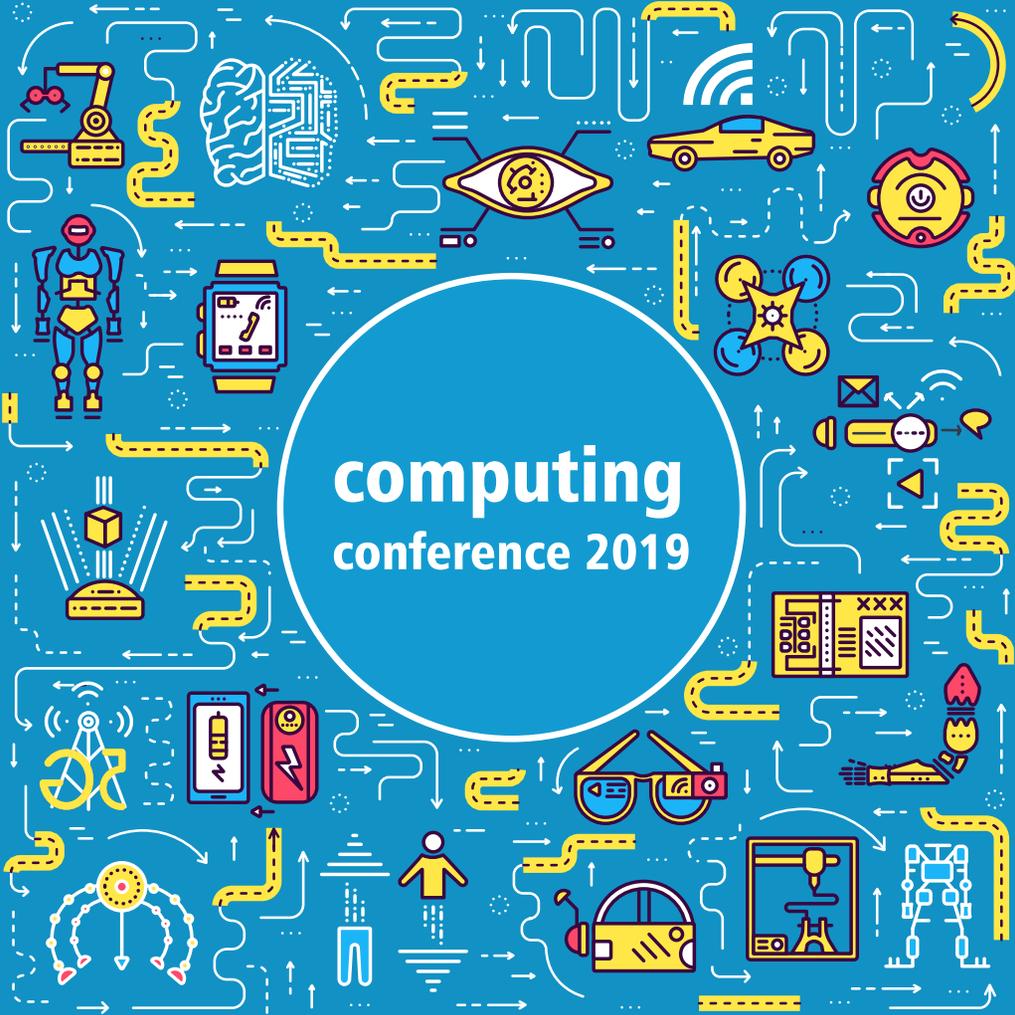


COMPUTING

CONFERENCE 2019

16-17 JULY 2019 | LONDON, UNITED KINGDOM



CONFERENCE AGENDA

CONFERENCE AGENDA

DAY 1 (16th July)

- 8:00 am – 8:30 am **Delegates Check-in**
- 8:30 am – 10:15 am **KEYNOTE TALKS**
Deming Chen, University of Illinois
Philip Torr, University of Oxford
- 10:15 am – 10:45 am **POSTER PRESENTATIONS/ NETWORKING BREAK**
- 10:45 am - 12:45 pm **PAPER PRESENTATIONS**
Session 1 - Data Science
Session 2 - Image Processing
Session 3 - Healthcare Applications
- 12:45 pm – 1:30 pm **LUNCH**
- 1:30 pm – 3:30 pm **PAPER PRESENTATIONS**
Session 4 - Data Science
Session 5 - Software Engineering
Session 6 - Intelligent Systems
- 3:30 pm - 3:45 pm **NETWORKING BREAK**
- 3:45 pm – 6:00 pm **PAPER PRESENTATIONS**
Session 7 - Ambient Intelligence
Session 8 - Computing
Session 9 - Intelligent Systems
- 6:00 pm - 10:00 pm **EVENING LONDON TOUR**

DAY 2 (17th July)

- 8:00 am – 8:30 am **Delegates Arrive**
- 8:30 am – 10:15 am **KEYNOTE TALKS**
Nikola Šerbedžija, iTETA Consulting
Roger Whitaker, Cardiff University
- 10:15 am – 10:45 am **POSTER PRESENTATIONS/ NETWORKING BREAK**
- 10:45 am – 12:45 pm **PAPER PRESENTATIONS**
Session 10 - Communications
Session 11 - Machine Learning
Session 12 - Security and Privacy
- 12:45 pm – 1:30 pm **LUNCH**
- 1:30 pm – 3:30 pm **PAPER PRESENTATIONS**
Session 13 - e-Learning
Session 14 - Machine Learning
Session 15 - Security and Privacy
- 3:30 pm – 3:45 pm **NETWORKING BREAK**
- 3:45 pm – 5:45 pm **PAPER PRESENTATIONS**
Session 16 - Communications
Session 17 - Machine Learning
Session 18 - Security and Privacy
- 5:45 pm – 6:00 pm **CLOSING CEREMONY**

16th & 17th July 2019 (10:15 am - 10:45 pm)

POSTER PRESENTATIONS

- 1 - Straight Line Detection through Sub-pixel Hough Transform (Presenter: [Guillermo Bergues](#))
- 3 - Microcontroller-based Speed Control using Sliding Mode Control in Synchronize Reluctance Motor (Presenter: [Wei-Lung Mao](#))
- 12 - A Breath Switch for Secure Password Input (Presenter: [Manabu Okamoto](#), [Natsuki Sayama](#), [Naoka Komatsu](#), [Kana Sawanobori](#))
- 17 - Don't Sweat It: Mobile Instruments for Clinical Diagnosis (Presenter: [Hellema Ibrahim](#))
- 18 - Technical Analysis Toolkit for Neural Networks in Finance and Investing (Presenter: [Shu-Nung Yao](#))
- 23 - Computer Graphics based Analysis of Loading Patterns in the Anterior Cruciate Ligament of the Human Knee (Presenter: [Ahmed Imran](#))
- 86 - Gesture Recognition using an EEG Sensor and an ANN Classifier for Control of a Robotic Manipulator (Presenter: [Rocio Alba-Flores](#))
- 104 - An Eye Tracking Study: What Influences Our Visual Attention on Screens? (Presenter: [Arwa Mashat](#))
- 187 - Sports Vision based Tennis Player Training (Presenter: [Kohei Arai](#))
- 215 - No-Reference Image Quality Assessment Based on Multi-scale Convolutional Neural Networks (Presenter: [Dong Huang](#))
- 276 - Motion Detection with IoT-based Home Security System (Presenter: [Nur Syazreen Ahmad](#))
- 360 - A Simple Parameter Estimation Method for Permanent Synchronous Magnet Motors (Presenter: [Dongmyung Lee](#))
- 368 - A Bug-inspired Algorithm for Obstacle Avoidance of a Nonholonomic Wheeled Mobile Robot with Constraints (Presenter: [Nur Syazreen Ahmad](#))
- 395 - Obstacle Avoidance Strategy for Wheeled Mobile Robots with a Simplified Artificial Potential Field (Presenter: [Nur Syazreen Ahmad](#))
- 411 - Immersive Analytics through HoloSENAI MOTOR (Presenter: [Alexandra Okada](#))
- 457 - Explainable Artificial Intelligence Applications in NLP, Biomedical, and Malware Classification: A Literature Review (Presenter: [Sherin Mathews](#))
- 427 - Frequent Flyer Classification through Electronic Health Record Analysis (Presenter: [Duncan Wallace](#))

EVENING LONDON TOUR ON 16th July!

6:00 pm - 8:00 pm: Panoramic coach tour seeing Hyde Park Corner, Big Ben and the Houses of Parliament, Whitehall, Trafalgar Sq, The Strand

8:00 pm - 10:00 pm: Stopover at Covent Garden (has great dining options - delegates to pay on their own)

10 pm: Disembark and Transfer back to the conference venue



16th July 2019 (10:45 am - 12:45 pm)

PAPER PRESENTATIONS

<p>Session 1 - Data Science Session Chair: Bertrand Cambou (Room: Primrose Hill 1)</p>	<p>Session 2 - Image Processing Session Chair: Kohei Arai (Room: Primrose Hill 2)</p>	<p>Session 3 - Healthcare Applications Session Chair: Lesley Earle (Room: Primrose Hill 3)</p>
<p>267 - A Modified Cultural Algorithm for Feature Selection of Biomedical Data (Presenter: Sadegh Salesi)</p> <p>417 - A New Arabic Dataset for Emotion Recognition (Presenter: William Teahan)</p> <p>234 - Data Analytics: A Demographic and Socioeconomic Analysis of American Cigarette Smoking (Presenter: Sanela Lazarevski)</p> <p>67 - We Know What You Did Last Sonar: Inferring Preference in Music from Mobility Data (Presenter: Jose Carlos Carrasco)</p> <p>146 - Ensemble of Multiple Classification Algorithms to Predict Stroke Dataset (Presenter: Muna Al Fanah)</p> <p>264 - Designing a System for Integration of Macroeconomic and Statistical Data based on Ontology (Presenter: Olga Korableva)</p> <p>327 - Exploring Scientists' Research Behaviors based on LDA (Presenter: Benji Li)</p> <p>423 - Hybrid of Filters and Genetic Algorithm: Random Forests based Wrapper Approach for Feature Selection and Prediction (Presenter: Usman Qamar)</p>	<p>184 - Exact NMF on Single Images via Reordering of Pixel Entries using Patches (Presenter: Richard Charles)</p> <p>380 - Manual Tool and Semi-Automated Graph Theory Method for Layer Segmentation in Optical Coherence Tomography (Presenter: Dean Sayers)</p> <p>255 - Optimized Grayscale Intervals Study of Leaf Image Segmentation (Presenter: Jianlun Wang, Rina Su)</p> <p>290 - The Software System for Solving the Problem of Recognition and Classification (Presenter: Askar Boranbayev)</p> <p>425 - Vision Monitoring of Half Journal Bearings (Presenter: Iman Abdulwaheed)</p> <p>175 - Color Correction for Stereoscopic Images based on Gradient Preservation (Presenter: Pengyu Liu)</p> <p>193 - Research on Significant Target Detection of Traffic Signs based on Walsh-Hadamard Transform (Presenter: Xiquan Yang)</p> <p>241 - Fast Implementation of Face Detection using LPB Classifier on GPGPUs (Presenter: Mohammad Rafi Sultan Ikbali)</p>	<p>119 - Inducing Clinical Course Variations in Multiple Sclerosis White Matter Networks (Presenter: Aldo Marzullo)</p> <p>315 - Performance Analysis of Feature Selection Methods for Classification of Healthcare Datasets (Presenter: Habiba Muhammad Sani)</p> <p>20 - Towards Explainable AI: Design and Development for Explanation of Machine Learning Predictions for a Patient Readmittance Medical Application (Presenter: Sofia Meacham)</p> <p>165 - The Efficacy of Various Machine Learning Models for Multi-class Classification of RNA-seq Expression Data (Presenter: Sterling Ramroach)</p> <p>102 - Towards a Better Model for Predicting Cancer Recurrence in Breast Cancer Patients (Presenter: Amani Saad)</p> <p>373 - Detection of Distal Radius Fractures Trained by a Small Set of X-ray Images and Faster R-CNN (Presenter: Erez Yahalomi)</p> <p>147 - Cloud-based Skin Lesion Diagnosis System using Convolutional Neural Networks (Presenter: Borko Furht)</p>

16th July 2019 (1:30 pm - 3:30 pm)

PAPER PRESENTATIONS

Session 4 - Data Science Session Chair: Bertrand Cambou (Room: Primrose Hill 1)	Session 5 - Software Engineering Session Chair: Ahmad Ghafarian (Room: Primrose Hill 2)	Session 6 - Intelligent Systems Session Chair: William Teahan (Room: Primrose Hill 3)
<p>51 - An Efficient Density-based Clustering Algorithm using Reverse Nearest Neighbour (Presenter: Stephen Chowdhury)</p> <p>109 - Characterization and Recognition of Proper Tagged Probe Interval Graphs (Presenter: Shamik Ghosh)</p> <p>169 - A Community Discovery Method based on Spectral Clustering and its Possible Application in Audit (Presenter: Jibing Hu)</p> <p>227 - Refinement and Trust Modeling of Spatio-temporal Big Data (Presenter: Lei Zhang)</p> <p>127 - Evolvable Media Repositories: An Evolutionary System to Retrieve and Ever-Renovate Related Media Web Content (Presenter: Marinos Koutsomichalis)</p> <p>160 - A Parallel Distributed Galois Lattice Approach for Data Mining based on a CORBA Infrastructure (Presenter: Abdelfettah Idri)</p> <p>50 - n-means: Adaptive Clustering Microaggregation of Categorical Medical Data (Presenter: Malik Imran Daud)</p>	<p>202 - "STEPS" to STEM (Presenter: Esther Pearson)</p> <p>19 - Virtual Testbeds with Meta-Data Propagation (Presenter: Thomas Kuhn)</p> <p>151 - A Methodology for Performing Meta-analyses of Developers Attitudes towards Programming Practices (Presenter: Thomas Butler)</p> <p>230 - Modelling and Analysis of Partially Stochastic Time Petri Nets using Uppaal Model Checkers (Presenter: Libero Nigro)</p> <p>60 - An Evolutionary Mutation Testing System for Java Programs: eMuJava (Presenter: Muhammad Bilal Bashir)</p> <p>176 - Named Entity Enrichment based on Subject-Object Anaphora Resolution (Presenter: Rabiah Abdul Kadir)</p> <p>7 - Tour de Force: A Software Process Model for Academics (Presenter: Habiba Farzand)</p> <p>77 - Challenges and Mitigation Strategies in Reusing Requirements in Large-Scale Distributed Agile Software Development: A Survey Result (Presenter: Syeda Sumbul Hossain)</p> <p>96 - Harvesting and Informal Representation of Software Process Domain Knowledge (Presenter: Richard Oveh)</p>	<p>232 - An Evaluation of ICT Smart Systems to Reduce the Carbon Footprint (Presenter: Lesley Earle)</p> <p>378 - Achieving a High Level of Open Market-Information Symmetry with Decentralised Insurance Marketplaces on Blockchains (Presenter: Alex Norta)</p> <p>129 - Analysis of Argumentation Skills for Argumentation Training Support (Presenter: Hayato Hirata)</p> <p>348 - Machine Autonomy: Definition, Approaches, Challenges and Research Gaps (Presenter: Chinedu Ezenkwu)</p> <p>37 - Override Control based on NARX Model for Ecuador's Oil Pipeline System (Presenter: Williams Villalba)</p> <p>134 - MatBase E-RD Cycles Associated Non-Relational Constraints Discovery Assistance Algorithm (Presenter: Christian Mancas)</p> <p>156 - Heuristic Search for Tetris: A Case Study (Presenter: Giacomo Da Col)</p>

16th July 2019 (3:45 pm - 6:00 pm)

PAPER PRESENTATIONS

<p>Session 7 - Ambient Intelligence Session Chair: Nikola Serbedzija</p> <p>(Room: Primrose Hill 1)</p>	<p>Session 8 - Computing Session Chair: Niladri Chatterjee</p> <p>(Room: Primrose Hill 2)</p>	<p>Session 9 - Intelligent Systems Session Chair: William Teahan</p> <p>(Room: Primrose Hill 3)</p>
<p>450 - Haptically-Enabled VR-based Immersive Fire Fighting Training Simulator (Presenter: Saeid Nahavandi)</p> <p>26 - Fast Replanning Incremental Shortest Path Algorithm for Dynamic Transportation Networks (Presenter: Wedad Alhoula)</p> <p>126 - A Computational Scheme for Assessing Driving (Presenter: Jose Antonio Romero Navarrete)</p> <p>131 - Secure Information Interaction within a Group of Unmanned Aerial Vehicles based on Economic Approach (Presenter: Iuliia Kim)</p> <p>144 - Logic Gate Integrated Circuit Identification through Augmented Reality and a Smartphone (Presenter: Carlos Aviles-Cruz)</p> <p>431 - A Heuristic Intrusion Detection System for Internet-of-Things (IoT) (Presenter: Ayyaz-UI-Haq Qureshi)</p> <p>298 - An Intelligent Highway Traffic Management System for Smart City (Presenter: Punyasha Chatterjee)</p> <p>445 - A Framework to Evaluate Barrier Factors in IoT Projects (Presenter: Marcel Simonette, Edison Spina)</p> <p>137 - Learning with the Augmented Reality EduPARK Game-like App: Its Usability and Educational Value for Primary Education (Presenter: Lucia Pombo)</p>	<p>367 - An Expert Recommendation Model for Academic Talent Evaluation (Presenter: Feng Sun)</p> <p>400 - A Comparative Study for QSDC Protocols with a Customized Best Solution Approach (Presenter: Ola Hegazy)</p> <p>448 - Fuzzy Sets and Game Theory in Green Supply Chain: An Optimization Model (Presenter: Marwan Alakhras)</p> <p>456 - A Technique to Reduce the Processing Time of Defect Detection in Glass Tubes (Presenter: Gabriele Antonio DE Vitis)</p> <p>158 - Direct N-body Code on Low-power Embedded ARM GPUs (Presenter: David Goz)</p> <p>302 - The Fouriest: High-Performance Micromagnetic Simulation of Spintronic Materials and Devices (Presenter: Ilya Pershin)</p> <p>306 - Consistency in Multi-Device Environments: A Case Study (Presenter: Luis Martin Sanchez Adame)</p> <p>226 - OS Scheduling Algorithms for Improving the Performance of Multithreaded Workloads (Presenter: Suryanarayana Murthy Durbhakula)</p> <p>139 - OS Scheduling Algorithms for Memory Intensive Workloads in Multi-socket Multi-core Servers (Presenter: Suryanarayana Murthy Durbhakula)</p> <p>350 - Towards Energy Efficient Servers' Utilization in Datacenters (Presenter: Assim Saghyroon)</p>	<p>181 - A Comparative Study of the Kinematic Response and Injury Metrics Associated with Adults and Children Impacted by an Auto Rickshaw (Presenter: Ahmed AL Graitti)</p> <p>233 - Similarity Measurement of Handwriting by Alignment of Sequences (Presenter: Balint Molnar, Katalin Erdelyi)</p> <p>272 - Multi-channel Speaker Separation using Speaker-aware Beamformer (Presenter: Conggui Liu)</p> <p>320 - Revisiting Skip-Gram Negative Sampling Model with Rectification (Presenter: Guang Yang)</p> <p>332 - LANA-I: An Arabic Conversational Intelligent Tutoring System for Children with ASD (Presenter: Sumayh Aljameel)</p> <p>389 - A Formal Model for Robot to Understand Common Concepts (Presenter: Yuanxiu Liao)</p> <p>413 - Structure for Knowledge Acquisition, Use, Learning and Collaboration Inter Agents over Internet Infrastructure Domains (Presenter: Juliao Braga)</p> <p>311 - The Space between Worlds: Liminality, Multidimensional Virtual Reality and Deep Immersion (Presenter: Ralph Moseley)</p>

17th July 2019 (10:45 am - 12:45 pm)

PAPER PRESENTATIONS

<p>Session 10 - Communications Session Chair: Kohei Arai (Room: Primrose Hill 1)</p>	<p>Session 11 - Machine Learning Session Chair: Niladri Chatterjee (Room: Primrose Hill 2)</p>	<p>Session 12 - Security and Privacy Session Chair: Nikola Serbedzija (Room: Primrose Hill 3)</p>
<p>24 - Utilise Higher Modulation Formats with Heterogeneous Mobile Networks Increases Wireless Channel Transmission (Presenter: Heba Haboobi)</p> <p>100 - Dynamic Bit Loading with The OGFDM Waveform Maximises Bit-Rate of Future Mobile Communications (Presenter: Mohammad Kadhum)</p> <p>180 - The Two Separate Optical Fibres Approach in Computing with 3NLSE-Domain Optical Solitons (Presenter: Anastasios Bakaoukas)</p> <p>238 - Intra-Channel Interference Avoidance with the OGFDM Boosts Channel Capacity of Future Wireless Mobile Communication (Presenter: Mohammad Kadhum)</p> <p>240 - Decomposition of a Non-stationary Process using Time-Dependent Components (Presenter: Abdullah Alshoshan)</p> <p>54 - Performance Analysis of Square-shaped and Star-shaped Hierarchically Modulated Signals Generated using All-optical Techniques (Presenter: Salman Ghafoor)</p>	<p>269 - Predicting Endogenous Bank Health from FDIC Statistics on Depository Institutions using Deep Learning (Presenter: Dave Jungreis)</p> <p>452 - High Resolution Sentiment Analysis by Ensemble Classification (Presenter: Jordan Bird)</p> <p>83 - Sometimes You Want to Go Where Everybody Knows Your Name (Presenter: Nathaniel Roth)</p> <p>8 - Modelling Stable Alluvial River Profiles using Back Propagation-based Multilayer Neural Networks (Presenter: Hossein Bonakdari)</p> <p>31 - Towards Adaptive Learning Systems based on Fuzzy-Logic (Presenter: Soukaina Ennouamani)</p> <p>291 - Discrimination of Human Skin Burns using Machine Learning (Presenter: Aliyu Abubakar)</p> <p>28 - Novel Recursive Technique for Finding the Optimal Solution of the Nurse Scheduling Problem (Presenter: Samah Senbel)</p> <p>164 - A Novel Ensemble Approach for Feature Selection to Improve and Simplify the Sentimental Analysis (Presenter: Usman Qamar)</p>	<p>244 - Evaluating Machine Learning Models on the Ethereum Blockchain for Android Malware Detection (Presenter: MD Shohel Rana)</p> <p>273 - Blockchain-based Authentication for Network Infrastructure Security (Presenter: Alan Yeung)</p> <p>307 - Blockchain: Analysis of the New Technological Components as Opportunity to Solve the Trust Issues in Supply Chain Management (Presenter: Djamel Khadraoui)</p> <p>6 - Password Manager Combining Hashing Functions and Ternary PUFs (Presenter: Bertrand Cambou)</p> <p>29 - Capabilities of Email Forensic Tools (Presenter: Ahmad Ghafarian)</p> <p>49 - Random Sampling on an High-Dimensional Sphere for Solving SVP* (Presenter: Zhongxiang Zheng)</p> <p>55 - Hybrid Dependencies Between Cyber and Physical Systems (Presenter: Sandra König)</p> <p>420 - Multimodal Biometrics using Features from Face, Iris, and Conjunctival Vasculature (Presenter: Noorjahan Khatoon)</p>

17th July 2019 (1:30 pm - 3:30 pm)

PAPER PRESENTATIONS

<p>Session 13 - e-Learning Session Chair: Nikola Serbedzija (Room: Primrose Hill 1)</p>	<p>Session 14 - Machine Learning Session Chair: Lesley Earle (Room: Primrose Hill 2)</p>	<p>Session 15 - Security and Privacy Session Chair: Bertrand Cambou (Room: Primrose Hill 3)</p>
<p>161 - Knowledge Management System: Designing a Virtual Community of Practice for Higher Education (Presenter: Gabriela Ziegler)</p> <p>262 - The Influence of Online and Traditional Computer Laboratories on Academic Performance of Students (Presenter: Ahmed Ismail)</p> <p>283 - Smart, Social, Flexible and Fun: Escaping the Flatlands of Virtual Learning Environments (Presenter: Mike Brayshaw)</p> <p>300 - Smart Mobile Learning Environment for Programming Education in Nigeria (Presenter: Agbo Friday Joseph)</p> <p>322 - An Integrated Approach for Educating the Marine Forces Reserve Inspector-Instructor Cadre (Presenter: Alejandro Hernandez)</p> <p>384 - Application of Web 2.0 Tools in the Pedagogical Process of Mathematics: A Case Study with Students of Basic Education (Presenter: Diego Avila)</p> <p>406 - Designing an Educational Multimedia System for Supporting Learning Difficulties in Arabic (Presenter: Moutaz Saleh)</p> <p>157 - Strengthening Virtual Learning Environments by Incorporating Modern Technologies (Presenter: Kashif Laeeq)</p> <p>118 - The Promotion of Organisational Learning through the Use of a Learning Management System (Presenter: Chia-Jung Chung)</p>	<p>172 - Concerning Neural Networks Introduction in Possessory Risk Management Systems (Presenter: Mikhail Khachatryan)</p> <p>239 - Size and Alignment Independent Classification of the High-order Spatial Modes of a Light Beam using a Convolutional Neural Network (Presenter: Philip Ji)</p> <p>247 - Automatic Induction of Neural Network Decision Tree Algorithms (Presenter: Chapman Siu)</p> <p>317 - Reinforcement Learning in A Marketing Game (Presenter: Matthew Reyes)</p> <p>274 - Pedestrian-Motorcycle Binary Classification using Data Augmentation and Convolutional Neural Networks (Presenter: Robert Kerwin Billones)</p> <p>328 - Performance Analysis of Missing Values Imputation Methods using Machine Learning Techniques (Presenter: Muna Al Fanah)</p> <p>349 - Evolutionary Optimisation of Fully Connected Artificial Neural Network Topology (Presenter: Jordan Bird)</p> <p>377 - State-of-the-Art Convolutional Neural Networks for Smart Farms: A Review (Presenter: Patrick Gikunda)</p> <p>399 - Neural Networks to Approximate Solutions of Ordinary Differential Equations (Presenter: Georg Engel)</p>	<p>59 - Deep Random based Key Exchange Protocol Resisting Unlimited MITM (Presenter: Thibault de Valroger)</p> <p>88 - Dynamic Password Protocol for User Authentication (Presenter: Channabasava H)</p> <p>93 - Side-channel attacks on the mobile phones: applicability and improvements (Presenter: Daria Sleptsova)</p> <p>97 - Improving Learning Efficiency and Evaluation Fairness for Cyber Security Courses: A Case Study (Presenter: Emin Caliskan)</p> <p>130 - Multi-Confirmations and DNS Graph Mining for Malicious Domain Detection (Presenter: Phuong Vo)</p> <p>142 - On Non-commutative Cryptography with Cubical Multivariate Maps of Predictable Density (Presenter: Vasyl Ustymenko)</p> <p>265 - Evaluation of the Multifactor Authentication Technique for Mobile Applications (Presenter: Yan Wu)</p> <p>58 - Design and Implementation of a Lightweight Encryption Scheme for Wireless Sensor Nodes (Presenter: Rutuja Salunke)</p> <p>208 - A Stealth Key Exchange Protocol (Presenter: Khan Farhan Rafat)</p>

17th July 2019 (3:45 pm - 5:45 pm)

PAPER PRESENTATIONS

<p>Session 16 - Communications Session Chair: Kohei Arai (Room: Primrose Hill 1)</p>	<p>Session 17 - Machine Learning Session Chair: Samah Senbel (Room: Primrose Hill 2)</p>	<p>Session 18 - Security and Privacy Session Chair: Thibault de Valroger (Room: Primrose Hill 3)</p>
<p>461 - Downlink High Quality 72 GHz Millimeter (Presenter: Fawziya Al Wahaibi)</p> <p>462 - Study the Performance of Optical Millimetre Wave based on Carrier Suppressed by using an Inverted Optical Filter (Presenter: Fawziya Al Wahaibi)</p> <p>222 - High-throughput Electronic Band Structure Calculations for Hexaborides (Presenter: Zhenxi Pan)</p> <p>278 - Switched-Current Sampled and Hold Circuit with Digital Noise Cancellation Circuit for 2+2 MASH Modulator (Presenter: Guo-Ming Sung)</p> <p>287 - Towards the Identification of Context in 5G Infrastructures (Presenter: Dimosthenis Kyriazis)</p> <p>250 - Researches on Time-domain Relay Feedback Identification Approaches for High-acceleration Linear Servo Systems (Presenter: Chao Liu)</p> <p>45 - A String Similarity Evaluation for Healthcare Ontologies Alignment to HL7 FHIR Resources (Presenter: Athanasios Kiourtis)</p> <p>115 - The Nigerian E-Waste Problem: Way Forward (Presenter: Victor Adama)</p>	<p>324 - Optimizing Deep Learning Model for Neural Network Topology (Presenter: Sara Alruzaiqi)</p> <p>32 - Detecting Traces of Bullying in Twitter Posts using Machine Learning (Presenter: Harpreet Kaur)</p> <p>162 - Credit Risk Analysis Applying Machine Learning Classification Models (Presenter: Roy Melendez)</p> <p>120 - Aligning Ground Truth Text with OCR Degraded Text (Presenter: Kazem Taghva)</p> <p>351 - Incremental Alignment of Metaphoric Language Model for Poetry Composition (Presenter: Marilena Oita)</p> <p>195 - A Trie based Model for SMS Text Normalization (Presenter: Niladri Chatterjee)</p> <p>418 - Word Topic Prediction Model for Polysemous Words and Unknown Words using a Topic Model (Presenter: Ayahiko Niimi)</p> <p>103 - Improving Usability of Distributed Neural Network Training (Presenter: Nathaniel Grabaskas)</p>	<p>292 - A Doubly-Masked-Ballot Multi-Questions Voting Scheme with Distributed Trust (Presenter: Andras Telcs)</p> <p>301 - Advantages of the PaySim Simulator for Improving Financial Fraud Controls (Presenter: Edgar Alonso Lopez Rojas)</p> <p>304 - Secure Cryptosystem using Randomized Rail Fence Cipher for Mobile Devices (Presenter: Him Kafle)</p> <p>318 - Network Protocol Security: A Linear Bitwise Protocol Transformation (Presenter: Suzanna Schmeelk)</p> <p>329 - Mesh-based Encryption Technique Augmented with Effective Masking and Distortion Operations (Presenter: Raed Abu Zitar)</p> <p>365 - Photos and Tags: A Method to Evaluate Privacy Behavior (Presenter: Roba Darwish)</p> <p>405 - The Analysis of the Socio-Technical Environment (STE) of Online Sextortion using Case Studies and Published Reports from a Cybersecurity Perspective (Presenter: Alexander Cadzow)</p> <p>465 - Lightweight Datapath Implementation of ANU Cipher for Resource-constrained Environments (Presenter: Vijay Dahiphale)</p>