

List of accepted papers in COMSYS-2022

Paper ID	Title
3	TLMACNN: Improving efficiency of spinal cord image segmentation using transfer learning inspired masked region-based augmented convolutional neural network
11	AVENet:Attention based VGG 16 with ELM for obscene image classification
15	INTERACTIONS ANALYSIS BETWEEN FDA APPROVED DRUGS AND BILE SALT EXPORT PUMP (BSEP) PROTEIN USING MOLECULAR DOCKING
17	Cryptanalysis of Markle Hellman Knapsack Cipher using Cuckoo Search Algorithm
20	A New Approach for Fragment Assembly in DNA Sequencing
21	DNA Sequence Analysis Based on Feature-set
25	Generating a Suitable Hash Function using Sudoku for Blockchain Network
26	Optimizing Throughput Using Effective Contention Aware Adaptive Data Rate in LoRaWAN
27	Analyzing Market Dynamics of Agricultural Commodities: A Case Study based on Cotton
28	Why Traditional Group Key Management Schemes Don't Scale in Multi-group Settings?
30	Implementation of few Deep Learning models to detect Alzheimer's disease
31	Feature Selection for Nepali Part-Of-Speech Tagging in a Conditional Random Fields based System
33	ESCA: Embedded System Configuration Assistant
34	Cardiotocography Fetal Health Data Analysis using Machine Learning
36	On Detection of Hardware Trojan in Memristive Nanocrossbar-Based Circuits
37	Multiobjective Differential Evolution for Predicting Protein-Protein Interactions using GO-based Semantic Similarity Measures
39	Robust control of pulsatile ventricular assist devices for patients with advanced heart failure
40	Design and Development of a ML-based Safety-Critical Fire Detection System
45	Performance analysis of a Chaotic OFDM-FSO Communication System
46	Gated Recurrent Unit (GRU) in RNN for traffic forecasting based on time-series data
47	Compressed Image Super-Resolution using Pre-trained Model Assistance
48	Diagnoses of Covid-19 using Radiographic Chest X-Ray images based on Deep Neural Networks.
52	Optimization of Character Classes in Devanagari Ancient Manuscripts and Dataset Generation
54	RESPECTO: Now we may go alone, safety in our hand
55	Enhancing Security Mechanism of MQTT Protocol Using Payload Encryption
56	Recent Trends in Cryptanalysis Techniques: A Review
57	A New Approach of Pharmaceutical Product Verification using Barcode and QR Code
58	Deep Learning based Classification of Rice Varieties from Seed Coat Images
59	User Perception and Actions Through Risk Analysis Concerning Cookies
62	Leaf Based Plant Disease Detection Using Intelligent Techniques – A Comprehensive Survey
63	Bengali Document Retrieval Using Model Combination
65	DeConPPI: Deep Consensus based prediction of Protein-Protein Interactions
66	Deep Neural Networks Fused with Textures for Image Classification
67	Hypertension Prediction by using Machine Learning Algorithm based on Physiological Parameters
70	SmartGP: A Framework For a Two-Factor Graphical Password Authentication Using Smart Devices
71	LSIP: Locality Sensitive Intensity Projection for 2D mapping of high-res 3D images of dendritic spines
73	Impact of Existing Deep CNN and Image Descriptors empowered SVM Models on Fingerprint Presentation Attacks Detection

74	Centralized Approach for Efficient Management of Distributed Linux Firewalls
78	Network Topology and Functional Implications in Analyzing Protein Interaction Networks
82	On construction of rectilinear Hull of a set of Digital object
83	NCSML-HDTD: Network Centrality and Sequence-based Machine Learning Methodology for Human Drug Targets Discovery of Covid 19
86	A Manufacturer Agnostic IoT and AI-based System for Continuous Real-time Recording of Parameters from a Patient Monitor Display
87	A General System for Dataset Generation from Smartwatch Sensors for Biomedical Research
89	Real Time Prediction of In-Hospital Outcomes using a Multilayer Perceptron deployed in a Web-based Application
90	OPCML Methylation and the Risk of Breast and Ovarian Cancer: A Meta and Bioinformatics Analysis
98	An efficient PMOS-based LDO design for large loads
99	Automated analysis of Connections in Model Diagrams
102	Deep Visualisation based Interpretable Analysis of Digital Pathology Images for Colorectal Cancer
105	Further Improved 230 nW Ultra-Low Power 1-nA Current Reference Circuit with an Extremely Low Line Sensitivity (0.0004%/V) and 140 ppm/C Temperature Coefficient
107	Performance Analysis of Multivariate Autoregression based EEG Data Compressor Circuit
108	A New Method to Detect the Dissimilarity in the Blood Flow of both Carotid Arteries using Photoplethysmography
115	Performance comparison of inverter based delay cells of Ring DCOs for Low-Band 5G Transceiver
116	A Wideband CMOS LNA Operating at 4.9-8.9 GHz Using Body Floating Technique
117	A 3.6-6.3 GHz High Gain Wideband LNA using Cascode Topology
121	An Improved (24, 16) OLS Code For Single Error Correction-Double Adjacent Error Correction-Triple Adjacent Error Correction
122	Deep Learning for segmentation of polyps for early prediction of Colorectal Cancer: A prosperous direction
123	No-reference Image Quality Assessment using Meta-Learning
125	Reduction of current-collapsing in small gate to drain length AlGaIn/GaN Superjunction HEMT for high frequency application
126	A Survey on COVID-19 lesion segmentation techniques from chest CT images
128	A blockchain-based biometric protection and authentication mechanism