Ah-Lian Kor (Trinity)</p>
<p>353 - Text Categorization for Authorship Attribution in English Poetry (Presenter: Yanjun Li, United States)</p> <p>132 - Dynamic Control of Explore/Exploit Trade-Off in Bayesian Optimization (Presenter: Edward Pyzer-Knapp, United Kingdom)</p> <p>452 - A Bayesian Approach for Analyzing the Dynamic Relationship between Quarterly and Monthly Economic Indicators (Presenter: Koki Kyo, Japan)</p> <p>165 - Automatic Web-based Question Answer Generation System for Online Feedable New-Born Chatbot (Presenter: Sameera Abdul-Kader, United Kingdom)</p> <p>75 - Optimal Moore Neighborhood Approach of Cellular Automaton based Pedestrian Movement: A Case Study on the Closed Area (Presenter: Fadratul Hafinaz Hassan, Malaysia)</p> <p>205 - Classical, Rule-Based and Fuzzy Methods in Multi-Criteria Decision Analysis (MCDA) for Life Cycle Assessment (Presenter: Andrzej Maciol, Poland)</p> <p>202 - Chatbot: Efficient and Utility-based Platform (Presenter: Sonali Chandel, China)</p>	<p>263 - Role of Digital Fluency and Spatial Ability in Student Experience of Online Learning Environments (Presenter: Tatiana Tchoubar, United States)</p> <p>368 - Identifying the Underlying Factors of Students' Readiness for E-Learning in Studying English as a Foreign Language in Saudi Arabia: Students' and Teachers' Perspectives (Presenter: Ibrahim Mutambik, United Kingdom)</p> <p>407 - Using Cyber Competitions to Build a Cyber Security Talent Pipeline and Skilled Workforce (Presenter: Robert Cherinka, United States)</p> <p>410 - Practical Security for Electronic Examinations on Students' Devices (Presenter: Bastian Küppers, Germany)</p> <p>455 - Automating the Configuration Management and Assessment of Practical Outcomes in Computer Networking Laboratories (Presenter: Warren Earle, United Kingdom)</p> <p>61 - Quality Scale for Rubric based Evaluation in Capstone Project of Computer Science (Presenter: Zeeshan Haider Malik, Pakistan)</p> <p>152 - Transfer of Empirical Engineering Knowledge under Technological Paradigm Shift (Presenter: Zuhua Jiang, Xinyu Li, China)</p>	<p>206 - Barriers to Adopting Interoperability Standards for Cyber Threat Intelligence Sharing: An Exploratory Study (Presenter: Nicole Gong, United States)</p> <p>17 - A Survey of Quality of Service (QoS) Protocols and Software-Defined Networks (SDN) (Presenter: Ronak Al-Haddad, United Kingdom)</p> <p>25 - Ambiguity Function Analysis of Frequency Diverse Array Radar Receivers (Presenter: Kwame Opuni-boachie Obour Agyekum, China)</p> <p>51 - WebNSM: A Novel WebRTC Signalling Mechanism for One-to-Many Bi-Directional Video Conferencing (Presenter: Ali Al-Sherbaz, United Kingdom)</p> <p>60 - Developing an Asynchronous Technique to Evaluate the Performance of SDN HP Aruba Switch and OVS (Presenter: Ali Al-Sherbaz, United Kingdom)</p> <p>76 - Small Cells Solution for Enhanced Traffic Handling in LTE-A Networks (Presenter: Raid Sakat, United Kingdom)</p> <p>105 - Differential Cooperative E-health System over Asymmetric Rayleigh-Weibull Fading Channels (Presenter: Sara AlMaeeni, United Arab Emirates)</p> <p>72 - Energy Aware Cluster-Head Selection for Improving Network Life Time in Wireless Sensor Network (Presenter: Faheem Khan, Pakistan)</p>

10 JULY (3:30 pm - 5:30 pm)

PAPER PRESENTATIONS

<p>Session 4: Intelligent Systems Session Chair: Shabnam Sadeghi Esfahlani (Oxford and Cambridge)</p>	<p>Session 5: Machine Learning Session Chair: Jim Chen (Somerville)</p>	<p>Session 6: Communication Systems Session Chair: Ah-Lian Kor (Trinity)</p>
<p>245 - Resource Planning at the Airport (Presenter: Nang Laik Ma, Singapore)</p> <p>412 - MCF: Multi Colour Flicker iOS Application for Brain-Computer Interface Research (Presenter: Artur Szalowski, Ireland)</p> <p>416 - Performance of Map-Reduce using Java-8 Parallel Streams (Presenter: Bruce Lester, United States)</p> <p>422 - Coopetition: The New Age Panacea for Enabling Service Provider Sustainability and Profitability (Presenter: Mohibi Hussain, United Kingdom)</p> <p>232 - Analyzing the Customer Attitude towards an Intention to Receive SMS Marketing via Missed Call Subscription (Presenter: Yumnah Hasan, Pakistan)</p> <p>275 - Using a hierarchical temporal memory cortical algorithm to detect seismic signals in noise (Presenter: Ruggiero Micheletto, Japan)</p>	<p>144 - Extreme Learning Machines in Predicting the Velocity Distribution in Compound Narrow Channels (Presenter: Hossein Bonakdari, Canada)</p> <p>215 - Deep Learning based Classification System for Identifying Weeds using High-Resolution UAV Imagery (Presenter: Mamadou Dian Bah, France)</p> <p>259 - Recognition of Heart Murmur based on Machine Learning and Visual based Analysis of Phonocardiography (Presenter: Khaled Rjoob, Egypt)</p> <p>497 - Activity Recognition From Multi-Modal Sensor Data using a Deep Convolutional Neural Network (Presenter: Aboozar Taherkhani, United Kingdom)</p> <p>159 - Rice Classification using Scale Conjugate Gradient (SCG) Backpropagation Model and Inception V3 Model (Presenter: Zahida Parveen, Pakistan)</p> <p>197 - A Machine Learning Approach to Analyze and Reduce Features to a Significant Number for Employee's Turn Over Prediction Model (Presenter: Karishma Mohiuddin, Bangladesh)</p>	<p>195 - Performance Evaluation of Resources Management in WebRTC for a Scalable Communication (Presenter: Ali Al-Sherbaz, United Kingdom)</p> <p>256 - qCB-MAC: QoS Aware Cluster-Based MAC Protocol for VANETs (Presenter: Mehmet Serdar Ufuk Türel, Turkey)</p> <p>279 - Error Reconciliation with Turbo Codes for Secret Key Generation in Vehicular Ad Hoc Networks (Presenter: Dhouha Kbaier, United Kingdom)</p> <p>280 - Enumeration and Applications of Spanning Trees in Book Networks with Common Path (Presenter: Raihana Mokhlissi, Morocco)</p> <p>138 - Calculating Minimum Rotation Angle to Find Marked Geographical Locations using Built-in Mobile Sensors (Presenter: Naween Fonseka, Sri Lanka)</p> <p>146 - Performance Evaluation of Sending Location Update Packet to a Locator Identity Split Mapping Infrastructure (Presenter: Avinash Mungur, Mauritius)</p> <p>160 - Power Allocation Scheme using PSO for Amplify and Forward Cooperative Relaying Network (Presenter: Kamarul Ariffin Noordin, Malaysia)</p>

11 JULY (10:30 am - 12:30 pm)

PAPER PRESENTATIONS

<p>Session 7: Data Science Session Chair: Tomer Lancewicki (Oxford and Cambridge)</p>	<p>Session 8: Security Session Chair: Ahmad Ghafarian (Somerville)</p>	<p>Session 9: Communication Systems Session Chair: Thomas Kuhn (Trinity)</p>
<p>23 - Point Cloud Simplification Method using K-NN Estimation and Fuzzy C-Means Clustering Algorithm (Presenter: Abdelaaziz Mahdaoui, Morocco)</p> <p>37 - Applying Data Mining Techniques to Ground Level Ozone (O₃) Data in UAE: A Case Study (Presenter: Faten Kharbat, United Arab Emirates)</p> <p>182 - Generating Social Relationships from Relational Databases for Graph Database Creation and Social Business Intelligence Management (Presenter: Frank S.C. Tseng, Taiwan)</p> <p>39 - Data Mining Approach to Chronic Kidney Disease with Different Statistical Perspectives as a Solution to Disease Severity in North-Central Province, Sri Lanka (Presenter: Weera Hennadige Saumya Dilshani Gunarathne, Sri Lanka)</p> <p>81 - Online Creativity Modeling and Analysis based on Big Data of Social Networks (Presenter: Anastasia Khorina, Russia)</p> <p>109 - Single Document Extractive Text Summarization using Neural Networks and Genetic Algorithm (Presenter: Niladri Chatterjee, India)</p> <p>115 - A Framework for Feature Extraction and Ranking for Opinion Making from Online Reviews (Presenter: Usman Qamar, Pakistan)</p>	<p>16 - Ternary Computing to Strengthen Cybersecurity (Presenter: Bertrand Cambou, United States)</p> <p>18 - A Novel Spatial Domain Semi-fragile Steganography Algorithm and Authentication Method (Presenter: Anastasios Bakaoukas, United Kingdom)</p> <p>29 - Towards Personalised, DNA Signature Derived Music via the Short Tandem Repeats (STR) (Presenter: Tirthankar Paul, Finland)</p> <p>74 - Forensics Data Recovery of Skype Communication from Physical Memory (Presenter: Ahmad Ghafarian, United States)</p> <p>78 - Looking through your Smartphone Screen to Steal your Pin using a 3D Camera (Presenter: Vir V. Phoha, United States)</p> <p>40 - SEAMS: A Symmetric Encryption Algorithm Modification System to Resist Power based Side Channel Attacks (Presenter: Kavinga Yapa Abeywardena, Sri Lanka)</p>	<p>344 - Digital Chunk Processing with Orthogonal GFDM Doubles Wireless Channel Capacity (Presenter: Ali Al-Sherbaz, United Kingdom)</p> <p>347 - Model of Maturity of Communication Processes in Human Capital Management in an Organisation (Presenter: Andrzej Sołtysik, Poland)</p> <p>372 - Behavior of Organizational Agents on Managing Information Technology (Presenter: Mark Van Der Pas, Netherlands)</p> <p>390 - Expanded Algorithm for Inertial Navigation (Presenter: Patrick Henaff, France)</p> <p>529 - Measuring the Effectiveness of TCP Technique for Event Sequence Test Cases (Presenter: Johanna Ahmad, Malaysia)</p> <p>361 - PD Controller for Resilient Packet Ring Networks (Presenter: Fahd Alharbi, Saudi Arabia)</p> <p>365 - Visual Meaningful Encryption Scheme using Intertwining Logistic Map (Presenter: Saadullah Abbasi, Pakistan)</p>

11 JULY (1:30 pm - 3:30 pm)

PAPER PRESENTATIONS

<p>Session 10: Data Science Session Chair: Tomer Lancewicki (Oxford and Cambridge)</p>	<p>Session 11: Security Session Chair: Bertrand Cambou (Somerville)</p>	<p>Session 12: Communication Systems Session Chair: Thomas Kuhn (Trinity)</p>
<p>184 - Improved Classification Method for Detecting the Potential Interactions between Genes (Presenter: Cheng-Hong Yang, Taiwan)</p> <p>192 - Decision Tree-based Anonymized Electronic Health Record Fusion for Public Health Informatics (Presenter: Fatima Khalique, Pakistan)</p> <p>198 - Using Computational Creativity Concepts to Decide Parameter Values During Clustering (Presenter: Andrés Gómez De Silva Garza, Mexico)</p> <p>210 - Overlapped Hashing: A Novel Scalable Blocking Technique for Entity Resolution in Big-Data Era (Presenter: Rana Khalil, Saudi Arabia)</p> <p>378 - A New Clustering Algorithm based on Graph Connectivity (Presenter: Liang-Hung Lu, Taiwan)</p> <p>405 - An Interacting Decision Support System to Determine a Group-Member's Role using Automatic Behaviour Analysis (Presenter: Basma AlKadhi, Saudi Arabia)</p> <p>491 - Data-Driven Pattern Identification and Outlier Detection in Time Series (Presenter: Abdolrahman Khoshrou, Netherlands)</p>	<p>189 - An Intelligent Path towards Fast and Accurate Attribution (Presenter: Jim Chen, United States)</p> <p>293 - Survey of Automated Vulnerability Detection and Exploit Generation Techniques in Cyber Reasoning Systems (Presenter: Teresa Brooks, United States)</p> <p>296 - Managing Privacy through Key Performance Indicators when Photos and Videos are shared via Social Media (Presenter: Srinivas Madhisetty, Australia)</p> <p>327 - Incentivizing Blockchain Miners to Avoid Dishonest Mining Strategies by a Reputation-Based Paradigm (Presenter: Mehrdad Nojournian, United States)</p> <p>474 - A Blockchain-based Decentralized System for Proper Handling of Temporary Employment Contracts (Presenter: Simona Ibba, Italy)</p> <p>93 - The Impact of Social Networks on Students' Electronic Privacy in Saudi Arabia Society (Presenter: Nabih Abdelmajid, Saudi Arabia)</p> <p>164 - Comparison of Different Types of ANNs for Identification of Vulnerable Web Components (Presenter: Mahmoud Elish, Kuwait)</p> <p>70 - A Light Weight Cryptographic Solution for 6LoWPAN Protocol Stack (Presenter: Gaurav Bansod, India)</p>	<p>451 - Classification and Analyses of Tendencies of Prior Published Research Studies on Unmanned Aerial Vehicles (Presenter: Il-Kyu Ha, South Korea)</p> <p>466 - Interference and Channel Quality based Channel Assignment for Cognitive Radio Networks (Presenter: Manish Wadhwa, United States)</p> <p>476 - Super Adaptive Routing Protocol for Mobile Ad hoc Networks (Presenter: Firas Al-Turaihi, United Kingdom)</p> <p>480 - Multi-Hop Hierarchical Routing based on the Node Health Status in Wireless Sensor Network (Presenter: Anhar Anhar, United Kingdom)</p> <p>507 - TCP-MAC Cross Layer Integration for Xor Network Coding (Presenter: Khaled Alferaidi, United Kingdom)</p> <p>514 - Rotating Signal Point Shape Code (Presenter: Janak Sodha, Barbados)</p> <p>432 - In-body Antenna for Wireless Capsule Endoscopy at MICS Band (Presenter: Md. Rasedul Islam, Khondaker Abdul Mazed, Bangladesh)</p>

11 JULY (3:45 pm - 6:00 pm)

PAPER PRESENTATIONS

<p>Session 13: Intelligent Systems Session Chair: Tomer Lancewicki (Oxford and Cambridge)</p>	<p>Session 14: Security Session Chair: Bertrand Cambou (Somerville)</p>	<p>Session 15: Software Engineering Session Chair: Thomas Kuhn (Trinity)</p>
<p>315 - Real-Time Earthquake Localisation and the Elliptic Correction (Presenter: George Daghli, United Kingdom)</p> <p>443 - Autonomous Flight and Real-time Tracking of Nano Unmanned Aerial Vehicle (Presenter: Shabnam Sadeghi Esfahlani, United Kingdom)</p> <p>447 - Qualitative Spatial Reasoning for Orientation Relations in a 3-D Context (Presenter: Ah-Lian Kor, United Kingdom)</p> <p>252 - Blockchain Time and Heisenberg Uncertainty Principle (Presenter: Ricardo Perez-Marco, France)</p> <p>50 - qBitcoin: A Peer-to-Peer Quantum Cash System (Presenter: Kazuki Ikeda, Japan)</p> <p>482 - Puyuma: Linux-based RTOS experimental platform for constructing self-driving miniature vehicles (Presenter: Ching-Chun Huang, Taiwan)</p> <p>214 - Revised Theoretical Approach of Activity Theory for Human Computer Interaction Design (Presenter: Mohammad Mithun Ahamed, Malaysia)</p>	<p>355 - A BI Solution to Identify Vulnerabilities and Detect Real-Time Cyber-Attacks for an Academic CSIRT (Presenter: Walter Fuertes, Ecuador)</p> <p>362 - Security Metrics for Ethical Hacking (Presenter: Sharifa Alghowinem, Saudi Arabia)</p> <p>379 - Spanning Tree Protocol for Preventing Loops and Saving Energy in Software Defined Networks Along with its Vulnerability and Threat Analyses (Presenter: Aleena Rehman, Farhan Ahmed Siddiqui, Pakistan)</p> <p>408 - Simulations for Deep Random Secrecy Protocol (Presenter: Thibault de Valroger, France)</p> <p>420 - PREDECI Model: An Implementation Guide (Presenter: Washington Luna, Ecuador)</p> <p>462 - SAHCE: Strong Authentication within the Hybrid Cloud Environment (Presenter: Najib EL Kamoun, Morocco)</p> <p>188 - E-Secure: An Automated Behavior based Malware Detection System for Corporate E-mail Traffic (Presenter: Mahendran Achuthan, Sri Lanka)</p>	<p>151 - Automated Scenario-based Evaluation of Embedded Software and System Architectures (Presenter: Thomas Kuhn, Germany)</p> <p>172 - Development Approaches for Mobile Applications: Comparative Analysis of Features (Presenter: Lisandro Delia, Argentina)</p> <p>310 - Using Linked Data Resources to Generate Web Pages based on a BBC Case Study (Presenter: Leila Zemmouchi-Ghomari, Rania Sefsaf, Algeria)</p> <p>425 - Risk Management in Software Engineering: What Still Needs to be Done (Presenter: Tauqeer Hussain, United States)</p> <p>7 - Metrics for Real-time Solutions Design (Presenter: Mostefa Belarbi, Algeria)</p> <p>53 - GGSE-Website Usability Evaluation Framework (Presenter: Iqra Zafar, Pakistan)</p> <p>55 - Measuring Application Stability using Software Stability Assessment Technique (Presenter: Bassey Ekanem, Nigeria)</p> <p>343 - Trade-Off Analysis Among Elicitation Techniques using Simple Additive Weighting Method (Presenter: Shah Nazir, Pakistan)</p>

12 JULY (10:30 am - 12:45 pm)

PAPER PRESENTATIONS

<p>Session 16: Internet of Things Session Chair: Predrag Tomic</p> <p>(Oxford and Cambridge)</p>	<p>Session 17: Image Processing Session Chair: Agata Manolova</p> <p>(Somerville)</p>	<p>Session 18: Machine Learning Session Chair: Kohei Arai</p> <p>(Trinity)</p>
<p>484 - On Programming Models, Smart Middleware, Security and Self-Healing for the Next-Generation Internet-of-Things (Presenter: Predrag Tomic, United States)</p> <p>24 - OPC UA-Integrated Authorization Concept for the Industrial Internet of Things (IIoT) (Presenter: Thomas Gamer, Germany)</p> <p>226 - Intelligent Health Monitoring using Smart Meters (Presenter: Carl Chalmers, United Kingdom)</p> <p>48 - Smart Home: Devices, Applications and their Potential Benefits and Challenges (Presenter: Foziah Gazzawe, United Kingdom)</p> <p>486 - Revisiting Industry 4.0: A New Definition (Presenter: Ahmad Ojra, United Kingdom)</p> <p>136 - Utilizing Smart GPS System for Monitoring and Tracking Vehicles (Presenter: Jamal Sami Shahin, Jordan)</p> <p>393 - Detecting Situations from Heterogeneous Internet of Things Data in Smart City Context (Presenter: SK Alamgir Hossain, Bangladesh)</p> <p>394 - A Secure Key Management Technique through Distributed Middleware for the Internet of Things (Presenter: Tamanna Tabassum, Bangladesh)</p>	<p>104 - Efficient Image Steganography using Adaptive Cryptographic Algorithms (Presenter: Mehnaz Tabassum, Bangladesh)</p> <p>153 - Biometric Image Enhancement, Feature Extraction and Recognition Comprising FFT and Gabor Filtering (Presenter: Mehnaz Tabassum, Bangladesh)</p> <p>174 - Gramatical Facial Expression Recognition with Artificial Intelligence Tools (Presenter: Elena Acevedo, Mexico)</p> <p>358 - Chromaticity Improvement using the MSR Model in Presence of Shadows (Presenter: Alberto Rosales, Mexico)</p> <p>145 - Texture Classification Framework using Gabor Filters and Local Binary Patterns (Presenter: Farhan Riaz, Pakistan)</p> <p>80 - Focused Visualization in Surgery Training and Navigation (Presenter: Anton Ivaschenko, Russia)</p> <p>88 - Using DSP-ASIP for Image Processing Applications (Presenter: Haroon Ur Khan, Pakistan)</p> <p>176 - Mathematical Modeling of Real Time ECG Waveform (Presenter: Shazia Javed)</p>	<p>59 - Deep Time Series Neural Networks and Fluorescence Data Stream Noise Detection (Presenter: James Obert, United States)</p> <p>64 - Optimisation of Hadoop MapReduce Configuration Parameter Settings using Genetic Algorithms (Presenter: Ali Khaleel, United Kingdom)</p> <p>65 - Fast Interpolation and Fourier Transform in High-Dimensional Spaces (Presenter: Michael Hecht, Germany)</p> <p>140 - A Reconfigurable Architecture for Implementing Locally Connected Neural Arrays (Presenter: Jonathan Graham-Harper-Cater, United Kingdom)</p> <p>143 - Hybrid Evolutionary Algorithm based on PSOGA for ANFIS Designing in Prediction of No-deposition Bed Load Sediment Transport in Sewer Pipe (Presenter: Bahram Gharabaghi, Canada)</p> <p>47 - Statistical Learning of Lattice Option Pricing and Traders' Behavior using Ising Spin Model for Asymmetric Information Transitions (Presenter: Prabir Sen, Canada)</p> <p>141 - Minimum Spanning Tree Problem with Single-Valued Trapezoidal Neutrosophic Numbers (Presenter: Said Broumi, Morocco)</p>

12 JULY (1:30 pm - 3:30 pm)

PAPER PRESENTATIONS

<p>Session 19: Intelligent Systems Session Chair: Agata Manolova (Oxford and Cambridge)</p>	<p>Session 20: Image Processing Session Chair: Carl Chalmers (Somerville)</p>	<p>Session 21: Artificial Intelligence Session Chair: Hossein Bonakdari (Trinity)</p>
<p>57 - A Scalable, Low-Cost, and Interactive Shape-Changing Display (Presenter: Ian Walker, United States)</p> <p>373 - Personalized and Intelligent Sleep and Mood Estimation Modules with Web based User Interface for Improving Quality of Life (Presenter: Agata Manolova, Bulgaria)</p> <p>500 - Indoor Air Quality Monitoring (IAQ): A Low-Cost Alternative to CO2 Monitoring in Comparison to an Industry Standard Device (Presenter: Darshana Thomas, United Kingdom)</p> <p>233 - Zipf's Law and the Frequency of Characters or Words of Oracles (Presenter: Xiuli Wang, China)</p> <p>503 - Individual Rationality and Real-World Strategic Interactions: Understanding the Competitive-Cooperative Spectrum (Presenter: Predrag Tosic, United States)</p> <p>41 - On Requirements for Event Processing Network Models using Business Event Modeling Notation (Presenter: Arne Koschel, Germany)</p> <p>333 - Detection of Cut Transition of Video in Transform Domain (Presenter: Jharna Majumdar, Abhishek B R, India)</p>	<p>513 - A Cognitive Framework for Object Recognition with Application to Autonomous Vehicles (Presenter: Jamie Roche, United Kingdom)</p> <p>389 - Optical Flow for Detection of Transitions in Video, Face and Facial Expression (Presenter: Aniketh M, Giridhar N R, India)</p> <p>370 - Image based Diameter Measurement and Aneurysm Detection of the Ascending Aorta (Presenter: Şerife Kaba, Turkey)</p> <p>397 - A Green Printing Method based on Human Perceptual and Color Difference Model (Presenter: Chang Hong Lin, Taiwan)</p> <p>430 - Digital Image Watermarking and Performance Analysis of Histogram Modification based Methods (Presenter: Tanya Koohpayeh Araghi, Iran)</p> <p>382 - Object Recognition using SVM based Bag of Combined Features (Presenter: Fozia Mehboob, Pakistan)</p> <p>230 - EyeHope (A Real Time Emotion Detection Application) (Presenter: Zulfiqar Ali Memon, Pakistan)</p>	<p>428 - A Fuzzy Programming Approach to Solve Stochastic Multi-Objective Quadratic Programming Problems (Presenter: Elshimaa Elgendi, Egypt)</p> <p>493 - A Two Level Hybrid Bees Algorithm for Operating Room Scheduling Problem (Presenter: Lamyia Almaneea, Saudi Arabia)</p> <p>234 - Feature Selection for Bloom's Question Classification in Thai Language (Presenter: Khantharat Anekboon, Thailand)</p> <p>281 - Optimal Design of Fuzzy PID Controller with CS Algorithm for Trajectory Tracking Control (Presenter: Banu Ataşlar-Ayyıldız, Turkey)</p> <p>170 - Application of Principal Components Analysis (PCA) and SVMs for Discharges Radiated Fields Discrimination (Presenter: Mohamed Gueraichi, Algeria)</p> <p>282 - Artificial Neural Network (ANN) Modeling of Reservoir Operation at Kainji Hydropower Dam, Nigeria (Presenter: Bolaji Sule, Nigeria)</p> <p>277 - Improved Training for Self Training by Confidence Assessments (Presenter: Dor Bank, Israel)</p>

12 JULY (3:45 pm - 5:15 pm)

PAPER PRESENTATIONS

<p>Session 22: Intelligent Systems Session Chair: Predrag Tosic (Oxford and Cambridge)</p>	<p>Session 23: Robotics Session Chair: Kohei Arai (Somerville)</p>	<p>Session 24: Artificial Intelligence Session Chair: Hossein Bonakdari (Trinity)</p>
<p>339 - A Collusion Set Detection in Value Added Tax using Benford's Analysis (Presenter: Priya Ms, India)</p> <p>377 - Adaptive Piecewise and Symbolic Aggregate Approximation as an Improved Representation Method for Heat Waves Detection (Presenter: Aida Ferreira, Brazil)</p> <p>304 - Fighting Apparent Losses in Metering Systems through Combination of Meter Abstraction and Digital Object Architecture (Presenter: Desire Ngabo, Rwanda)</p> <p>62 - Multimodal Attention for Visual Question Answering (Presenter: Lorena Kodra, Albania)</p> <p>502 - The Application and Use of Information Technology Governance at the University Level (Presenter: Mayra Oñate, Ecuador)</p> <p>400 - Modeling Race-Tracking Variability of Resin Rich Zones on 90° <Degree> Composite 2.2 Twill Fibre Curve Plate (Presenter: Spiridon Koutsonas, United Kingdom)</p>	<p>421 - A Survey on Trust in Autonomous Systems (Presenter: Shervin Shahrdar, United States)</p> <p>79 - Birds Control in Farmland using Swarm of UAVs: A Behavioural Model Approach (Presenter: Chika Yinka-Banjo, Nigeria)</p> <p>221 - A Review of Path Smoothness Approaches for Non-holonomic Mobile Robots (Presenter: Iram Noreen, Pakistan)</p> <p>283 - Design and Implementation of Bluetooth Controlled Painting Robot for Auto Industry (Presenter: Ayesha Iqbal, Pakistan)</p> <p>494 - An Energy Efficient Coverage Path Planning Approach for Mobile Robots (Presenter: Amna Khan, Pakistan)</p> <p>522 - SOAP-based Web Service for Localization of Multi-Robot System in Cloud (Presenter: Hayet Tlijani, Tunisia)</p>	<p>147 - Emerging Structures from Artisanal Transports System: An Agent based Approach (Presenter: Léa Wester, France)</p> <p>288 - Research on Mongolian-Chinese Machine Translation Annotated with Gated Recurrent Unit Part of Speech (Presenter: Wanwan Liu, China)</p> <p>220 - The Research on Mongolian and Chinese Machine Translation based on CNN Numerals Analysis (Presenter: Nier Wu, Yila Su, China)</p> <p>351 - Vocally Specified Text Recognition in Natural Scenes for the Blind and Visually Impaired (Presenter: Alhanouf Alnasser, Saudi Arabia)</p> <p>6 - User Centric Mobile based Decision-Making System using Natural Language Processing (NLP) and Aspect based Opinion Mining (ABOM) Techniques for Restaurant Selection (Presenter: Chirath Kumarasiri, Sri Lanka)</p> <p>496 - A Computational Investigation of the Role of Ion Gradients in Signal Generation in Neurons (Presenter: Seyed-Ali Sadegh-Zadeh, United Kingdom)</p>