2022 Fifth College of Science International Conference of Recent Trends in Information Technology (CSCTIT 2022)

Baghdad, Iraq
15 – 16 November 2022

IEEE Catalog Number: CFP22CY5-POD
ISBN: 979-8-3503-3493-7

Copyright © 2022 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number: CFP22CY5-POD
ISBN (Print-On-Demand): 979-8-3503-3493-7
ISBN (Online): 979-8-3503-3492-0

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

No.	Title of Papers	Pages
1-	Deep Learning Classification based on Merge Ear and Single Finger Geometry Dataset	1-5
2-	Controlling Covid-19 with Internet of Thing (IoT) Technologies: A Review	6-11
3-	IPv6 Link-Local Network SLAAC Attack Detection Mechanisms: A Review	12-17
4-	The Optimize Homotopy Analysis Method Using a Genetic Algorithm for Solving System of Linear Volterra Integral Equations	18-24
5-	Intelligent Pizza Vending Machine Intelligence via Cloud and IoT	25-30
6-	Two Methods for Underwater Images Color Correction: Gamma Correction and Image Sharpening Algorithms	31-35
7-	A Survey on Fruit Fly Optimization Algorithm (FOA) in Robust Secure Color Image Watermarking	36-42
8-	Approximation Algorithm Applications in Artificial Intelligence: A Review	43-48
9-	Solving The Model of Two Dimensional RDB System by Modified Variational Iteration Method with Genetic Algorithm	49-54
10	A Printed Monopole Antenna Array Inspired by Historical Cities in Iraq	55-59
11	Improving Low Resources Arabic Speech Recognition Using Data Augmentation	60-65
12	Hyperparameter Optimization of Deep Learning Models for Fall Recognition using Tree-structured Parzen Estimator	66-71
13	A New Proposed Technique For Object Identification Using Permanent Magnet Pieces	72-78
14	Collaborative Training of Acoustic Encoder for Recognizing the impaired children speech	79-85
15	Iraqi Stock Market Prediction Using Hybrid LSTM and CNN Algorithm	86-92
16	Video Data Authentication Using a Smart Contract Published on the Blockchain	93-99
17	A Multi-Weapon Detection Using Synthetic Dataset and Yolov5	100-104
18	Detecting and Analyzing Harmful Behavior on Social Media	105-110
19	Security against Ransomware Attack in Medical Healthcare Records Using Blockchain Technology	111-117
20	Crop Sorting Using Image Segmentation and Artificial Intelligence: A Review	118-124
21	Increased Efficient and Robust 3D Palm Print Identification using Deep Learning	125-130
22	A New Secure Encryption Algorithm Based on RC4 Cipher and 4D Hyper chaotic Sprott_S System	131-136
23	Encryption of Military Maps ImagesUsing Peter De JongChaotic Maps and Light weight Encryption	137-142
24	Sumudu Homotopy Perturbation Method (SHPM) Tosol Vehirota-Satsuma Coupledkdv System	143-147
25	Literature Review of Quantum-dot Cellular Automata (QCA) Technology used in Cryptography	148-153

No.	Title of Papers	Pages
26	Order of Fourier Descriptor Effect on Geometrical Shapes	154-157
27	Applied Augmented Reality in Entertaiment with Behavior and Geometry Consistency	158-163
28	An Efficient Bandwidth Based on the Cryptographic Technique of the RSA Accumulator in Blockchain Networks	164-168
29	Enabling the Community Detection with Graph Auto encoder using node features in the Social Networks	169-174
30	3D-Finger knuckle Recognition using	175-178
31	Survey on Modern Applications of Multiple Unmanned Aerial Vehicles (UAV) Systems	179 -184
32	Role of YARA Tool in Intrusion Detection Systems (IDS): Review	185-190
33	A Survey on Semantic Recommendation System based on Linked Open Data(LOD)	191-197
34	Face Detection Using Haar Cascade Algorithm	198-201
35	Facial Expression Recognition in Static Images for Autism Children using CNN Approaches	202-207
36	Websites Performance Evaluation Based on Software Engineering Metrics Of Multi-Level Testing	208-213
37	Enhancement Cooperative Spectrum Sensing In Cognative Radio Network	214-218
38	A Compact Ultra-Wideband MIMO Antenna with Uniplanar EBG and Ground Stub for Mutual Coupling Reduction	219-224
39	Performance comparison of deep learning algorithms in Twitter bot detection	225-229
40	Automatic Facial Emotion Recognition: A Review	230-235
41	RGB Image Encryption Approach Built on a New Chaotic System with DNA Coding	236-241
42	Robust Watermarking in Video using Discrete Cosine Transform and Facial Landmarks	242-247
43	A Survey on Speech Encryption Using Chaos Map	248-253
44	Classification Arabic and Dialect Iraqi Spoken to Sign- Language Based on Iraqi Dictionary	254-259
45	Adapt Gamification to Learners' Preferences	260-264
46	Design and Implementation of a Vehicle Tracking System Using the Internet of Things (IoT)	265-270
47	Area Spectral Efficiency Based Device-to-Device Communication	271-276
48	The Backoff in Intermediate Networks for a Real-Time System Embedded Ethernet	277-281
	Keynote Talks	
49	The Future of Cybersecurity	282
50	Author Index	