

TIME (London) GMT /UTC	Thu Mar 2	Fri Mar 3
11:00 AM - 11:30 AM	Conference Opening	Day Opening
11:30 AM - 12:30 PM	Keynote Marco Di Renzo, Paris-Saclay University - CNRS	Keynote Petar Popovski, Aalborg University
12:30 PM - 01:30 PM	Session 1 - Networking Session 2 - Cryptography Session 3 - Blockchain Session 4 - Deep Learning	Session 9 - Smart Healthcare Session 10 - Ambient Intelligence Session 11 - Machine Learning Session 12 - Deep Learning
01:30 PM - 02:00 PM	Virtual Roundtable - chatGPT : Future of AI Education and Research	Virtual Roundtable - Virtual platform for education: effectiveness and engagement?
02:00 PM - 03:30 PM	Session 5 - Communication Session 6 - Data Science Session 7 - Computing Session 8 - Security and Privacy	Session 13 - Artificial Intelligence Session 14 - Data Science Session 15 - e-Learning Session 16 - Security and Privacy
03:30 PM - 04:00 PM	Keynote Brian M. Sadler, Army Research Laboratory	
04:00 PM - 04:30 PM		Virtual Roundtable - Ransomware Attacks on Academia
04:30 PM - 05:00 PM	Day Closing	Closing Ceremony

Paper Presentations

Mar 2, 2023 | 12:30 PM - 01:30 PM (LONDON | GMT)

Session 1 - Networking	Session 2 - Cryptography	Session 3 - Blockchain	Session 4 - Deep Learning
<p>80 - Robust Decoupling, Disturbance Rejection and Linearization of Unknown Nonlinear Systems (Presenter: Shankar Bhattacharyya, Sangjin Han)</p> <p>154 - 5G based Autonomous Vehicle Issue Analysis: Text Mining South Korean News Data (Presenter: Soyeong Choi)</p> <p>329 - Design and Virtualization of an Automated System with Hardware in the Loop for the Virtualized Water Bottling Process in a Unity Environment (Presenter: Jose Varela-Aldas)</p> <p>305 - Exogenous and Endogenous Factors Leading to OSS Vulnerability: Study on Version Dependency Network (Presenter: Stefan Behfar)</p> <p>316 - Hardware in the Loop Simulation for Soda Can Palletizing Process Applying Ethernet TCP/IP Communication Protocols based on Unity 3D (Presenter: Jose Varela-Aldas)</p> <p>56 - An Overview Resilience in Computer Networks and Network Topologies using Different Metrics (Presenter: Antonio Cortes Castillo)</p>	<p>149 - Python Cryptographic Secure Scripting Concerns: A Study of Three Vulnerabilities (Presenter: Grace LaMalva)</p> <p>217 - Authentication Scheme using Honey Sentences (Presenter: Nuril Kaunaini Rofiatunnajah)</p> <p>323 - Framework for Multi-Factor Authentication with Dynamically Generated Passwords (Presenter: Ivaylo Chenchev)</p> <p>130 - HSDVS-DPoS: A Secure and Heterogeneous DPoS Consensus Protocol using Heterogeneous Strong Designated Verifier Signature (Presenter: Bo Meng)</p> <p>82 - Randomness Testing on Strict Key Avalanche Data Category on Confusion Properties of 3D-AES Block Cipher Cryptography Algorithm (Presenter: Suriyani Ariffin)</p> <p>4 - A Proof of $P \neq NP$: New Symmetric Encryption Algorithm against any Linear Attacks and Differential Attacks (Presenter: Gao Ming)</p>	<p>121 - CoviChain: A Blockchain based COVID-19 Vaccination Passport (Presenter: Hitesh Tewari)</p> <p>125 - Optimized Communication in Sharded Blockchain Networks (Presenter: Hitesh Tewari)</p> <p>284 - A Healthcare Delivery System Powered by Semantic Data Description and Blockchain (Presenter: Maria Sokhn)</p> <p>144 - Securing Supply-Chain Network with Blockchain (Presenter: Rabia Riaz)</p> <p>264 - Speedup of Merkle-Root Hash Value Computation using Groups (Presenter: Ivaylo Chenchev)</p>	<p>88 - Hybrid Quantum Machine Learning Classifier with Classical Neural Network Transfer Learning (Presenter: Avery Leider)</p> <p>263 - SGAS-es: Avoiding Performance Collapse by Sequential Greedy Architecture Search with the Early Stopping Indicator (Presenter: Shih-Ping Lin)</p> <p>301 - Artificial Intelligence in Forensic Science (Presenter: Alexander Iliev)</p> <p>327 - Deep Learning based Approach for Human Intention Estimation in Lower-Back Exoskeleton (Presenter: Valeriya Zanina)</p> <p>234 - Repeated Potentiality Augmentation for Multi-layered Neural Networks (Presenter: Ryotaro Kamimura)</p> <p>75 - TSEM: Temporally-Weighted Spatiotemporal Explainable Neural Network for Multivariate Time Series (Presenter: Anh-Duy Pham)</p>

Paper Presentations

Mar 2, 2023 | 02:00 PM - 03:30 PM (LONDON | GMT)

Session 5 - Communication	Session 6 - Data Science	Session 7 - Computing	Session 8 - Security and Privacy
<p>326 - First Step Towards a Fully-Miniaturized Intra-Body Communication Transceiver based on Galvanic Coupling (Presenter: Stephane Pitou)</p> <p>345 - Explosive Propagation of a Modified Axelrod Cultural Dissemination with Time Delays (Presenter: Isamu Shioya)</p> <p>318 - A Comparative Study of Reconfigurable Intelligent Surfaces with Relays in UAV Cooperative Communications (Presenter: Chee Yen Leow)</p> <p>273 - An Improved Low Latency Queueing Scheduling Algorithm for MANETs (Presenter: Mukakanya Abel Muwumba)</p> <p>124 - CTDp Depacking with Guided Depth Upsampling Networks for Realization of Multiview 3D Video (Presenter: Jar-Ferr Yang)</p> <p>260 - VIBE: Meshing Inexpensive Routers (Presenter: Travis Smith)</p> <p>319 - An Alternative Approach for Train Localisation in Urban Railway Setting Harnessing the Trends in the Digital System for LRT Kelana Jaya (Presenter: Jasbinder Singh)</p> <p>198 - Information: From Communication to Physical Principles (Presenter: Petr Klan)</p> <p>173 - A Comparative Analysis of the Service Quality in Public and Private Company Telecommunication Services (Presenter: Ibrahim Rashid Humaid Al Shamsi)</p>	<p>101 - A Comparative Analysis of Univariate Time Series Prediction by Mathematical Models (Presenter: Ventsislav Nikolov)</p> <p>156 - Consumer Perception Study on the Search Algorithm: Analysis of YouTube using Text Mining (Presenter: Jaeyoung Yoo)</p> <p>239 - Speech Emotion Recognition Systems: A Cross-Language, Inter-Racial, and Cross-Gender Comparison (Presenter: Deepayan Datta)</p> <p>215 - Stance Detection for Gauging Public Opinion: A Statistical Analysis of the Difference between Tweet-based and User-based Stance in Twitter (Presenter: Ali Almadan)</p> <p>282 - Guided Interactive Visualization for Detecting Cyclical Patterns in Time Series (Presenter: Flor de Luz Palomino Valdivia)</p> <p>64 - Parallel FPTCM+: Parallel FP-Tree based Compression Method for Large Datasets (Presenter: Bennai Soufia)</p> <p>199 - Open Data Impact Taxonomy – Analysis of Open Data Use Cases in Response to the Ireland’s National Open Data Strategy 2017-2022 (Presenter: Fatemeh Ahmadi Zeleti)</p> <p>11 - An Empirical Study to Determine the Impact of Demographic Features on Users’ Perceptions of Unwanted Messages in Online Social Network Services (Presenter: Mashaal M. Alsulami)</p> <p>1 - Nonlinear Merge and Split based Image Clustering Method through Changing the Number of Clusters (Presenter: Kohei Arai)</p>	<p>133 - The P vs. NP Problem and Attempts to Settle it via Perfect Graphs State-of-the-Art Approach (Presenter: Maher Heal)</p> <p>294 - Service-Oriented Multidisciplinary Computing: From Code Providers to Transdisciplines (Presenter: Michael Sobolewski)</p> <p>5 - Incompressible Fluid Simulation Parallelization with OpenMP, MPI and CUDA (Presenter: Xuan Jiang)</p> <p>152 - Aspects of the Central and Decentral Production Parameter Space, its Meta-Order and Industrial Application Simulation Example (Presenter: Bernhard Heiden)</p> <p>90 - Factors Affecting the Adoption of Information Technology in the Context of Moroccan Smes (Presenter: Yassine Zouhair)</p> <p>188 - Gender Equality in Information Technology Processes: A Systematic Mapping Study (Presenter: J. David Patón-Romero)</p> <p>206 - Hadoop Dataset for Job Estimation in the Cloud with Limited Bandwidth (Presenter: Mohammed Bergui)</p> <p>28 - Survey of Schema Languages: On a Software Complexity Metric (Presenter: Sotonwa Kehinde)</p> <p>227 - Bohmian Quantum Field Theory and Quantum Computing (Presenter: Fred Roush)</p>	<p>332 - Analysis of SSH Honey-pot Effectiveness (Presenter: Connor Hetzler)</p> <p>278 - Reducing Time for Performing ASPICE Assessments (Presenter: Christian Schlager)</p> <p>204 - Developing a GSM-GPS based Tracking System: Vulnerable Nigerian School Children as a Case Study (Presenter: Afolayan Ifeoluwa Janet)</p> <p>229 - Securing Personally Identifiable Information (PII) in Personal Financial Statements (Presenter: Medina Williams)</p> <p>290 - Conceptual Mapping of the Cybersecurity Culture to Human Factor Domain Framework (Presenter: Emilia Mwim)</p> <p>226 - Evaluation and Analysis of Reversible Watermarking Techniques in WSN for Secure, Lightweight Design of IoT Applications: A Survey (Presenter: Tanya Koohpayeharaghi)</p> <p>265 - Human Violence Recognition in Video Surveillance in Real-Time (Presenter: Herwin A Huilcen Baca)</p> <p>126 - Standardization of Cybersecurity Concepts in Automotive Process Models: An Assessment Tool Proposal (Presenter: Noha Moselhy, Ahmed Adel Mahmoud)</p> <p>313 - Establishing a Security Champion in Agile Software Teams: A Systematic Literature Review (Presenter: Anh Nguyen Duc)</p>

Paper Presentations

Mar 3, 2023 | 12:30 PM - 01:30 PM (LONDON | GMT)

Session 9 - Smart Healthcare	Session 10 - Ambient Intelligence	Session 11 - Machine Learning	Session 12 - Deep Learning
<p>79 - Screening for COVID-19 via Acoustics using Artificial Intelligence (Presenter: Dmitrii Bakhitov)</p> <p>228 - Towards Explainable AI on Chest X-Ray Diagnosis using Image Segmentation and CAM Visualization (Presenter: Leon Liu)</p> <p>304 - A Symbolic GeoPositioning System to Allow e-Health Enhanced Usages (Presenter: Nel Samama)</p> <p>185 - Variability Analysis and Machine Learning of Non-CSF Body Fluids SELDI-TOF-MS Data for Alzheimer's Disease Diagnoses (Presenter: Oriehi Anyaiwe)</p> <p>238 - Upper Limb Movement Recognition utilising EEG and EMG Signals for Rehabilitative Robotics (Presenter: Zihao Wang)</p> <p>320 - Comparison of Attention Mechanism in Convolutional Neural Networks for Binary Classification of Breast Cancer Histopathological Images (Presenter: Karol Przystalski)</p> <p>78 - Digital Transformation in the Smart City during Covid-19: Perceptions of Citizens (Presenter: Maria Pilgun)</p>	<p>285 - Marketing in the Metaverse: Emerging Risks (Presenter: Louis Rosenberg)</p> <p>159 - Consumer Responses to Fashion in the Metaverse: A Text-Mining Analysis on Online News Comments (Presenter: Jae-Eun Chung, Ji-Yun Shin)</p> <p>299 - Hybrid Recommendation System (Presenter: Alexander Iliev)</p> <p>135 - Exploring Changes in Controllability according to Width of Selection Items for Control: Gender Difference Effect on Website Interactivity (Presenter: Hwayeon Kong)</p> <p>218 - Evaluation of Marker-Based AR-Tracking with Vuforia in the Context of Rail Vehicle Maintenance (Presenter: Ronny Porsch)</p> <p>231 - Equipping Recreational Crafts with Tracking and Monitoring System for Sustainable Tourism Industry: A Case Study in Boracay Island (Presenter: Julie Ann A. Salido)</p>	<p>307 - Detecting Cyberbullying from Tweets through Machine Learning Techniques with Sentiment Analysis (Presenter: Jalal Omer Atoum)</p> <p>303 - Are CK Metrics Enough to Detect Design Patterns? (Presenter: Sirojiddin Komolov)</p> <p>95 - A Review of Intrusion Detection Systems using Machine Learning: Attacks, Algorithms and Challenges (Presenter: Jose Luis Gutierrez Garcia)</p> <p>274 - Head Orientation of Public Speakers: Variation with Emotion, Profession and Age (Presenter: Yatheendra Pravan Kidambi Murali)</p> <p>280 - Using Machine Learning to Identify Top Antecedents Affecting Crime in US Communities (Presenter: Kamil Samara)</p> <p>338 - DNA Genome Classification with Machine Learning and Image Descriptors (Presenter: Vicente Machaca Arceda)</p>	<p>208 - AI in Cryptocurrency (Presenter: Alexander Iliev)</p> <p>15 - Short Term Solar Power Forecasting using Deep Neural Networks (Presenter: Fatemeh Davoudi Kakhki)</p> <p>174 - Convolutional Neural Networks for Fault Diagnosis and Condition Monitoring of Induction Motors (Presenter: Fatemeh Davoudi Kakhki)</p> <p>207 - Huber Loss and Neural Networks Application in Property Price Prediction (Presenter: Alexander Iliev)</p> <p>209 - Text Regression Analysis for Predictive Intervals using Gradient Boosting (Presenter: Alexander Iliev)</p> <p>312 - Chosen Methods of Improving Small Object Recognition with Weak Recognizable Features (Presenter: Marcin Pietron)</p>

Paper Presentations

Mar 3, 2023 | 02:00 PM - 04:00 PM (LONDON | GMT)

Session 13 - Artificial Intelligence	Session 14 - Data Science	Session 15 - e-Learning	Session 16 - Security and Privacy
<p>157 - An Analysis of Current Fall Detection Systems and the Role of Smart Devices and Machine Learning in Future Systems (Presenter: Edward R. Sykes)</p> <p>129 - Implementation of a Tag Playing Robot for Entertainment (Presenter: Mustafa Ayad)</p> <p>143 - English-Filipino Speech Topic Tagger using Automatic Speech Recognition Modeling and Topic Modeling (Presenter: Reginald Neil Recario, John Karl Tumpalan)</p> <p>232 - Robotic Process Automation for Reducing Food Wastage in Swedish Grocery Stores (Presenter: Workneh Yilma Ayele)</p> <p>286 - Predictive Analysis of Solar Energy Production using Neural Networks (Presenter: Vinitha Hannah Subburaj)</p> <p>314 - A Novel Adaptive Fuzzy Logic Controller for DC-DC Buck Converters (Presenter: Thuc Kieu-Xuan)</p> <p>171 - Visual Mechanisms Inspired Efficient Transformers for Image and Video Quality Assessment (Presenter: Junyong You)</p> <p>67 - A Neural Network based Approach for Estimation of Real Estate Prices (Presenter: Ventsislav Nikolov)</p> <p>153 - Contextualizing Artificially Intelligent Morality: A Meta-Ethnography of Theoretical, Political and Applied Ethics (Presenter: Jennafer Shae Roberts)</p>	<p>42 - NLP Applied to Systematic Review: Case Study for the Creation of a Golden Set for the Metaverse (Presenter: Vladimir Barros de Souza)</p> <p>317 - Simulation of Rapid Wild-Type Replacement in Virus Populations (Presenter: Peter Krall)</p> <p>288 - Moving Fingers Write History and having Writ become Digital: Towards a Big Data Framework for the Analysis of Parliamentary Proceedings (Presenter: Arun Thundyill Saseendran)</p> <p>191 - Visual Named Entity Validation for Short Names in Financial Domain with Fine-Tuned BERT and Data Augmentation (Presenter: Chen Lin)</p> <p>271 - Combining Primary and Secondary Skills of Team Members in Demanding Work Conditions (Presenter: Sylvia Encheva)</p> <p>177 - Evaluating e-Recruitment Data Quality in Employee Hiring Process (Presenter: Adelanke H. Olaniyan)</p> <p>291 - An Experimental Survey of ASA on DL Classifiers using Multi-Dialect Arabic Texts (Presenter: Youmna Abdelwahab)</p> <p>256 - The Voronoi Diagram in Soccer Revisited (Presenter: Costas Efthimiou)</p>	<p>128 - McNeese Computer Networking Virtual Learning Environment (Presenter: Bei Xie)</p> <p>225 - eSports as Evolution: Shifting Social Values in Sport (Presenter: Lindsay D. Grace)</p> <p>344 - A Pilot Study of Learning Programming with ScratchJr (Presenter: Goh Kah Ong Michael)</p> <p>315 - Development of Assessment Tools for Depth of Understanding Quantitatively with Cognitive Diagnostic Models (Presenter: Shun Saso)</p> <p>158 - The Disabled's Learning Aspiration and E-learning Participation (Presenter: Jinu Jung)</p> <p>322 - Competence-based Digital Framework for Education as a Service (Presenter: Boriss Misnevs)</p> <p>193 - Virtual Training System for Oxygen Distribution Control through Hardware-in-the-Loop (Presenter: Pablo Norberto Granda)</p> <p>155 - The Digital Divide in the Post-Corona Era: Focused on Social Participation (Presenter: Eunbi Kang)</p> <p>148 - Didactic Tool for the Visually Impaired (Presenter: Daniel Tuček)</p>	<p>310 - Attacking Compressed Vision Transformers (Presenter: Swapnil Parekh)</p> <p>340 - A Survey Study of Psybersecurity: An Emerging Topic and Research Area (Presenter: Ankur Chattopadhyay)</p> <p>202 - Factors Affecting the Persistence of Deleted Files on Digital Storage Devices (Presenter: Tahir Mehmood Khan)</p> <p>212 - Taphonomical Security: (DNA) Information with a Foreseeable Lifespan (Presenter: Fatima-Ezzahra El Orche)</p> <p>276 - HTTPA: HTTPS Attestable Protocol (Presenter: Hans Wang)</p> <p>277 - HTTPA/2: A Trusted End-to-End Protocol for Web Services (Presenter: Hans Wang)</p> <p>213 - Qualitative Analysis of Synthetic Computer Network Data using UMAP (Presenter: Pasquale Zingo)</p> <p>96 - Device for People Detection and Tracking using Combined Color and Thermal Camera (Presenter: Aleksander Nawrat)</p>