IntelliSys 2017

7-8 September 2017 | London, UK

ORGANIZED BY

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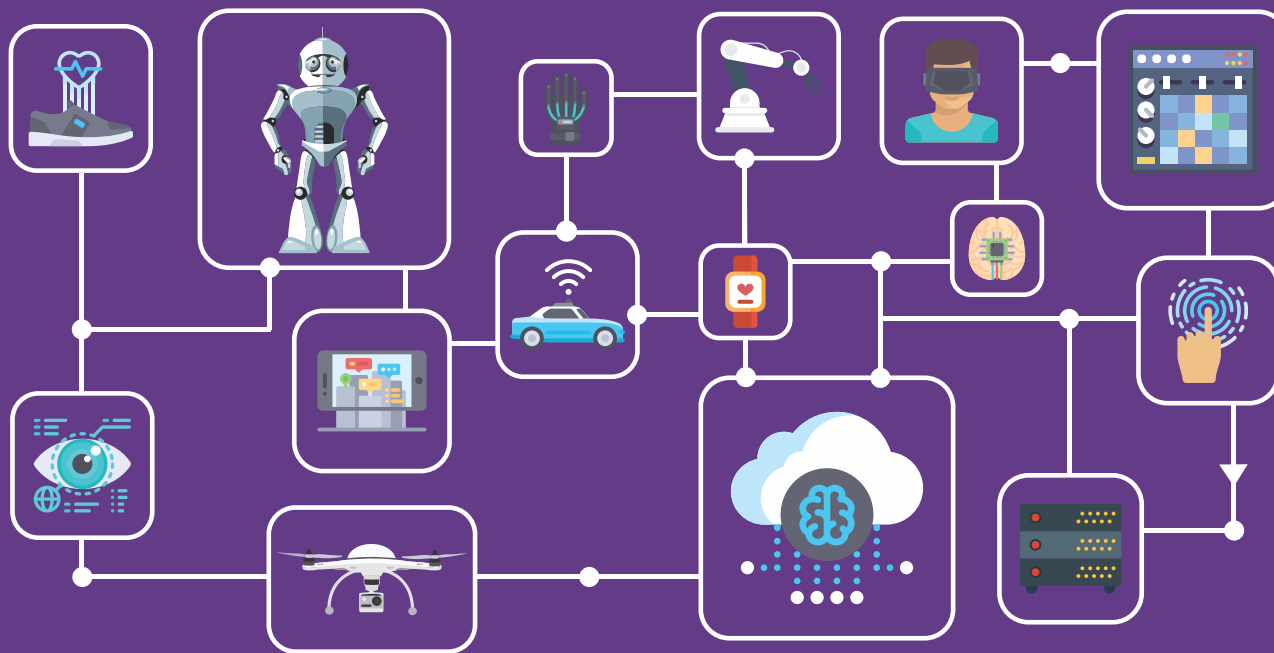
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CONFERENCE AGENDA

DAY 1 (7th September)

8:00 am	Delegates Check-in
8:30 am - 10:30 am	**KEYNOTE TALKS** (Ludgate Suite) Valentina Salapura, IBM Frank Wang, University of Kent Jan Hofmann, Deutsche Telekom AG
10:30 am - 11:00 am	**POSTER PRESENTATIONS** (Cornhill Room)
11:00 am - 12:30 pm	**PAPER PRESENTATIONS** Session 1: Ambient Intelligence Session 2: Data Science Session 3: Machine Learning Session 4: Human Computer Interaction
12:30 pm - 1:30 pm	Lunch (Cornhill Room)
1:30 pm - 3:30 pm	**PAPER PRESENTATIONS** Session 5: Ambient Intelligence Session 6: Data Science Session 7: Machine Learning Session 8: Artificial Intelligence
3:30 pm - 3:45 pm	Networking Break (Cornhill Room)
3:45 pm - 5:45 pm	**PAPER PRESENTATIONS** Session 9: Image Processing Session 10: Data Science Session 11: Machine Learning Session 12: Artificial Intelligence
6:00 pm - 10:00 pm	**EVENING LONDON TOUR** (Dinner / Meals are not included)

DAY 2 (8th September)

8:00 am	Delegates Arrive
8:30 am - 10:15 am	**KEYNOTE TALKS** (Ludgate Suite) Paolo Rosso, Technical University of Valencia Nuria Oliver, Vodafone
10:15 am - 10:30 am	Networking Break (Cornhill Room)
10:30 am - 12:30 pm	**PAPER PRESENTATIONS** Session 13: Intelligent Systems Session 14: Security Session 15: Machine Vision Session 16: Expert Systems
12:30 pm - 1:30 pm	Lunch (Cornhill Room)
1:30 pm - 3:30 pm	**PAPER PRESENTATIONS** Session 17: Intelligent Systems Session 18: Security Session 19: Machine Vision Session 20: Robotics
3:30 pm - 3:45 pm	Networking Break (Cornhill Room)
3:45 pm - 5:15 pm	**PAPER PRESENTATIONS** Session 21: Ambient Intelligence Session 22: Neural Networks Session 23: Natural language processing Session 24: Robotics
5:15 pm - 5:30 pm	Conference Closing (Ludgate Suite)

KEYNOTE SPEAKERS

Valentina Salapura
IBM T.J. Watson Research Center

7th September | 8:45 am - 9:30 am

Frank Wang
University of Kent & Chair IEEE UKRI

7th September | 9:30 am - 10:00 am

Jan Hofmann
Deutsche Telekom AG

7th September | 10:00 am - 10:30 am

Paolo Rosso
Technical University of Valencia, Spain

8th September | 8:30 am - 9:00 am

Nuria Oliver
Vodafone

8th September | 9:00 am - 9:30 am

7th September (10:30 am - 11:00 am)

POSTER PRESENTATIONS

Session Chair: Kohei Arai

171 - A Tourist Advisor based on a Question Answering System
(Presenter: Gianpaolo Ghiani, Italy)

286 - Finding Bottlenecks: Predicting Student Attrition with Unsupervised Classifier
(Presenter: Bruce Shapiro, United States)

409 - Intra-Class Complex Object Shape Representation Towards High Resolution
(Presenter: Xinhan Di, Ireland)

193 - Utilizing High-Performance Embedded Computing, Agile Condor, for Intelligent Processing
(Presenter: Mark Barnell, United States)

39 - Comparison of Adaptive Algorithms for Single-Trial Event-Related Potentials Extraction
(Presenter: Moncef BENKHERRAT, France)

346 - The Human on the Loop
(Presenter: David Johnson, United States)

6 - Cluster Restarted DM: New Algorithm for Global Optimisation
(Presenter: Marek Dlapa, Czech Republic)

336 - Multi-Dimensional I-Vector Closed Set Speaker Identification based on an Extreme Learning Machine with and without Fusion Technologies
(Presenter: Musab Al-kaltakchi, United Kingdom)

183 - Visualizing Positive and Negative Affordances in Infancy using Mobile Augmented Reality
(Presenter: Miho Nishizaki, Japan)

EVENING LONDON TOUR ON 7th September!

6:00 pm - 8:00 pm: Panoramic coach tour seeing Royal Albert Hall, Natural History Museum, Harrods, 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 nice dinner options/ cuisines - delegates to pay on their own)

10 pm: Disembark and Transfer back to the conference venue
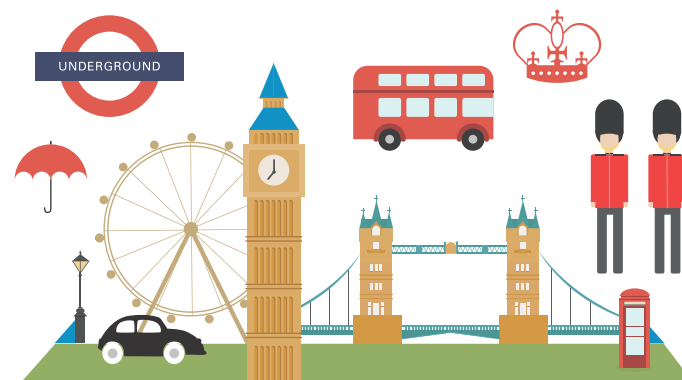
7th September (11:00 am - 12:30 pm)

PAPER PRESENTATIONS

Session 1: Ambient Intelligence Session Chair: Michael Farmer (Ludgate Suite)	Session 2: Data Science Session Chair: Parisa Naraei (Walbrook Suite)	Session 3: Machine Learning Session Chair: Yaxin Bi (Fleet Suite)	Session 4: Human Computer Interaction Session Chair: Mark Keane (Bishopsgate Suite)
153 - Towards Adaptive Control in Smart Homes (Presenter: Zelin Wang, United Kingdom) 94 - Results from Investigating Powered Wheelchair Users Learning to Drive with Varying Levels of Sensor Support (Presenter: David Sanders, United Kingdom) 154 - ML-IDS: A Machine Learning Approach to Detect Wormhole Attacks in Internet of Things (Presenter: Prachi Shukla, United States) 24 - A Smart Lighting System using Wireless Sensor Actuator Network (Presenter: Sanjib Panda, Singapore) 263 - Implementation of Evolutionary Algorithms in Vehicular Ad-Hoc Network for Cluster Optimization (Presenter: Muhammad Fahad, Pakistan)	176 - Features Extracted from APPES to Enable the Categorization of Heavy-Duty Vehicle Drivers (Presenter: Iulian Carpatorea, Sweden) 297 - Boolean Prediction of Final Grades based on Weekly and Cumulative Activities (Presenter: Mohammad Majid al-Rifaie, United Kingdom) 189 - A Data Reduction Method based on Indiscernibility and Rough Entropy for Uncertain Systems (Presenter: Udayan Ghose, India) 294 - A Framework for Pattern Based Melody Matching for Content Based Music Information Retrieval (Presenter: Vikram Dara, India) 320 - Presence Analytics: Detecting Classroom-based Social Patterns using WLAN Traces (Presenter: Muawya Eldaw, United Kingdom)	143 - Real-Time Usage Forecasting for Bike-Sharing Systems (Presenter: Simon Ruffieux, Switzerland) 113 - Implementing a Cross-Curricular Digital Project into a PGCE Computer Science Initial Teacher Education Course (Presenter: Carl Wilkinson, United Kingdom) 279 - Classification of Imbalanced Data in E-Commerce (Presenter: Liliya Besaleva, United States) 60 - Early Warning Modeling and Application based on Analytic Hierarchy Process Integrated Extreme Learning Machine (Presenter: YongMing Han, China) 251 - Automated Farming Prediction (Talha Siddique)	61 - Rule-Based System to Assist a Powered Wheelchair Driver (Presenter: Giles Tewkesbury, United Kingdom) 140 - Pervasive Audio Playback in Cyber-Physical Environments (Presenter: Yannick Koerber, Germany) 130 - Minimalist Design: An Optimized Solution for Intelligent Interactive Infotainment Systems (Presenter: Ashraf Gaffar, United States) 32 - New Method for Optimization of Static Hand Gesture Recognition (Presenter: Alaa Omran, Iraq) 85 - Contagion: Optimizing Foodborne Outbreak Analysis with Automatic Suggestions (Presenter: Dan Guo, United States)

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

PAPER PRESENTATIONS

Session 5: Ambient Intelligence Session Chair: Yaxin Bi (Ludgate Suite)	Session 6: Data Science Session Chair: Parisa Naraei (Walbrook Suite)	Session 7: Machine Learning Session Chair: Carl Wilkinson (Fleet Suite)	Session 8: Artificial Intelligence Session Chair: Kohei Arai (Bishopsgate Suite)
303 - Context Classification in Energy Resource Management of Residential Buildings using Artificial Neural Network (Presenter: Carlos Ramos, Portugal)	237 - Discovering News Events that Move Markets (Presenter: Mark Keane, Ireland)	180 - Machine Learning and Deep Neural Network – Artificial Intelligence Core for Lab and Real-World Test and Validation for ADAS and Autonomous Vehicles (Presenter: Harsha Jakkanahalli Vishnukumar, Björn Butting, Germany)	156 - A Social Influence Model for Exploring Double Subjectivity through News Frames in Online News (Presenter: Loretta Cheeks, United States)
148 - Femtocell Deployment Plan: Moving Indoors (Presenter: Abdullah Alotaibi, United Kingdom)	135 - An Intelligent System for Forex Trading: Hybrid ANN with GARCH and Intrinsic Mode Functions (Presenter: Hasanthi Pathberiya, Sri Lanka)	118 - Exploiting Action Categories in Learning Complex Games (Presenter: Mihai Sorin Dobre, United Kingdom)	380 - Unraveling an Elusive Future: Social Inequality and Social Responsibility in the Tech Industry (Presenter: Soraya Cardenas-Conte, United States)
115 - A Single Chip System for Sensor Data Fusion based on a Drift-Diffusion Model (Presenter: Shufan Yang, United Kingdom)	401 - Identifying Accurate Classifier Models for a Text-based MERS-Cov Dataset (Presenter: Norah Almansour, Saudi Arabia)	84 - Evaluating Cross Domain Sentiment Analysis using Supervised Machine Learning Techniques (Presenter: Azwa Abdul Aziz, United Kingdom)	35 - Information Compression, Multiple Alignment, and Intelligence (Presenter: Gerry Wolff, United Kingdom)
313 - Towards Stream-based Reasoning and Machine Learning for IoT Applications (Presenter: Markus Endler, Brazil)	121 - XML-Relational Mapping using Production Rule System (Presenter: Andrey Lyamin, Russia)	188 - Tag based Models for Arabic Text Compression (Presenter: William Teahan, United Kingdom)	158 - A New Min-Transitive Fuzzy Left-Relation on Intervals for a Different Class of Problems (Presenter: Sukhamay Kundu, United States)
367 - A Simple Integrated Smart Green Home Design (Presenter: Bader Alyoubi, Ibraheem Alharbi, Ashraf Badawood, Saudi Arabia)	125 - LUCID: Author Name Disambiguation using Graph Structural Clustering (Presenter: Sohail Asghar, Pakistan)	290 - Predicting All Star Player in the National Basketball Association using Random Forest (Presenter: Ala'a El-Nabawy, Egypt)	345 - Developing Video Games with Elementary Adaptive Artificial Intelligence in Unity (Presenter: Apostolos Meliones, Greece)
388 - The Role of Voice Service Technologies in Creating the Next Generation Outpatient Data Driven Electronic Health Record (EHR) (Presenter: Chandrasekar Vuppalapati, United States)	90 - Knowledge Extraction from Software Engineering Repositories (Presenter: N V Ramana Rao Gundu, India)	28 - Predicting Lung Cancer Survivability using Ensemble Learning Methods (Presenter: Reza Javidan, Iran)	403 - Towards a New Interpretation of Separable (Presenter: Tapabrata Ghosh, United States)
265 - Traffic Game in Smart City for Traffic Management (Presenter: Tanghsien Chang, China)	211 - A Modified Penalty Function in Fuzzy Clustering Algorithm (Presenter: Md Shahjahan, Bangladesh)	277 - An Expert System for Diabetes Prediction using Auto Tuned Multi-Layer Perceptron (Presenter: Maham Jahangir, Pakistan)	314 - Sequential Evidence Accumulation via Integrating Dempster-Shafer Reasoning and Estimation Theory (Presenter: Michael Farmer, United States)

7th September (3:45 pm - 5:45 pm)

PAPER PRESENTATIONS

Session 9: Image Processing Session Chair: Vassilis S. Kodogiannis (Ludgate Suite)	Session 10: Data Science Session Chair: Mark Keane (Walbrook Suite)	Session 11: Machine Learning Session Chair: Yaxin Bi (Fleet Suite)	Session 12: Artificial Intelligence Session Chair: Kohei Arai (Bishopsgate Suite)
150 - Stacking Approach for CNN Transfer Learning Ensemble for Remote Sensing Imagery (Presenter: Timothy Andersen, United States)	347 - Dataset Designing of Software Architectures Styles for Analysis through Data Mining Clustering Algorithms (Presenter: Qadeem Khan, Pakistan)	65 - Generalized Relevance Vector Machine (Presenter: Sam Kwong, Yuheng Jia, Hong Kong)	161 - Simulation-Optimisation of Multi-Product, Multi-Period Consumer Supply Network using Genetic Algorithms (Presenter: Zeinab Hajiabaolhasani, Australia)
202 - A Review on Image Segmentation based on Multi-Agent Systems (Presenter: Maroua Amahrir, Morocco)	149 - From Data Exploration to Semantic Model of Customer (Presenter: Jerzy Korczak, Poland)	81 - How Efficient is Twitter: Predicting 2012 U.S. Presidential Elections using Support Vector Machine via Twitter and Comparing Against Iowa Electronic Markets (Presenter: Abbas Attarwala, Canada)	310 - Decision Support in Condition-based Maintenance of a Fleet of Cyber-Physical Systems (Presenter: John Mbuli, France)
181 - SQbSN: JPEG2000 Scalar Quantizer Implemented by Means a Statistical Normalization (Presenter: Jesus Jaime Moreno-Escobar, Mexico)	325 - Toward Learning Intracranial Hypertension through Physiological Features (Presenter: Parisa Naraei, Canada)	19 - Intelligent Search with Deep Learning Clusters (Presenter: Will Serrano, United Kingdom)	382 - A Reconfigurable Architecture for Real-Time Digital Simulation of Neurons (Presenter: Jonathan Graham-Harper-Cater, United Kingdom)
372 - Face Recognition under Varying Illumination based on Homomorphic Filter and Local Binary Patterns (Presenter: Shorouq Alotaibi, Saudi Arabia)	147 - Dependency Networks Extractions from Textual Sources - A Case study in Criminology (Presenter: Marcello Trovati, United Kingdom)	200 - Maximum Distance Minimum Error (MDME): A Non-Parametric Approach to Feature Selection for Image-based High Content Screening Data (Presenter: Robert Trevino, United States)	412 - Amplifying Prediction Accuracy using Swarm A.I. (Presenter: Louis Rosenberg, United States)
123 - Recent Advances in Image Processing Techniques for Automated Harvesting Purposes: A Review (Presenter: Manuel Reis, Portugal)	37 - Partially Squeezing the Resources of the Web of Data towards Applications (Presenter: Ana Garcia-Serrano, Spain)	192 - Bio–Inspired Meta–Learning for Active Exploration During Non–Stationary Multi–Armed Bandit Tasks (Presenter: Georgios Velentzas, Greece)	231 - Algorithms and Approaches to Mathematical Modeling of Conflict in a Complex Social System (Presenter: Alexandr Petukhov, Russia)
285 - FPGA based Image De-Hazing Architecture for Real Time Applications (Presenter: Gulistan Raja, Pakistan)	253 - Improving Open-Domain Event Schema Discovery with Casual English Normalization for Noisy Text (Presenter: Assia Mezhar, Morocco)	173 - Data Mining and Model-Predictive Approach for Blast Furnace Thermal Control (Presenter: Dmitry Shnayder, Russia)	381 - Hybridization of Moth Flame Optimization and Gravitational Search Algorithm and its Application to Detection of Food Quality (Presenter: Anirudh Bhutani, India)
174 - Automatic Tracking of Cervical Spine using Fluoroscopic Sequences (Presenter: Ali Hassan, Pakistan)	15 - The Cyber Teamwork System based on Cloud to Maximize the Teamwork Capability (Presenter: Narungsun Wilaisakoolyong, Thailand)	276 - MCS: Multiple Classifier System to Predict the Churners in the Telecom Industry (Presenter: Mehreen Ahmed, Pakistan)	337 - Discriminant Learning for Hybrid HMM/MLP Speech Recognition System using a Fuzzy Genetic Clustering (Presenter: Lilia Lazli, Canada)
	318 - Towards Intelligent Open Data Platforms (Presenter: Oladipupo Sennaike, Nigeria)		

8th September (10:30 am - 12:30 pm)

PAPER PRESENTATIONS

Session 13: Intelligent Systems Session Chair: William Teahan (Ludgate Suite)	Session 14: Security Session Chair: David Johnson (Walbrook Suite)	Session 15: Machine Vision Session Chair: Vassilis S. Kodogiannis (Fleet Suite)	Session 16: Expert Systems Session Chair: Amanda Peart (Bishopsgate Suite)
322 - Optimization of Water Filtration Systems using a Self-Adaptive Control Platform (Presenter: Gil Hurwitz, United States)	293 - A Method of Detecting a Malicious Actions Using HTTP and FTP Protocols (Presenter: Greta Berezovskaya, Russia)	36 - Discovery of Analytical Thinking Patterns of Managers using Eye Tracking (Presenter: Jerzy Korczak, Poland)	190 - An In-the-wild & Synthetic Mobile Notification Dataset Evaluation (Presenter: Kieran Fraser, Ireland)
396 - Improving Prediction Accuracy of Multi-Criteria Recommender Systems using Adaptive Genetic Algorithms (Presenter: Mohammed Hassan, Japan)	311 - Trust Filter for Disease Surveillance: Identity (Presenter: Ryan Anderson, United States)	34 - Accuracy of Discrete Markov Approximation in the Problems of Estimation of Random Processes Characteristics (Presenter: Kasym Baryktabasov, Kyrgyz Republic)	138 - Reliability Analysis based on Weibull Distribution Model for Spreaders (Presenter: Yu Zheng, China)
83 - Discrimination of Grey Cast Iron Morphology using Integrated SVM and ANN Approaches (Presenter: Amany Khaled, Egypt)	160 - Speaker Change Detection using Features through a Neural Network Speaker Classifier (Presenter: Ananth Iyer, United States)	291 - Multimodal Fusion based on Information Gain for Emotion Recognition in the Wild (Presenter: Esam Ghaleb, Netherlands)	334 - An Evolutionary Computing Approach to Diabetic Foot Analysis (Presenter: Victor Alves, Portugal)
392 - Simulated Validation of an Intelligent Traffic Control System (Presenter: Kaiyu Wan, China)	213 - Neural Network based Speaker Classification and Verification Systems with Enhanced Features (Presenter: Ananth Iyer, United States)	266 - An Hybrid Front-End for Robust Speaker Identification Under Noisy Conditions (Presenter: El bachir Tazi, Morocco)	43 - An Expert System for Evaluation of Human Mental Resources: Holistic and Developmental Approach* (Presenter: Elena Volkova, Russia)
373 - Modeling of Computational Perception of Reality, Situational Awareness, Cognition and Machine Learning Under Uncertainty (Presenter: Ben Khayut, Israel)	257 - The Detection of Security Threat Level by Analyzing Certain Human Emotions using Neuro-Fuzzy Techniques (Presenter: Mohammad Malkawi, Jordan)	187 - Evaluating Facial Expressions in Real Time (Presenter: Fuzail Palnak, Kshitij Nikhal, India)	16 - Building Scalable and Accurate Hybrid Kernel Mapping Recommender Systems (Presenter: Mustansar Ghazanfar, Pakistan)
415 - An Intervention Detection Framework for Collaborative Projects (Presenter: Elizabeth Sokolowski, United Kingdom)	359 - Quantitative Model for Dynamic Propagation and Countermeasure of Malicious Cyber Attack on the Mobile Wireless Network (Presenter: Adeyinka Adesuyi Falaye, Nigeria)	102 - Assessment of Digital Elevation Model (DEM) using Onboard GPS and Ground Control Points in UAV Image Processing (Presenter: Khairul Nizam Tahar, Malaysia)	157 - Comprehensive Study of Complete Graph and Perfect Difference Network (PDN) (Presenter: Rakesh Kumar Katare, India)
52 - Construction of a Basic Intelligent Agent (Presenter: Eduardo Vázquez-Santacruz, Mexico)	209 - Biometrics Solutions for Blind Person Authentication (Presenter: BASHIER AHMED, Sudan)	196 - A Unified Pattern Recognition Approach for Low-Frequency Biometric Signals (Presenter: Elena Cherepovskaya, Russia)	395 - Automated Time and Cost Estimation for Sheet Metal Operation (Presenter: Hussein Hussein, Egypt)

8th September (1:30 pm - 3:30 pm)

PAPER PRESENTATIONS

Session 17: Intelligent Systems Session Chair: William Teahan (Ludgate Suite)	Session 18: Security Session Chair: David Johnson (Walbrook Suite)	Session 19: Machine Vision Session Chair: Yaxin Bi (Fleet Suite)	Session 20: Robotics Session Chair: Kohei Arai (Bishopsgate Suite)
410 - Day Ahead Hourly Electricity Price Prediction in ISO New England Market using Neuro-Fuzzy Systems (Presenter: Vassilis Kodogiannis, United Kingdom)	292 - Financial Discussion Boards Irregularities Detection System (FDBs-IDS) using Information Extraction (Presenter: Majdi Owda, United Kingdom)	42 - Detection By Registration (Presenter: Michael Greenspan, Canada)	56 - CAMABOT, An Assistance Device for Mexican Society with Motor Disabilities (Presenter: Eduardo Vázquez-Santacruz, Mexico)
328 - An Overview of On-Chip Cache Coherence Protocols (Presenter: Zainab Alwaisi, United Kingdom)	386 - A Heuristic Attack Detection Approach using the "Least Weighted" Attributes for Cyber Security Data (Presenter: Kato Mivule, United States)	316 - Crack Detection in Concrete Elements from RGB Pictures using Modified Line Detection Kernels (Presenter: Luis Sanchez, Spain)	33 - A Novel Approach to Register Sonar Data for Underwater Robot Localization (Presenter: Antoni Burguera, Spain)
119 - A TT&C Management Method for Satellite Constellation Networking Process (Presenter: Jing Li, China)	256 - Phased Array Antenna for the Application of Device Free Localization in Indoor Environments (Presenter: Ata ur Rehman, Pakistan)	109 - Adaptive Signal Processing Strategy for a Wind Farm System Fault Accommodation (Presenter: Silvio Simani, Italy)	73 - Using Confidence Factors to Share Control between a Mobile Robot Tele-Operater and Ultrasonic Sensors (Presenter: Nils Bausch, United Kingdom)
194 - iSAFETY - Integrated System for an Automatic Support to Fishing Vessel Security (Presenter: Salvatore Aronica, Italy)	198 - Re-Evaluation of Combined Markov-Bayes Models for Host Intrusion Detection on the ADFA Dataset (Presenter: Tajjeeddine Rachidi, Morocco)	165 - Automated Representation of Non-Emotional Expressivity to Facilitate Understanding of Facial Mobility: Preliminary Findings (Presenter: Kathy Clawson, United Kingdom)	273 - Design and Development of a Skinny Bidirectional Soft Glove for Post-Stroke Hand Rehabilitation (Presenter: Boran Wang, New Zealand)
134 - A Review of Technician and Task Scheduling Problems, Datasets and Solution Approaches (Presenter: Amy Khalfay, United Kingdom)	132 - Hand Signature and Handwriting Recognition as Identification of the Writer using Gray Level Co-Occurrence Matrix and Bootstrap (Presenter: Teny Handhayani, Indonesia)	289 - Temporal Segmentation of Human Actions in Video Sequences (Presenter: Juan Climent, Spain)	393 - Practical Formation Control of Swarm Robots Using Mobile Agents (Presenter: Hideaki Yajima, Japan)
175 - Reasoning and Algorithm Selection Augmented Symbolic Segmentation (Presenter: Martin Lukac, Kazakhstan)	80 - Development of Intelligent Tools for Recognizing Cockroaches in the Forensic Entomology Context (Presenter: Eduardo Vázquez-Santacruz, Mexico)	349 - Unsupervised Image Segmentation using Lab Color Space (Presenter: Junaid Baber, Pakistan)	312 - Real-World Large-Step Stair-Climbing for Small Humanoids using Evolutionary Computation (Presenter: Nikolaos Mavridis, Russia)
405 - A Model and Prototype of a Proactive Multi-Type Context-Aware Recommender System (Presenter: Abdallatif Abuissa, Palestine)		164 - Microrecording of Writer's Cramp Signals with Indigenously Developed Advanced Real-Time Multi-Channel Intelligent-EMG-System (Presenter: Venkateshwarla Rama Raju, India)	278 - Sensor Fusion System for Autonomous Localization of Mobile Robots (Presenter: Manuel Olivares Avila, Chile)
287 - Recommending Highlights in Anime Movies: Mining the Real-Time User Comments "Danmaku" (Presenter: Yifan He, China)			

8th September (3:45 pm - 5:15 pm)

PAPER PRESENTATIONS

Session 21: Ambient Intelligence Session Chair: Amanda Peart (Ludgate Suite)	Session 22: Neural Networks Session Chair: Kohei Arai (Walbrook Suite)	Session 23: Natural Language Processing Session Chair: Yaxin Bi (Fleet Suite)	Session 24: Robotics Session Chair: Vassilis S. Kodogiannis (Bishopsgate Suite)
179 - Drivers, Standards and Platforms for the IoT: Towards a Digital VICINITY (Presenter: Carna Radojicic, Germany) 300 - IoT Enabled Smart Buildings: A Systematic Review (Presenter: Muhammad Rizwan Bashir, Australia) 374 - Smart City Project using Proximity Marketing Technology (Presenter: Lamya Albraheem, Saudi Arabia) 258 - A New Technique for Saving Water Trapped Inside Home Water Networks (Presenter: Jihad AlSadah, Saudi Arabia) 163 - A Novel Design and Miniaturization of a Scalp Implantable Circular Patch Antenna at ISM Band for Biomedical Application (Presenter: Raja Rashidul Hasan, Bangladesh) 76 - Restoring the Chinese Calendar Li Fa and the Cosmic Breath Qi to the Real World (Presenter: Rey Tiquia, Australia)	177 - Hybrid Functional Networks for PVT Characterisation (Presenter: Munirudeen Oloso, United Kingdom) 304 - Cryptocurrency Portfolio Management with Deep Reinforcement Learning (Presenter: Zhengyao Jiang, Jinjun Liang, China) 305 - Survey on a Neural Network for Non Linear Estimation of Aerodynamic Angles (Presenter: Alberto Brandl, Italy) 169 - On Non-Iterative Training of a Neural Classifier Part-II: Clustering of Points and Their Classification using an NN Architecture (Presenter: Damodhar Rao Kandula, India) 168 - On Non-Iterative Training of a Neural Classifier Part-I: Separation of Points by Planes (Presenter: Kumar Eswaran, India)	201 - Comparison of Semantic Vectors with Reduced Precision using the Cosine Similarity Measure (Presenter: Michał Karwatowski, Poland) 365 - Content Analysis of MOOC Forums (Presenter: Anat Cohen, Israel) 26 - Improving Arabic Document Clustering using K-Means Algorithm and Particle Swarm Optimization (Presenter: Abdullah Daoud, Egypt) 255 - Spelling Correction in English: Joint Use of Bi-Grams and Chunking (Presenter: Vladimir Polyakov, Russian Federation) 383 - Question Answer System for Online Feedable New Born Chatbot (Presenter: Sameera Abdul-Kader, United Kingdom) 228 - An Efficient Rank Based Arabic Root Extractor (Presenter: Nahla Belal, Egypt)	306 - A Compact, Low-Cost Unmanned Surface Vehicle for Shallow Inshore Applications (Presenter: Zuhayr Rymansaib, Benjamin Metcalfe, United Kingdom) 29 - A Comparative Study of the Optimal Control Design using Evolutionary Algorithms: Application on a Close-loop System (Presenter: Alireza Mohseni, Canada) 379 - The Effect of Mono and Biarticular Muscles on the Dynamic of Walking Bipedal Robot (Presenter: Brahim Fernini, Algeria) 296 - Mobile Robot Localization Via Sensor Fusion Algorithms (Presenter: Turker Erguzel, Turkey) 301 - Development of a Control System for Electric Wheelchairs based on Head Movements (Presenter: Guilherme Maciel, Brazil) 49 - Robustness of Cooperative Behaviour Model on N Robot-based Multi-Robot Systems: Application to Mine Emergency and Disaster Management (Presenter: Isaac Osunmakinde, Chika Yinka-Banjo)