Paper ID	Paper Title	Name of Presenter	Country
11	Control and stabilization of dynamical chaotic systems	Kamel GUESMI	Algeria
30	Research on Nonbinary LDPC-OTFS Scheme in High Mobile Communication Scenarios	Hai Tian	China
31	Security Paradigms In SDLC Requirement phase – A Comparative Analysis Approach	Pir Hamid Ali Qureshi	Pakistan
34	Digital Transformation in Oil and Gas Industry: Developing an OSDU Third-Party Application	Imran Harith Bin Azmy	Malaysia
37	Emotions Based Voice Supportive Model Using SVM	Dr.A.Senthil Kumar	INDIA
40	WBAN System Organization, Network Performance and Access Control: A Review	Israa Al_Barazanchi	Malaysia
66	Prototype Design and Development of a Smart Home	Sadequl Islam	Bangladesh
73	Resource-Aware Optimization of FPGA OpenCL Kernels	ahmad alzoubi	Germany
76	Features of Separation and Downloading Software of Measuring Instruments	Oleh Velychko	Ukraine
83	Manifold Regularized Convolutional Neural Network	Manar Samad	USA
87	CONTINGENCY APPROACH TO THE MANAGEMENT OF A COMPLEX FRACTIONATING COLUMN IN TERMS OF QUALITY INDEX AND TECHNICAL AND ECONOMIC EFFICIENCY	Alexander Verevkin	Russian Federation
89	A Federated Learning Approach to Pneumonia Detection	Saadat Hasan Khan	Bangladesh
91	Insurance Assessment Based on the Big Data of Driver Historical Timeline and Car Accident Occurrence	Yung Gi Wu	Taiwan
92	Forensic of Solar PV: A Review of Potential Faults and Maintenance Strategies	Siti nor azlina Mohd Ghazali	Malaysia
95	Importance Of Continuous Improvement of Machine Learning Algorithms From A Health Care Management And Management Information Systems Perspective	Abdulhafis Abdulazeez	Nigeria
97	Recent advances in detection and prediction of customers energy consumption patterns through the use of machine learning techniques	Guilherme Alberto Sousa Ribeiro	Brazil
98	Trace-Driven Haptic Traffic Characterization for Tactile Internet Performance Evaluation	Amin Ebrahimzadeh	Canada
99	A Model for Understanding Project Requirements based on CMMI Specifications	Ammar Odeh	Jordan
101	Real-Time Edge Framework (RTEF): Decentralized Decision Making for Offloading	Volkan Gezer	Germany
103	Device Identification Using Discrete Wavelet Transform	Supriya Yadav	UK
107	Digital Applications for Eye-Health Screening of Children: Challenges, Opportunities and Solutions	Ikram Asghar	UK
110	Feature Selection Method AUC-Based with Estimation Probability and Smoothing	Guilherme Alberto Sousa Ribeiro	Brazil
111	A Novel Deep Learning Architecture for Data-Driven Energy Efficiency Management (D2EEM) - Systematic Survey	Shamim Akhtar	Saudi Arabia
112	The sleeping positions that affect the heartbeat signal for normal subjects	Neramitr Chirakanphaisarn	Thailand
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116	A Systematic Framework of Application Modernization to Microservice based Architecture	Immaculee Joselyne Munezero	Rwanda
120	Interference Detection and Suppression by Phase-Only Control of Antenna Array	Taisir Ismail	Jordan
122	Comparison of Deep Learning Models AlexNet and GoogLeNet in Detection of Pneumonia and Covid19	yarenozsoyy@gmail.com	Turkey
123	Decision Support System for Operational, Financial, Performance and Risk Indicators of Maturity Models over Cloud-Based Software	Fatih İstanbul	Turkey
129	Millimetre Wave Receiver for Radar Detection with Vision and Optical Fusion	Wen-Cheng Lai	Taiwan
130	Computational Analysis of Shielded Twisted Pair Cable Based on MoM-MLFMM Algorithm	Abdul Mueed	China
133	Autonomous Navigation and Room Categorization for an Assistant Robot	Doga Yamac Ozgulbas	USA
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144	A Preliminary Study on Handwriting Classification Using Pen Pressure Patterns	Yoko Seki	Japan
145	Enhanced Vaccine Recommender System to prevent COVID-19 based on Clustering and Classification	Refed Adnan Jaleel	Iraq
146	EN 15193, Lighting Energy Numeric Indicator: LENICALC calculations in a retirement home case study	Simonetta Fumagalli	Italy
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156	Interval-valued Data Ward's Hierarchical Agglomerative Clustering Method: Comparison of Three Representative Merge Points	Sergio Mario Lins Galdino	Brazil
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159	Real-Time Implementation of Adaptive Traffic Control System using IoT	Sohaib Aslam	Pakistan
160	Voltage Unbalance Compensation for Islanded Microgrids with Hybrid Control Approach	Eduardo Vasquez Mayen	Belgium
162	Interval-valued Data Ward's Minimum Variance Clustering - Centroid update Formula	Sergio Mario Lins Galdino	Brazil
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169	Mitigation of undesired influence of micro-PV installations on the Low Voltage network by means of a hybrid storage system.	Krystian Mr Machaj	Poland
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209	A Smart IoT based Fruit Fly Monitoring System	Alisha Abdoola Cassim	Mauritius
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236	On AutoMLs for Short-Term Solar RadiationForecasting in Brazilian Northeast	Hugo Abreu Mendes	Brazil
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250	A Review on Learning-based Detection Approaches of the Kernel-level Rootkit	Mohammad Nadim	USA
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307	Online Social Network Interactions (OSNI): A Novel Online Reputation Management Solution	Farhat Samara	USA
311	Detection and Classification of Skin Lesion Based Neural Networks	Prof. Dr. Hadeel Nasrat Abdullah	Iraq
312	Exploring the Need For an Updated Mixed File Research Data Set	Simon Davies	UK
314	Optimization of Tri-band Bow-Tie Aperture Antenna Using Genetic Algorithm and Particle Swarm Optimization	Waleed Obaid	UAE
316	Automatic Key Phrase Extraction	Omar Almutiry	Saudi Arabia
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326	Performance Evaluation Study of MOSFET Devices After S-band Pulsed-RF Accelerated Tests	Mohamed Ali Belaid	Saudi Arabia
329	Compact Microstrip Antenna for Ultra-Wideband Applications Using SIR Feeder	Maryam Salah Jameel	Turkey
330	Image Registration by Affine-ORB on SAR and UAV Images to Find Object Geolocation	Ebrahim Najafi	Russia
341	Diagnosing Pneumonia from Chest X-Rays Using Optimized Residual Network	Lamiaa Ali Ahmed Said	Egypt
342	Massive MIMO Channel Feedback Compression in 5G context: Compress Sensing or Lossless Compression	Moussa DIALLO	Senegal
345	Power Generation Voting Prediction Model of Floating Photovoltaic System	ALI LARI	UK
350	Class 3 Wiener Filtering for Underwater Image Enhancement and Restoration	Mat Kamil Awang	Malaysia
351	DepthNet: A Monocular Depth Estimation Framework	ANUNAY	India
352	Offshore Wind Energy in Ice Prone Cold Regions- An Overview of Technological Gaps and Needs	Syed Abdur Rahman Tahir	Norway
356	Development of a Vision System to Enhance the Reliability of thePick-and-Place Robot for Autonomous Testing of Camera Module used in Smartphones	Hoang Anh Phan	Ecuador
365	Development of a Vision System to Enhance the Reliability of the Pick-and-Place Robot for Autonomous Testing of Camera Module used in Smartphones	Hoang-Anh Phan	Vietnam
367	Aggregators and Prosumers - An Analysis of Business Model Opportunities	Lasse Berntzen	Norway
370	Implementation of Second Conductive Filler to Improve the Properties of Hybrid Graphite Composites	Hendra Suherman	Indonesia
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373	An Autonomous Intrusion Detection System for Ethernet-Based Avionics Communication Bus	Muhammad Hassan Naeem	Pakistan
376	Tailored Software Design for Remote Communication Skill Development in Software Engineering Curriculums	Tharanga Peiris	Sri Lanka
377	Accelerating Object Detection Models Inference within OpenVINO Deep Learning Workbench	Alexander Demidovskij	Russia
379	On Predictive Evaluation of Sub-Objectives for Quality Assurance of Vacuum Assisted Resin Infusion of Large Composite Structures	Sergey Shevtsov	Russia
380	Towards A Fuzzy Rule-Based Approach for Patient Flow Management in Emergency Department During the COVID-19: Sahloul Hospital Case Study, Tunisia	Imen Hamzaoui	Tunisia
381	A Compact Coplanar Waveguide Fed UWB Antenna for Energy Harvesting Applications	Maryam Salah Jameel	Turkey

382	Energy-Efficient Resource Allocation Scheme in Hybrid Heterogeneous Networks with mmWaveBase Stations	Gibril Njai	Sierra Leone, Freetown
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394	Improved Pattern Search Method based Adaptive Sliding Mode MPPT Control of Solar Photovoltaic System	Hina Gohar Ali	Pakistan
396	Performance Analysis of Self-adaptive Policies in Containerized Microservices	Mehdi SLIEM	Algiers
397	Design of a 1 MW Grid-tied Photovoltaic System	Abdelrahman Alblooshi	
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416	Depth of Compressive Residual Stress Enhancement In Laser Shock Peening of Power Generation Turbine blades	Festus Fameso	South Africa
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425	Configurable Flash Filesystem for Low-Power Sensor Devices	Ondrej Kachman	Slovak Republic
427	A technological intervention for improving cognitive abilities based on the preferences of Autistic children	Premarathne R. D. A. R.	Sri Lanka
428	Transfer learning for the Riemannian tangent space: Applications to Brain-Computer Interfaces	Alexandre Bleuzé	France
430	Review of Current Ransomware Detection Techniques	Simon Davies	UK
432	A Study of the Influence of Microstructure, Nodulation and Barrier on Signal Integrity	Ting-Yu Chou	Taiwan
435	Autoencoder-based intrusion detection system	Firuz Kamalov	UAE
438	A Comparative Study of MPI-IO Libraries for Offloading of Collective I/O Tasks	Ayse Bagbaba	Germany
443	Enhanced System For Computer Aided detection of MRI Glioblastoma	Ammar Alzuhair	Saudi Arabia
444	Linearised Bipolar Power Flow for Droop-controlled DC Microgrids	Eduardo Vasquez Mayen	Belgium
445	Dynamic Chatbot for Parking Services	Anirudh Ayyagari	New Zealand
446	Techno-Economic Analysis of Renewable Energy-Powered RO Desalination System under Various Energy Storage Scenarios	Mohannad Qawasmi	Canada
448	2-D Air Combat Maneuver Decision Using Reinforcement Learning	Ahmet Semih TAŞBAŞ	Turkey
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453	A Robust Control Scheme for an Experimental Hydraulic System	Michael Skarpetis	GREECE
454	Leaning processes by mobile technologies in a Product Development Sample Shop	Gabriela da Rosa Witeck	Portugal
455	Improving the I/O Performance of Applications with Predictive Modeling based Auto-tuning	Ayse Bagbaba	Germany
458	A Compact Multi-slotted Quadband Antenna Array for 5G mmWave Applications	Maryam Rasool	Pakistan
461	Application of Blockchain in Green Energy for Sustainable Future	mishaal ahmed	Pakistan
462	Towards modeling structures of the game worlds by systems of graphs	Iwona Grabska-Gradzińska	Poland
463	Investigation of Enhanced Mathematical Model For Traffic Engineering Fault-Tolerant Routing	Oleksandr Lemeshko	Ukraine
465	Reference Architectures for Smart Grids: Towards a Standard-based Comparative Framework	Afef Awadid	France
466	From BPMN to smart contracts on blockchains: Transforming BPMN to DE-FSM multi-modal models	Christian Gang Liu	Canada
472	Security Analysis of AWS-Based Video Surveillance Systems	Davies Aklamati	USA
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485	New Industrial Internet of Things Platform for Predictive Maintenance In Handling Heavy Equipment	Esteve Hassan	Canada
487	A deep learning model for CXR-based COVID-19 detection	Ayoub LAOUAREM	Algeria
489	Parameter Identification of DC Motor Drive Systems using Particle Swarm Optimization	Ishaq Hafez	UAE

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493	Deep Learning For Intra Frame Coding	Maraoui anma	Tunisia
496	Evaluation of Machine Learning Algorithms for Multiclass Classification of Voice Calls from Power Systems Operations	Matheus Nascimento Soares Marques de Lima	Brazil
498	Automate platform for Capturing and Counting ELISpot on 96-Well Plate	Chayatorn Kukiattikoon	Thailand
503	Straight line detection using Euclidean distances between consecutive pixels	Enock T Chekure	South Africa
504	HyperExtended LightFace: A Facial Attribute Analysis Framework	Sefik Ilkin Serengil	Istanbul
505	Analysis of Through Silicon Vias and substrate coupling in 3D CMOS circuits by Spice simulations	Mohamed El Amine Benkechkache	USA
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