CONFERENCCE AGENDA

DAY 1 (10 JULY)
8:00 am - 9:00 am  Delegates Check-in
9:00 am - 11:00 am  CONFERENCE OPENING
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 - 3:30 pm  PAPER PRESENTATIONS
3:30 pm - 5:30 pm  Networking Break
6:00 pm onwards  Evening London Tour

DAY 2 (11 JULY)
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)
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 (11:00 am - 11:30 pm)
PROJECT DEMONSTRATIONS

68 - Music4D: Audio Solution for Virtual Reality (Presenter: Shu-Nung Yao, Taiwan)
457 - c3d.io: Enabling STEAM (Science, Technology, Engineering, Arts, Mathematics) Education with Virtual Reality (Presenter: Jason Madar, Canada)

10 JULY (11:30 am - 12:00 pm)
POSTER PRESENTATIONS

45 - Password Input Method using Simple Device (Presenter: Manabu Okamoto, Miyu Shibata, Reina Momose, Japan)
135 - Detection of Prolonged Stress in Smart Office (Presenter: Elena Vildjiounaite, Finland)
154 - An Efficient NTRU-based Authentication Protocol in IoT Environment (Presenter: YoungHo Park, South Korea)
162 - Pain Evaluation using Analgesia Nociception Index during Surgical Operation (Presenter: Jiann-Shing Shieh, Taiwan)
243 - Kernel Matrix Regularization via Shrinkage Estimation (Presenter: Tomer Lancewicki, United States)
329 - Single Image based Random-Value Impulse Noise Level Estimation Algorithm (Presenter: Long Bao, United States)
403 - Computer Graphics based Approach as an Aid to Analyze Mechanics of the Replaced Knee (Presenter: Ahmed Imran, United Arab Emirates)
453 - Efficient Set-Bit Driven Shift-Add Binary Multiplier (Presenter: Evelyn Sowells-Boone, United States)
470 - Estimation of Stress Condition of Children by Nasal Skin Temperature (Presenter: Madoka Suzuki, Japan)
473 - Private Collaborative Business Benchmarking in the Cloud (Presenter: Amjad Fayoumi, United Kingdom)
338 - Hybrid Vehicular Network System for the Malfunctioned Vehicles over Highways (Presenter: Labeeb Mohammed, Sudan)
186 - Automated Inner Limiting Membrane Segmentation in OCT Retinal Images for Glaucoma Detection (Presenter: Aneeqa Ramzan, Pakistan)
340 - International Cyber AttackersEyeing Eastern India: Odisha (Presenter: Bhaswati Sahoo, India)
532 - Mobile Phone Operations Just by Sight and its Applications (Presenter: Kohei Arai, Japan)
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<th>Session 2: e-Learning</th>
<th>Session 3: Communication Systems</th>
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<td>Session Chair: Jim Chen (Oxford and Cambridge)</td>
<td>Session Chair: Shabnam Sadeghi Esfahlani (Somerville)</td>
<td>Session Chair: Ah-Lian Kor (Trinity)</td>
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### Paper Presentations

#### Session 1: Artificial Intelligence

1. **353 - Text Categorization for Authorship Attribution in English Poetry** (Presenter: Yanjun Li, United States)
2. **132 - Dynamic Control of Explore/Exploit Trade-Off in Bayesian Optimization** (Presenter: Edward Pyzer-Knapp, United Kingdom)
3. **452 - A Bayesian Approach for Analyzing the Dynamic Relationship between Quarterly and Monthly Economic Indicators** (Presenter: Koki Kyo, Japan)
4. **165 - Automatic Web-based Question Answer Generation System for Online Feebale New-Born Chatbot** (Presenter: Sameera Abdul-Kader, United Kingdom)
5. **75 - Optimal Moore Neighborhood Approach of Cellular Automaton based Pedestrian Movement: A Case Study on the Closed Area** (Presenter: Fadratul Hafinaz Hassan, Malaysia)
6. **205 - Classical, Rule-Based and Fuzzy Methods in Multi-Criteria Decision Analysis (MCDA) for Life Cycle Assessment** (Presenter: Andrzej Maciol, Poland)
7. **202 - Chatbot: Efficient and Utility-based Platform** (Presenter: Sonali Chandel, China)

#### Session 2: e-Learning

1. **263 - Role of Digital Fluency and Spatial Ability in Student Experience of Online Learning Environments** (Presenter: Tatiana Tchoubat, United States)
2. **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)
3. **407 - Using Cyber Competitions to Build a Cyber Security Talent Pipeline and Skilled Workforce** (Presenter: Robert Cherinka, United States)
4. **410 - Practical Security for Electronic Examinations on Students’ Devices** (Presenter: Bastian Küppers, Germany)
5. **455 - Automating the Configuration Management and Assessment of Practical Outcomes in Computer Networking Laboratories** (Presenter: Warren Earle, United Kingdom)

#### Session 3: Communication Systems

1. **206 - Barriers to Adopting Interoperability Standards for Cyber Threat Intelligence Sharing: An Exploratory Study** (Presenter: Nicole Gong, United States)
2. **17 - A Survey of Quality of Service (QoS) Protocols and Software-Defined Networks (SDN)** (Presenter: Ronak Al-Haddad, United Kingdom)
3. **25 - Ambiguity Function Analysis of Frequency Diverse Array Radar Receivers** (Presenter: Kwame Opuni-Boachie Obour Agyekum, China)
4. **51 - WebNSM: A Novel WebRTC Signalling Mechanism for One-to-Many Bi-Directional Video Conferencing** (Presenter: Ali Al-Sherbaz, United Kingdom)
5. **60 - Developing an Asynchronous Technique to Evaluate the Performance of SDN HP Aruba Switch and OVS** (Presenter: Ali Al-Sherbaz, United Kingdom)
6. **76 - Small Cells Solution for Enhanced Traffic Handling in LTE-A Networks** (Presenter: Raid Sakat, United Kingdom)
7. **105 - Differential Cooperative E-health System over Asymmetric Rayleigh-Weibull Fading Channels** (Presenter: Sara AlMaeeni, United Arab Emirates)
### 10 JULY (3:30 pm - 5:30 pm)

**PAPER PRESENTATIONS**

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- **245 - Resource Planning at the Airport** (Presenter: Nang Laik Ma, Singapore)
- **412 - MCF: Multi Colour Flicker iOS Application for Brain-Computer Interface Research** (Presenter: Artur Szalowski, Ireland)
- **416 - Performance of Map-Reduce using Java-8 Parallel Streams** (Presenter: Bruce Lester, United States)
- **422 - Coopetition: The New Age Panacea for Enabling Service Provider Sustainability and Profitability** (Presenter: Mohibi Hussain, United Kingdom)
- **232 - Analyzing the Customer Attitude towards an Intention to Receive SMS Marketing via Missed Call Subscription** (Presenter: Yumnah Hasan, Pakistan)
- **275 - Using a hierarchical temporal memory cortical algorithm to detect seismic signals in noise** (Presenter: Ruggero Micheletto, Japan)
- **144 - Extreme Learning Machines in Predicting the Velocity Distribution in Compound Narrow Channels** (Presenter: Hossein Bonakdari, Canada)
- **215 - Deep Learning based Classification System for Identifying Weeds using High-Resolution UAV Imagery** (Presenter: Mamadou Dian Bah, France)
- **259 - Recognition of Heart Murmur based on Machine Learning and Visual based Analysis of Phonocardiography** (Presenter: Khaled Rjoob, Egypt)
- **497 - Activity Recognition From Multi-Modal Sensor Data using a Deep Convolutional Neural Network** (Presenter: Aboozar Taherkhani, United Kingdom)
- **159 - Rice Classification using Scale Conjugate Gradient (SCG) Backpropagation Model and Inception V3 Model** (Presenter: Zahida Parveen, Pakistan)
- **197 - A Machine Learning Approach to Analyze and Reduce Features to a Significant Number for Employee’s Turn Over Prediction Model** (Presenter: Karishma Mokhuddin, Bangladesh)
- **195 - Performance Evaluation of Resources Management in WebRTC for a Scalable Communication** (Presenter: Ali Al-Sherbaz, United Kingdom)
- **256 - qCB-MAC: QoS Aware Cluster-Based MAC Protocol for VANETs** (Presenter: Mehmet Serdar Uluk Tureli, Turkey)
- **279 - Error Reconciliation with Turbo Codes for Secret Key Generation in Vehicular Ad Hoc Networks** (Presenter: Dhouha Kbaier, United Kingdom)
- **280 - Enumeration and Applications of Spanning Trees in Book Networks with Common Path** (Presenter: Raihana Mokhlissi, Morocco)
- **138 - Calculating Minimum Rotation Angle to Find Marked Geographical Locations using Built-in Mobile Sensors** (Presenter: Naween Fonseka, Sri Lanka)
- **146 - Performance Evaluation of Sending Location Update Packet to a Locator Identity Split Mapping Infrastructure** (Presenter: Avinash Mungur, Mauritius)
- **160 - Power Allocation Scheme using PSO for Amplify and Forward Cooperative Relaying Network** (Presenter: Kamarul Ariffin Noordin, Malaysia)
### 11 JULY (10:30 am - 12:30 pm)

**PAPER PRESENTATIONS**

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<tr>
<td>23 - Point Cloud Simplification Method using K-NN Estimation and Fuzzy C-Means Clustering Algorithm (Presenter: Abdelaaziz Mahdaoui, Morocco)</td>
<td>16 - Ternary Computing to Strengthen Cybersecurity (Presenter: Bertrand Cambou, United States)</td>
<td>344 - Digital Chunk Processing with Orthogonal GFDM Doubles Wireless Channel Capacity (Presenter: Ali Al-Sherbaz, United Kingdom)</td>
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<tr>
<td>37 - Applying Data Mining Techniques to Ground Level Ozone (O₃) Data in UAE: A Case Study (Presenter: Faten Kharbat, United Arab Emirates)</td>
<td>18 - A Novel Spatial Domain Semi-fragile Steganography Algorithm and Authentication Method (Presenter: Anastasios Bakaoukas, United Kingdom)</td>
<td>347 - Model of Maturity of Communication Processes in Human Capital Management in an Organisation (Presenter: Andrzej Sołtysik, Poland)</td>
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<tr>
<td>182 - Generating Social Relationships from Relational Databases for Graph Database Creation and Social Business Intelligence Management (Presenter: Frank S.C. Tseng, Taiwan)</td>
<td>29 - Towards Personalised, DNA Signature Derived Music via the Short Tandem Repeats (STR) (Presenter: Tirthankar Paul, Finland)</td>
<td>372 - Behavior of Organizational Agents on Managing Information Technology (Presenter: Mark Van Der Pas, Netherlands)</td>
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<td>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 Dilshan Gunaratne, Sri Lanka)</td>
<td>74 - Forensics Data Recovery of Skype Communication from Physical Memory (Presenter: Ahmad Ghafarian, United States)</td>
<td>390 - Expanded Algorithm for Inertial Navigation (Presenter: Patrick Henaff, France)</td>
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<tr>
<td>81 - Online Creativity Modeling and Analysis based on Big Data of Social Networks (Presenter: Anastasia Khorina, Russia)</td>
<td>78 - Looking through your Smartphone Screen to Steal your Pin using a 3D Camera (Presenter: Vir V. Phoha, United States)</td>
<td>529 - Measuring the Effectiveness of TCP Technique for Event Sequence Test Cases (Presenter: Johanna Ahmad, Malaysia)</td>
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<td>115 - A Framework for Feature Extraction and Ranking for Opinion Making from Online Reviews (Presenter: Usman Qamar, Pakistan)</td>
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<td>365 - Visual Meaningful Encryption Scheme using Intertwining Logistic Map (Presenter: Saadullah Abbasi, Pakistan)</td>
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### Session 10: Data Science  
Session Chair: Tomer Lancewicki  
(Oxford and Cambridge)

- **184** - Improved Classification Method for Detecting the Potential Interactions between Genes  
  (Presenter: Cheng-Hong Yang, Taiwan)

- **192** - Decision Tree-based Anonymized Electronic Health Record Fusion for Public Health Informatics  
  (Presenter: Fatima Khalique, Pakistan)

- **198** - Using Computational Creativity Concepts to Decide Parameter Values During Clustering  
  (Presenter: Andrés Gómez De Silva Garza, Mexico)

- **210** - Overlapped Hashing: A Novel Scalable Blocking Technique for Entity Resolution in Big-Data Era  
  (Presenter: Rana Khalil, Saudi Arabia)

- **378** - A New Clustering Algorithm based on Graph Connectivity  
  (Presenter: Liang-Hung Lu, Taiwan)

- **405** - An Interacting Decision Support System to Determine a Group-Member’s Role using Automatic Behaviour Analysis  
  (Presenter: Basmah AlKadhi, Saudi Arabia)

- **491** - Data-Driven Pattern Identification and Outlier Detection in Time Series  
  (Presenter: Abdolrahman Khoshrou, Netherlands)

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### Session 11: Security  
Session Chair: Bertrand Cambou  
(Somerville)

- **189** - An Intelligent Path towards Fast and Accurate Attribution  
  (Presenter: Jim Chen, United States)

- **293** - Survey of Automated Vulnerability Detection and Exploit Generation Techniques in Cyber Reasoning Systems  
  (Presenter: Teresa Brooks, United States)

- **296** - Managing Privacy through Key Performance Indicators when Photos and Videos are shared via Social Media  
  (Presenter: Srinivas Madhisetty, Australia)

- **327** - Incentivizing Blockchain Miners to Avoid Dishonest Mining Strategies by a Reputation-Based Paradigm  
  (Presenter: Mehrdad Nojoumian, United States)

- **474** - A Blockchain-based Decentralized System for Proper Handling of Temporary Employment Contracts  
  (Presenter: Simona Ibbi, Italy)

- **93** - The Impact of Social Networks on Students’ Electronic Privacy in Saudi Arabia Society  
  (Presenter: Nabih Abdelmajid, Saudi Arabia)

- **164** - Comparison of Different Types of ANNs for Identification of Vulnerable Web Components  
  (Presenter: Mahmoud Elish, Kuwait)

- **70** - A Light Weight Cryptographic Solution for 6LoWPAN Protocol Stack  
  (Presenter: Gaurav Bansod, India)

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### Session 12: Communication Systems  
Session Chair: Thomas Kuhn  
(Trinity)

- **451** - Classification and Analyses of Tendencies of Prior Published Research Studies on Unmanned Aerial Vehicles  
  (Presenter: Il-Kyu Ha, South Korea)

- **466** - Interference and Channel Quality based Channel Assignment for Cognitive Radio Networks  
  (Presenter: Manish Wadhwa, United States)

- **476** - Super Adaptive Routing Protocol for Mobile Ad hoc Networks  
  (Presenter: Firas Al-Turaihi, United Kingdom)

- **480** - Multi-Hop Hierarchical Routing based on the Node Health Status in Wireless Sensor Network  
  (Presenter: Anhar Anhar, United Kingdom)

- **507** - TCP-MAC Cross Layer Integration for Xor Network Coding  
  (Presenter: Khaled Alferaidi, United Kingdom)

- **514** - Rotating Signal Point Shape Code  
  (Presenter: Janak Sodha, Barbados)

- **432** - In-body Antenna for Wireless Capsule Endoscopy at MICS Band  
  (Presenter: Md. Rasedul Islam, Khondaker Abdul Mazed, Bangladesh)
**11 JULY (3:45 pm - 6:00 pm)**

**PAPER PRESENTATIONS**

| Session 13: Intelligent Systems  
Session Chair: Tomer Lancewicki  
(Oxford and Cambridge) | Session 14: Security  
Session Chair: Bertrand Cambou  
(Somerville) | Session 15: Software Engineering  
Session Chair: Thomas Kuhn  
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<tr>
<td>447 - Qualitative Spatial Reasoning for Orientation Relations in a 3-D Context <em>(Presenter: Ah-Lian Kor, United Kingdom)</em></td>
<td>379 - Spanning Tree Protocol for Preventing Loops and Saving Energy in Software Defined Networks Along with its Vulnerability and Threat Analyses <em>(Presenter: Aleena Rehman, Farhan Ahmed Siddiqui, Pakistan)</em></td>
<td>310 - Using Linked Data Resources to Generate Web Pages based on a BBC Case Study <em>(Presenter: Leila Zemmouchi-Ghomari, Rania Sefsaf, Algeria)</em></td>
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<td>482 - Puyuma: Linux-based RTOS experimental platform for constructing self-driving miniature vehicles <em>(Presenter: Ching-Chun Huang, Taiwan)</em></td>
<td>462 - SAHCE: Strong Authentication within the Hybrid Cloud Environment <em>(Presenter: Najib El Kamoun, Morocco)</em></td>
<td>53 - GGSE-Website Usability Evaluation Framework <em>(Presenter: Iqra Zafar, Pakistan)</em></td>
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<td>343 - Trade-Off Analysis Among Elicitation Techniques using Simple Additive Weighting Method <em>(Presenter: Shah Nazir, Pakistan)</em></td>
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### Session 16: Internet of Things
**Session Chair:** Predrag Tosic  
(Oxford and Cambridge)

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<td>484</td>
<td>On Programming Models, Smart Middleware, Security and Self-Healing for the Next-Generation Internet-of-Things</td>
<td>Predrag Tosic, United States</td>
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<td>24</td>
<td>OPC UA-Integrated Authorization Concept for the Industrial Internet of Things (IIoT)</td>
<td>Thomas Gamer, Germany</td>
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<td>226</td>
<td>Intelligent Health Monitoring using Smart Meters</td>
<td>Carl Chalmers, United Kingdom</td>
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<td>48</td>
<td>Smart Home: Devices, Applications and their Potential Benefits and Challenges</td>
<td>Foziah Gazzawe, United Kingdom</td>
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<td>486</td>
<td>Revisiting Industry 4.0: A New Definition</td>
<td>Ahmad Ojra, United Kingdom</td>
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<td>136</td>
<td>Utilizing Smart GPS System for Monitoring and Tracking Vehicles</td>
<td>Jamal Sami Shahin, Jordan</td>
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<td>393</td>
<td>Detecting Situations from Heterogeneous Internet of Things Data in Smart City Context</td>
<td>SK Alamgir Hossain, Bangladesh</td>
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<td>394</td>
<td>A Secure Key Management Technique through Distributed Middleware for the Internet of Things</td>
<td>Tamanna Tabassum, Bangladesh</td>
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### Session 17: Image Processing
**Session Chair:** Agata Manolova  
(Somerville)

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<td>104</td>
<td>Efficient Image Steganography using Adaptive Cryptographic Algorithms</td>
<td>Mehnaz Tabassum, Bangladesh</td>
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<td>153</td>
<td>Biometric Image Enhancement, Feature Extraction and Recognition Comprising FFT and Gabor Filtering</td>
<td>Mehnaz Tabassum, Bangladesh</td>
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<td>174</td>
<td>Gramatical Facial Expression Recognition with Artificial Intelligence Tools</td>
<td>Elena Acevedo, Mexico</td>
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<td>Chromaticity Improvement using the MSR Model in Presence of Shadows</td>
<td>Alberto Rosales, Mexico</td>
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<td>Texture Classification Framework using Gabor Filters and Local Binary Patterns</td>
<td>Farhan Riaz, Pakistan</td>
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<td>Focused Visualization in Surgery Training and Navigation</td>
<td>Anton Ivaschenko, Russia</td>
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<td>Using DSP-ASIP for Image Processing Applications</td>
<td>Haroon Ur Khan, Pakistan</td>
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<td>176</td>
<td>Mathematical Modeling of Real Time ECG Waveform</td>
<td>Shazia Javed</td>
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### Session 18: Machine Learning
**Session Chair:** Kohei Arai  
(Trinity)

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<td>Deep Time Series Neural Networks and Fluorescence Data Stream Noise Detection</td>
<td>James Obert, United States</td>
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<td>Optimisation of Hadoop MapReduce Configuration Parameter Settings using Genetic Algorithms</td>
<td>Ali Khaileel, United Kingdom</td>
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<td>65</td>
<td>Fast Interpolation and Fourier Transform in High-Dimensional Spaces</td>
<td>Michael Hecht, Germany</td>
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<td>140</td>
<td>A Reconfigurable Architecture for Implementing Locally Connected Neural Arrays</td>
<td>Jonathan Graham-Harper-Cater, United Kingdom</td>
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<td>143</td>
<td>Hybrid Evolutionary Algorithm based on PSOGA for ANFIS Designing in Prediction of No-deposition Bed Load Sediment Transport in Sewer Pipe</td>
<td>Bahram Gharabaghi, Canada</td>
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<td>47</td>
<td>Statistical Learning of Lattice Option Pricing and Traders' Behavior using Ising Spin Model for Asymmetric Information Transitions</td>
<td>Prabir Sen, Canada</td>
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<td>141</td>
<td>Minimum Spanning Tree Problem with Single-Valued Trapezoidal Neutrosophic Numbers</td>
<td>Said Broumi, Morocco</td>
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**Session 19: Intelligent Systems**
- 57 - A Scalable, Low-Cost, and Interactive Shape-Changing Display *(Presenter: Ian Walker, United States)*
- 373 - Personalized and Intelligent Sleep and Mood Estimation Modules with Web based User Interface for Improving Quality of Life *(Presenter: Agata Manolova, Bulgaria)*
- 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)*
- 233 - Zipf’s Law and the Frequency of Characters or Words of Oracles *(Presenter: Xiuli Wang, China)*
- 503 - Individual Rationality and Real-World Strategic Interactions: Understanding the Competitive-Cooperative Spectrum *(Presenter: Predrag Tosic, United States)*
- 41 - On Requirements for Event Processing Network Models using Business Event Modeling Notation *(Presenter: Arne Koschel, Germany)*
- 333 - Detection of Cut Transition of Video in Transform Domain *(Presenter: Jharna Majumdar, Abhishek B R, India)*

**Session 20: Image Processing**
- 513 - A Cognitive Framework for Object Recognition with Application to Autonomous Vehicles *(Presenter: Jamie Roche, United Kingdom)*
- 370 - Image based Diameter Measurement and Aneurysm Detection of the Ascending Aorta *(Presenter: Şerife Kaba, Turkey)*
- 397 - A Green Printing Method based on Human Perceptual and Color Difference Model *(Presenter: Chang Hong Lin, Taiwan)*
- 430 - Digital Image Watermarking and Performance Analysis of Histogram Modification based Methods *(Presenter: Tanya Koohpayeh Araghi, Iran)*
- 382 - Object Recognition using SVM based Bag of Combined Features *(Presenter: Fozia Mehmood, Pakistan)*
- 230 - EyeHope (A Real Time Emotion Detection Application) *(Presenter: Zuilqar Ali Memon, Pakistan)*

**Session 21: Artificial Intelligence**
- 428 - A Fuzzy Programming Approach to Solve Stochastic Multi-Objective Quadratic Programming Problems *(Presenter: Elshimaa Elgendi, Egypt)*
- 493 - A Two Level Hybrid Bees Algorithm for Operating Room Scheduling Problem *(Presenter: Lamya Almanea, Saudi Arabia)*
- 234 - Feature Selection for Bloom’s Question Classification in Thai Language *(Presenter: Khandharat Anekboon, Thailand)*
- 281 - Optimal Design of Fuzzy PID Controller with CS Algorithm for Trajectory Tracking Control *(Presenter: Banu Ataşlar-Ayyıldız, Turkey)*
- 170 - Application of Principal Components Analysis (PCA) and SVMs for Discharges Radiated Fields Discrimination *(Presenter: Mohamed Gueraichi, Algeria)*
- 282 - Artificial Neural Network (ANN) Modeling of Reservoir Operation at Kainji Hydropower Dam, Nigeria *(Presenter: Bolaji Sule, Nigeria)*
- 277 - Improved Training for Self Training by Confidence Assessments *(Presenter: Dor Bank, Israel)*
### 12 JULY (3:45 pm - 5:15 pm)

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**339 - A Collusion Set Detection in Value Added Tax using Benford’s Analysis** *(Presenter: Priya Ms, India)*

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