

CONFERENCE AGENDA

DAY 1 (6th September)

- 8:00 am Delegates Check-in
- 8:30 am - 10:30 am **KEYNOTE TALKS**
Michael Gschwind, IBM
Lars Kai Hansen, DTU Compute
- 10:30 am - 12:30 pm **PAPER PRESENTATIONS**
Session 1: Image/Video Processing
Session 2: Ambient Intelligence
Session 3: Intelligent Transportation
Session 4: Artificial intelligence
- 12:30 pm - 1:30 pm Lunch
- 1:30 pm - 3:30 pm **PAPER PRESENTATIONS**
Session 5: Image/Video Processing
Session 6: Ambient Intelligence
Session 7: Deep Learning
Session 8: Artificial intelligence
- 3:30 pm - 4:00 pm **POSTER PRESENTATIONS**
- 4:00 pm - 5:30 pm **PAPER PRESENTATIONS**
Session 9: Natural Language Processing
Session 10: Ambient Intelligence
Session 11: Deep Learning
Session 12: Artificial intelligence
- 6:00 pm - 10:00 pm **EVENING TOUR**

DAY 2 (7th September)

- 9:00 am - 10:30 am **KEYNOTE TALKS**
Peter J. Bentley, Braintree Ltd & UCL
Hugo Pinto, Accenture Digital
- 10:30 am - 11:00 am **PROJECT DEMONSTRATIONS**
Stephen Lernout, Nalantis
Petros Stavroulakis, University of Nottingham
- 11:00 am - 12:30 pm **PAPER PRESENTATIONS**
Session 13: Smart Healthcare
Session 14: Machine Vision
Session 15: Robotics
Session 16: Neural Networks
Session 17: Artificial intelligence
- 12:30 pm - 1:30 pm Lunch
- 1:30 pm - 3:30 pm **PAPER PRESENTATIONS**
Session 18: Smart Healthcare
Session 19: Data Mining
Session 20: Robotics
Session 21: Internet of Things
Session 22: Artificial intelligence
- 3:30 pm - 4:00 pm Networking Break
- 4:00 pm - 5:30 pm **PAPER PRESENTATIONS**
Session 23: Smart Healthcare
Session 24: Machine Vision
Session 25: Data Mining
Session 26: Internet of Things
Session 27: Artificial intelligence
- 5:30 pm - 6:00 pm Conference Closing

KEYNOTE SPEAKERS



Michael Gschwind

IBM T.J. Watson Research Center

6th September | 8:45 am - 9:15 am



Lars Kai Hansen

DTU Compute

6th September | 9:30 am - 10:00 am



Peter Bentley

Braintree Ltd & UCL

7th September | 9:15 am - 9:45 am



Hugo Pinto

Accenture

7th September | 9:45 am - 10:15 am

6th September (10:30 am - 12:30 pm)

PAPER PRESENTATIONS

Session 1: Image/Video Processing Session Chair: Amanda Peart (Ludgate Suite)	Session 2: Ambient Intelligence Session Chair: Kohei Arai (Walbrook Suite)	Session 3: Intelligent Transportation Session Chair: David Sanders (Fleet Suite)	Session 4: Artificial Intelligence Session Chair: Mohamed Kashkoush (Aldgate/Bishopsgate Suite)
<p>237 - Region-based Poisson Blending for Image Repairing (Presenter: Wen-Jiin Tsai)</p> <p>297 - Modified Radial Basis Function and Orthogonal Bipolar Vector for better performance of pattern recognition (Presenter: Camila Santos)</p> <p>381 - Video Detection for Dynamic Fire Texture by using Motion Pattern Recognition (Presenter: Kanoksak Wattanachote)</p> <p>395 - Investigating Input Protocols, Image Analysis, and Machine Learning Methods for An Intelligent Identification System of Fusarium oxysporum sp. In Soil Samples (Presenter: Andrei D. Coronel, Maria Regina E. Estuar, Marlene M. De Leon)</p> <p>439 - Kinect-based Frontal View Gait Recognition using Support Vector Machine (Presenter: Nooritawati MD Tahir)</p> <p>14 - Using Motion Detection and Facial Recognition to Secure Places of High Security: A Case Study at Banking Vaults of Ghana (Presenter: Edward Owusu-Adjei)</p> <p>74 - A Gaussian-median filter for Moving Objects Segmentation applied for Static Scenarios (Presenter: Alberto jorge Rosales)</p>	<p>174 - Addressing the problem of Activity Recognition with Experience Sampling and Weak Learning (Presenter: William Duffy)</p> <p>106 - Improved Multi-hop Localization Algorithm with Network Division (Presenter: Wei Zhao)</p> <p>53 - Intelligent Recognition of Activities of Daily Living from Patterns of Object Use (Presenter: Isibor Ihianle)</p> <p>119 - Public key and digital signature for blockchain technology (Presenter: Elena Zavalishina)</p> <p>158 - Research on the degradation of Indian Regional Navigation Satellite System based on STK (Presenter: Shaochi Cheng)</p> <p>52 - The Application of a Semantic-Based Process Mining Framework on a Learning Process Domain (Presenter: Kingsley OKOYE)</p> <p>70 - Performance Modeling and Analysis of the IEEE 802.11 EDCAF for VANETs (Presenter: A. F. M. Shahan Shah)</p>	<p>61 - Sharing driving between a vehicle driver and a sensor system using trust-factors to set control gains (Presenter: David Sanders)</p> <p>419 - Artificial Morality based on Particle Filter (Presenter: Federico Grasso Toro)</p> <p>41 - Learning to drive with and without intelligent computer systems and sensors to assist (Presenter: David Sanders)</p> <p>268 - The Impact Of Road Intersection Topology On Traffic Congestion In Urban Cities (Presenter: Marwan Al-Dabbagh)</p> <p>422 - Analyzing the accuracy of Historical Average for Urban traffic forecasting using Google Maps (Presenter: Hajar Rezzouqi)</p> <p>382 - Forecasting Air Traveling Demand for Saudi Arabia's Low Cost Carriers (Presenter: Eman Alarfaj)</p> <p>28 - Intelligent Transportation System In Smart Cities (ITSSC) (Presenter: Iyad Turnar)</p>	<p>48 - Employee Turnover Prediction with Machine Learning: A Reliable Approach (Presenter: Yue Zhao)</p> <p>311 - Calculating Error Bars on Inferences from Web Data (Presenter: Kwabena Nuamah)</p> <p>340 - Comparison of Fuzzy and PID Controllers for the Attitude Control of Nanosatellites (Presenter: Álvaro Bello)</p> <p>401 - Musical Synthesis for Certain Music Styles Based on Machine Learning Algorithms (Presenter: Dmitry Alexandrov)</p> <p>204 - Exploiting SNMP-MIB Data to Detect Network Anomalies using Machine Learning Techniques (Presenter: Ghazi Al-Naymat)</p> <p>105 - Temporal Spam Identification- A multifaceted approach to identifying review spam (Presenter: Iqra Muhammad)</p> <p>20 - A Bayesian based System for Evaluating Customer Satisfaction in an Online Store (Presenter: Ijegwa Acheme)</p> <p>257 - Directed Acyclic Graph Based Task Scheduling Algorithm for Heterogeneous Systems (Presenter: Rehan Tariq)</p>

6th September (1:30 pm - 3:30 pm)

PAPER PRESENTATIONS

Session 5: Image/Video Processing Session Chair: Amanda Peart (Ludgate Suite)	Session 6: Ambient Intelligence Session Chair: Giles Tewkesbury (Walbrook Suite)	Session 7: Deep Learning Session Chair: Petros Stavroulakis (Fleet Suite)	Session 8: Artificial Intelligence Session Chair: Mohamed Kashkoush (Aldgate/Bishopsgate Suite)
<p>73 - Evaluation of Image Spatial Resolution for Machine Learning Mapping of Wildland Fire Effects (Presenter: Dale Hamilton, Nicholas Hamilton)</p> <p>436 - Wheat Plots Segmentation for Experimental Agricultural from Visible and Multispectral UAV Imaging (Presenter: Adriane Parraga)</p> <p>410 - Straight Boundary Detection Algorithm Based on Orientation Filter (Presenter: Yanhua Ma)</p> <p>263 - Intelligent System Design for Massive Collection and Recognition of Faces in Integrated Control Centres (Presenter: Taewoo Kim)</p> <p>56 - Curve Evolution Based on Edge Following Algorithm For Medical Image Segmentation (Presenter: Farhan Riaz)</p> <p>39 - Fuzzy Logic and Log-sigmoid Function based Vision Enhancement of Hazy Images (Presenter: Sheli Sinha Chaudhuri)</p>	<p>79 - Learning to make intelligent decisions using PROMITHEE II and the Analytical Hierarchy Process (Presenter: Malik Haddad)</p> <p>356 - Guess my power: A computational model to simulate the behavior of a partner in the context of collaborative negotiation (Presenter: Lydia Ouldouali)</p> <p>63 - Towards Road Safety A Social Perception (Presenter: Bruno Filipe Martins Fernandes)</p> <p>248 - UXAmI Observer: An automated user experience evaluation tool for Ambient Intelligence environments (Presenter: George Margetis)</p> <p>154 - Heterogeneous semi-structured objects analysis (Presenter: Poltavtseva Maria)</p> <p>218 - An Approach to Energy-Efficient Street Lighting Control on the Basis of an Adaptive Model (Presenter: Dmitry Shnyder)</p>	<p>309 - ViZDoom: DRQN with Prioritized Experience Replay, Double-Q Learning, & Snapshot Ensembling (Presenter: Christopher Schulze, Marcus Schulze)</p> <p>46 - The impact of replacing complex hand-crafted features with standard features for melanoma classification using both hand-crafted and deep features (Presenter: Sule Yildirim-Yayilgan)</p> <p>262 - PerceptionNet: A Deep Convolutional Neural Network for Late Sensor Fusion (Presenter: Panagiotis Kasnesis)</p> <p>3 - The Cognitive Packet Network with QoS and Cybersecurity Deep Learning clusters (Presenter: Will Serrano)</p> <p>49 - Proposal and Evaluation of an Indirect Reward Assignment Method for Reinforcement Learning by Profit Sharing (Presenter: Kazuteru Miyazaki)</p> <p>393 - Content Based Video retrieval using Convolutional Neural Network (Presenter: Saeed Iqbal)</p> <p>30 - Convolution Neural Network Application for Road Asset Detection and Classification in LiDAR Point Cloud (Presenter: George Sakr)</p>	<p>32 - Solving Fuzzy Differential Equations with Z-numbers by using Fuzzy Sumudu Transform (Presenter: Raheleh Jafari)</p> <p>34 - Agent Based Simulation of BMO Value in Enterprise Context Application to the CRM (Customer Relationship Management) (Presenter: Hichem Benaissa Anouar Badsii)</p> <p>35 - OPTIMIZATION OF INTERACTIVE LIVE FREE VIEWPOINT MULTIVIEW VIDEO STREAMING BANDWIDTH (Presenter: Richard Kramer)</p> <p>86 - Empirical Study of Sperm Swarm Optimization Algorithm (Presenter: Ismail Ahmedy)</p> <p>159 - VSOM: Efficient, Stochastic Self-Organizing Map Training (Presenter: Lutz Hamel)</p> <p>195 - Effective Strategies for Combining Attention Mechanism with LSTM for Aspect-level Sentiment Classification (Presenter: Kai Shuang)</p> <p>229 - ULEARN: Personalised learner's profile based on dynamic Learning Style questionnaire (Presenter: Shaimaa Nafea)</p> <p>236 - Development of a Software System to Ensure the Reliability and Fault Tolerance in Information Systems Based on Expert Estimates (Presenter: Askar Boranbayev)</p>

6th September (3:30 pm - 4:00 pm)

POSTER PRESENTATIONS

58 - Feature Usage and Access Pattern Evaluation for Set-Top-Box Feature Recommender Systems
(Presenter: Şebnem Kasapoğlu, Murat Köprülü)

80 - Making decisions about saving energy in Compressed Air Systems using Ambient Intelligence and AI
(Presenter: Giles Tewkesbury)

87 - A Decision Support System for Automated Mushroom Harvesting (Presenter: Mohamed Kashkoush)

138 - Mining CTFM Echo Signal Data for Navigation (Presenter: Sherine Antoun)

228 - Extracting Semantic Roles from Ungrammatical Sentences (Presenter: GIANPAOLO GHIANI)

254 - Women's occupational health: Improving medical protocols with Artificial Intelligence solutions
(Presenter: Javier Taboada)

286 - Application of Deep Reinforcement Learning to UAV Fleet Control (Presenter: Guillaume de Chambrier)

290 - Estimation of Remote Sensing Imagery Atmospheric Conditions Using Deep Learning and Image Classification (Presenter: Oxana Korzh)

291 - A multi-agent architecture for dynamic scheduling of emergencies in operating theater (Presenter: Bilal BOU SALEH)

425 - Intelligent work stress monitoring (Presenter: Veronika Kretschmer, Benedikt Maettig)

25 - A Comprehensive Investigation of Formal System Verification Tools and Approaches (Presenter: Nazish Yousaf)

165 - Studying an element of the information search system – the choice process approximated to the natural intelligence (Presenter: Olga Popova)

EVENING TOUR AND THAMES RIVER CRUISE

6th September (6:00 pm - 10:00 pm)

6:00 pm - 7:30 pm: Panoramic coach tour of the City of London to Tower Pier

7:30 pm - 9:30 pm: Enjoy a delicious buffet dinner while cruising the Thames, see spectacular views and hear commentary down the river

10:00 pm: Disembark at the Tower Pier and transfer back to venue

Notes:

- Drinks are not included and a cash bar will be available
- You cannot join this cruise without the conference badge
- We cannot guarantee that dinner products are free from nuts or traces of nuts.



6th September (4:00 pm - 5:30 pm)

PAPER PRESENTATIONS

Session 9: NLP Session Chair: Amanda Peart (Ludgate Suite)	Session 10: Ambient Intelligence Session Chair: Chandrasekar Vuppapapati (Walbrook Suite)	Session 11: Deep Learning Session Chair: Marko Kesti (Fleet Suite)	Session 12: Artificial Intelligence Session Chair: Kohei Arai (Aldgate/Bishopsgate Suite)
<p>279 - Performance comparison of popular text vectorising models on multi-class email classification (Presenter: Ritwik Kulkarni)</p> <p>280 - On character vs word embeddings as input for English sentence classification (Presenter: James Hammerton)</p> <p>399 - Arabic Tagsets – Review (Presenter: Marwah Alian)</p> <p>60 - Information Gain Based Term Weighting Method for Multi-label Text Classification Task (Presenter: Ahmad Maziyad)</p> <p>217 - Enhancing Translation From English to Arabic Using Two-Phase Decoder Translation (Presenter: Ayah ElMaghraby)</p> <p>397 - Fuzzy based Sentiment Classification in the Arabic Language (Presenter: Mariam Biltawi)</p>	<p>354 - Inter-Cell Interference Coordination based on NCL Scheme in LTE Self Organizing Network (Presenter: Lu Feng)</p> <p>445 - Load Balancing of 3-Phase LV Network Using GA, ACO And ACO/GA Optimization Techniques (Presenter: Rehab Hassan Mahmoud Abdelwahab)</p> <p>45 - New Field Operational Tests Sampling Strategy Based on Metropolis-Hastings Algorithm (Presenter: Nacer Eddine Chelbi)</p> <p>202 - EVACUEE PRE-NEEDS ASSESSMENT USING DECISION TREE ALGORITHM OF MDRRMC-DARAGA RECORDS (Presenter: RICHARD MONREAL)</p> <p>402 - Query inversion technique for detection of unexpected values in relational databases (Presenter: Md Salah Uddin)</p> <p>206 - Solar Radiation Time Series Analytics Based on Hadoop Integrated Programming Language Environment (RHIFE) (Presenter: Ali Khaleel)</p>	<p>272 - A Classification-Regression Deep Learning Model for People Counting (Presenter: Guoping Qiu)</p> <p>132 - Reinforcement Learning for fair dynamic pricing (Presenter: Roberto Maestre)</p> <p>414 - Architecture of Management Game for Reinforced Deep Learning (Presenter: Marko Kesti)</p> <p>289 - Deep Learning in Classifying Depth of Anesthesia (DoA) (Presenter: Mohamed Al-Meer)</p> <p>170 - Ship classification from SAR images based on deep learning (Presenter: Shintaro Hashimoto)</p> <p>432 - HIMALIA: Recovering Compiler Optimization Levels from Binaries by Deep Learning (Presenter: Yuansong Qiao)</p>	<p>319 - Analysis of methods of recognition and classification and development of a software system (Presenter: Askar Boranbayev)</p> <p>330 - CAR: Computerized Assistant Referee for determining in soccer the offside rule by using Computer Vision (Presenter: Jesús Jaime Moreno Escobar)</p> <p>345 - Joint Labeling of Syntactic Function and Semantic Role using Probabilistic Finite State Automata (Presenter: Amr Rekaby Salama)</p> <p>371 - A Naive Deep Nets based Approach for Authenticating Viral Textual Content on Social Media (Presenter: Richa Sharma)</p> <p>384 - AR Optimization for Interactive User Guides (Presenter: Anton Ivaschenko)</p> <p>156 - Tele-Operated Bilateral Control of Hydraulic Servo System using TSMCSP0 based Estimated Reaction Force of End Effector (Presenter: Karam Dad)</p>

7th September (11:00 am - 12:30 pm)

PAPER PRESENTATIONS

Session 13: Smart Healthcare Session Chair: Arshia Khan (Ludgate Suite)	Session 14: Machine Vision Session Chair: Amanda Peart (Walbrook Suite)	Session 15: Robotics Session Chair: Sherine Antoun (Fleet Suite)	Session 16: Neural Networks Session Chair: Giles Tewkesbury (Aldgate/Bishopsgate Suite)	Session 17: Artificial Intelligence Session Chair: Marko Kesti (Newgate Suite)
<p>54 - Functional Connectivity Evaluation for Infant EEG Signals Based on Artificial Neural Network (Presenter: Saeed Sharif)</p> <p>431 - Face Symmetry Analysis Using a Unified Multi-task CNN for Medical Applications (Presenter: Gary Storey)</p> <p>114 - Edge Computing for Low Delay to Cache and Transfer Electronic Medical Records (Presenter: Ziyang Chen)</p> <p>246 - Semantic Modelling of Smart Healthcare Data (Presenter: Antonella Carbonaro)</p> <p>362 - A Multi-Objective Pareto-Optimal Wrapper Based Framework for Cancer-Related Gene Selection (Presenter: Omer Faruk Ogutcen)</p> <p>404 - Framework to Predict, Identify, and Track Wandering behavior in Individuals with Alzheimer's Dementia using Various Physiological Sensors, and Kinects (Presenter: Arshia Khan)</p> <p>405 - Framework to Predict Bipolar Episodes Sensor fusion of electrodermal activity, heart rate variability and sleep patterns (Presenter: Arshia Khan)</p>	<p>221 - Cooperating with Avatars Through Gesture, Language and Action (Presenter: Bruce Draper)</p> <p>281 - Designing an Augmented Reality Multimodal Interface for 6DOF Manipulation Techniques (Presenter: Cik Suhaimi Yusof)</p> <p>305 - Eye-Tracking to Enhance Usability: A Race Game (Presenter: Ayse Ezgi Ilhan)</p> <p>423 - For a Safer YouTube Kids: an Extra Layer of Content Filtering Using Automated Multimodal Analysis (Presenter: Sharifa Alghowinem)</p> <p>144 - Evaluation of classifiers for emotion detection while performing physical and visual tasks: Tower of Hanoi and IAPS (Presenter: Shah Nawaz Qureshi)</p> <p>227 - Segmentation of heart sound by clustering using spectral and temporal features (Presenter: Ali Hassan)</p>	<p>243 - Selective Stiffening Mechanism for Surgical-assist Soft Robotic Applications (Presenter: Sunita Chauhan)</p> <p>352 - A Semantic Representation of Sensor Data to Promote Proactivity in Home Assistive Robotics (Presenter: Alessandro Umbrico)</p> <p>387 - Analysis of the use of a NAO Robot to improve social skills in children with ASD in Saudi Arabia (Presenter: Eman Alarfaj)</p> <p>308 - Application of Deep Learning technique in UAV's Search and Rescue operations (Presenter: Kyaw Min Naing, Ahmad Zakeri)</p> <p>40 - A Rule-based Expert System to decide on direction and speed of a powered wheelchair (Presenter: David Sanders)</p> <p>313 - Development of a Haptic Telemanipulator System Based on MR brakes and Estimated Torques of AC Servo Motors (Presenter: Quoc Hung Nguyen)</p>	<p>29 - A Neural Architecture for Multi-Label Text Classification (Presenter: Sam Coope)</p> <p>50 - A High Performance Classifier by Dimensional Tree based Dual-kNN (Presenter: Swe Sweaung)</p> <p>294 - Understanding neural network decisions by creating equivalent symbolic AI models (Presenter: Sebastian Seidel)</p> <p>4 - The Random Neural Network and Web Search: Survey paper (Presenter: Will Serrano)</p> <p>184 - Excessive, Selective and Collective Information Processing for Improving and Interpreting Multi-Layered Neural Networks (Presenter: Ryotaro Kamimura)</p> <p>376 - 2D parallel MAC Unit Hardware Accelerator for Convolutional Neural Network (Presenter: Hossam Omar)</p> <p>185 - A NEURO FUZZY APPROACH FOR PREDICTING DELIRIUM (Presenter: Frank Amadin)</p>	<p>373 - Stock Price Manipulation detection using Empirical Mode Decomposition based Kernel Density Estimation clustering method (Presenter: Baqar Abbas Rizvi)</p> <p>151 - A Computer Science Perspective on Models of the Mind (Presenter: ABU Kamruzzaman)</p> <p>249 - Artificial Intelligence for Construction Safety: Mitigation of the risk of fall (Presenter: George Bigham)</p> <p>426 - Intelligent technology for designing integrated expert systems (Presenter: Yury Blokhin)</p> <p>293 - An Intelligent Real-Time Occupancy Monitoring System Using Single Overhead Camera (Presenter: Jawad Ahmad)</p> <p>68 - Autoregressive model order determination (Presenter: Ventsislav Nikolov)</p>

7th September (1:30 pm - 3:30 pm)

PAPER PRESENTATIONS

Session 18: Smart Healthcare Session Chair: Arshia Khan (Ludgate Suite)	Session 19: Data Mining Session Chair: Sherine Antoun (Walbrook Suite)	Session 20: Robotics Session Chair: Sunita Chauhan (Fleet Suite)	Session 21: Internet of Things Session Chair: Petros Stavroulakis (Aldgate/Bishopsgate Suite)	Session 22: Artificial Intelligence Session Chair: Bruce Draper (Newgate Suite)
<p>78 - Machine Learning Infused Preventive Healthcare for High-Risk Outpatient Elderly (Presenter: Chandrasekar Vuppalapati)</p> <p>398 - Application of Clustering Technique with Kohonen Self-Organizing Maps for the Epidemiological Analysis of Leprosy (Presenter: Guilherme Conde)</p> <p>66 - An Efficient Compressive Sensing Method for Connected Health Applications (Presenter: Fayçal Bensaali)</p> <p>287 - Bivariate Markov Model Based Analysis of ECG for Accurate Identification and Classification of Premature Heartbeats and Irregular Beat-Patterns (Presenter: Purva Gawde)</p> <p>213 - EVE: A Combined Physical-digital Interface for Insomnia Sleep Diary (Presenter: Linkai Tao)</p> <p>406 - Classification of Cardiotocography signals using Machine Learning (Presenter: Sumedh Sontakke)</p> <p>212 - Near Real-Time Data Labeling Using a Depth Sensor for EMG Based Prosthetic Arms (Presenter: Geesara Kulathunga)</p> <p>348 - Watch IT Version-II: An Assistive Device for Hearing and Speaking Impaired (Presenter: Sadad Mahamud)</p>	<p>209 - Tag Genome Aware Collaborative Filtering Based on Item Clustering for Recommendations (Presenter: Bo Li)</p> <p>241 - Application of Density Clustering Algorithm Based on SNN in the Topic Analysis of Microblogging Text (Presenter: Jiayi Luo)</p> <p>333 - Selecting Accurate Classifier Models for a MERS-CoV Dataset (Presenter: Lubna AlHenaki)</p> <p>415 - A Comparative Study of HMMs and LSTMs on Action Classification with Limited Training Data (Presenter: Hacer Yalim Keles)</p> <p>433 - Proximity Full-Text Search with Response Time Guarantee by Means of Additional Indexes (Presenter: Alexander Veretennikov)</p> <p>323 - Big Data Fusion Model for Heterogeneous Financial Market Data (FinDF) (Presenter: Lewis Evans)</p> <p>273 - Public Opinion Analysis of Emergency on Weibo Based on Improved CSIM: The Case of Tianjin Port Explosion (Presenter: Xiaohua Liu)</p>	<p>296 - Our new handshake with the robot: How our changing relationship with machines can make us more human (Presenter: Marcin Remarczyk)</p> <p>81 - An efficient method to produce minimal real time geometric representations of moving obstacles (Presenter: Nils Bausch)</p> <p>169 - Learning by Demonstration with Baxter Humanoid (Presenter: Othman Al-Abdulqader)</p> <p>267 - View-invariant robot adaptation to human action timing (Presenter: Nicoletta Noceti)</p> <p>164 - Simulation of an Artificial Hearing Module for an Assistive Robot (Presenter: Marcio L L Oliveira)</p> <p>385 - Avoiding to Face The Challenges of Visual Place Recognition (Presenter: Ehsan Mihankhah)</p> <p>346 - Supervisory Control of a Multicopter Drone using On-Line Sequential Extreme Learning Machine (Presenter: Oualid Doukhi)</p> <p>300 - Dynamic Walking Experiments for Humanoid Robot (Presenter: Arbnor Pajaziti)</p>	<p>277 - Analytics in the Industrial Internet of Things (Presenter: Aldo Dagnino)</p> <p>338 - An Agent-based Model for Driving Policy Learning in Connected and Autonomous Vehicles (Presenter: Varuna De Silva)</p> <p>278 - A multi-tiers AI and IoT architecture (Presenter: Francesco Rago)</p> <p>377 - The Intelligent System Design for Eliminating Blind Spots of PTZ Controlled CCTV with Raspberry Pi and Multiple Pi Cameras (Presenter: Pyeongkang Kim)</p> <p>136 - Petri Nets and Machines of Things That Flow (Presenter: Dana Shbeeb)</p> <p>259 - Towards Energy-efficient RF-enabled Sensor Networks in Internet of Things (Presenter: Rafidah Md Noor)</p> <p>336 - Traffic Surveillance for Smart City in Internet of Things Environment (Presenter: Meghavi Choksi)</p> <p>416 - Event Localization based on Direction of Arrival using Quasi Random Deployment in Internet of Things (Presenter: Saurabh Kumar)</p>	<p>339 - Optimization of Fuzzy Attitude Control for Nanosatellites (Presenter: Astor del Casteñedo)</p> <p>127 - A path to AI (Presenter: Ion Dronic)</p> <p>161 - A Dynamic Optimization Approach to Adaptive Control for the Four-Bar Linkage Mechanism (Presenter: Alejandro Rodríguez-Molina)</p> <p>389 - Dimensionality Reduction and Pattern Recognition of Flow Regime Using Acoustic Data (Presenter: Nafiseh Vahabi)</p> <p>33 - Multi-Battalion Search Classifier (MBS-C) (Presenter: May Al-Roomi)</p> <p>44 - Our Actions, Ourselves: How Unconscious Actions Become a Productivity Indicator (Presenter: Manuel Rodriguez)</p> <p>222 - Performance comparison of State of Art NoSql Technologies using Apache Spark (Presenter: Anwar ul Haque)</p> <p>403 - Clustering collusive dealers in commercial taxing system (Presenter: Jithin Mathews)</p>

7th September (4:00 pm - 5:30 pm)

PAPER PRESENTATIONS

Session 23: Smart Healthcare Session Chair: Amanda Peart (Ludgate Suite)	Session 24: Machine Vision Session Chair: Bruce Draper (Walbrook Suite)	Session 25: Data Mining Session Chair: Kohei Arai (Fleet Suite)	Session 26: Internet of Things Session Chair: Chandrasekar Vuppapapati (Aldgate/Bishopsgate Suite)	Session 27: Artificial Intelligence Session Chair: Petros Stavroulakis (Newgate Suite)
<p>318 - Enhancing efficiency of Ejection Fraction Calculation in the Left Ventricle (Presenter: Nesrin Kamal Eldeen)</p> <p>264 - The Digital Exchange Communication System for children and youth with mental disabilities and autism (Presenter: Moncef Benkherrat)</p> <p>343 - Can LANA CITS Support Learning in Autistic Children? A case study evaluation (Presenter: Sumayh Aljameel)</p> <p>370 - U-ISLES: Ischemic Stroke Lesion Segmentation Using TensorFlow U-Net (Presenter: Lea Katrina Cornelio, Mary Abigail Del Castillo)</p> <p>378 - A Novel Approach using Voting from ECG Leads to Detect Myocardial Infarction (Presenter: Awais Lodhi)</p>	<p>276 - Intrusion Detection in Computer Networks based on KNN, K-Means ++ and J48 (Presenter: Mauricio Mendes Faria)</p> <p>326 - Automatized Approach to Assessment of Degree of Delamination around a Scribe (Presenter: Petr Dolezel)</p> <p>383 - Fine localization of complex components for bin picking (Presenter: Jiri Tvrdik)</p> <p>396 - Face Detection & Recognition For Automatic Attendance System (Presenter: Bahar Ilgen)</p> <p>120 - A Survey of Customer Review Helpfulness Prediction Techniques (Presenter: Madeha Arif)</p> <p>388 - InstaSent: A Novel Framework for Sentiment Analysis based on Instagram Selfies (Presenter: Rabia Noureen)</p>	<p>173 - An exploratory study of the inputs for ensemble clustering technique as a subset selection problem (Presenter: Samy Ayed)</p> <p>242 - An Analysis on the Micro-Blog Topic "the Shared Bicycle" Based on K-means Algorithm (Presenter: Yuanyuan Zhai)</p> <p>282 - Enhancement of the K-means Algorithm for Mixed Data in Big Data Platforms (Presenter: Oded Koren, Israel, Carina Antonia Hallin)</p> <p>417 - First-Half Index Base For Querying Data Cube (Presenter: Viet Phan Luong)</p> <p>43 - Challenges in Developing of Integrative Prediction Models for High-Throughput Biomedical Data (Presenter: Abeer Alzubaidi)</p> <p>240 - Subject Analysis of the Microblog about US Presidential Election Based on LDA (Presenter: Yawen Zheng, Yonghe Lu)</p>	<p>192 - Big Data Channel Awareness in Cooperative D2D Wireless Fusion Networks in IoT (Presenter: Yuan Gao)</p> <p>252 - Compressive Sensing based ECG Biometric System (Presenter: Xiaojun Zhai)</p> <p>368 - Design and Implementation of Modular IoT Platform for Home Monitoring (Presenter: Yoanes Bandung, Kusprasapta Mutijarsa)</p> <p>369 - CIR - An Architecture for Building Configurable Immersive Smart-rooms (Presenter: Rahul Divekar)</p> <p>312 - An Open Source Software Architecture for Smart Buildings (Presenter: Ahmed Alwan)</p> <p>331 - Design of a Network Sensing System based on Android Platform (Presenter: FEI Ding)</p>	<p>284 - 3D Computer Vision for Intelligent Robotics: A review (Presenter: Niall O Mahony, Ireland)</p> <p>317 - Situationally Determined Evaluation in Problem Domains (Presenter: Larisa Ismailova)</p> <p>335 - The Design of a Mood-Driven Chinese Song Recommendation System: Combining Valence-Based and Polarity-based Sentiment Analysis on Lyrics (Presenter: Qiming Sun)</p> <p>244 - One temperature control method of heat exchanger using adaptive fuzzy PID theory (Presenter: Lingyu Meng)</p> <p>420 - Investigating Spoofing Attacks for 3D Cameras Used in Face Biometrics (Presenter: Ghazel AlBakri)</p> <p>261 - 'I understand what you asked': Question interpreter for an AI-based business analyst (Presenter: Neha Raghuvir Prabhugaonkar)</p>