2022 International Conference on Computer and Applications (ICCA 2022)

Cairo, Egypt
20-22 December 2022

IEEE Catalog Number: CFP22L64-POD
ISBN: 978-1-6654-5295-3

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: CFP22L64-POD
ISBN (Print-On-Demand): 978-1-6654-5295-3
ISBN (Online): 978-1-6654-5294-6

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

Improve Data Mining Techniques with a High-Performance Cluster, ***Heba Mohammed Fadhil, Zainab Abdulnasser and Shahad Mohammed***	***1-5***
IoT E-health System for Cardiac Telemonitoring, ***Heba Mohammed Fadhil, Haneen Salah Hassan and Esraa Muneer Abed***	***6-11***
LegitVote: A Blockchain-Based System to Facilitate E-Voting Process, ***Oscar Ikundi, Kingsley C. Nwosu and Musbah Abdulgader***	***12-18***
Optimum Operation and Cost Scenarios of a Hybrid Wind/PV/Battery in a Radial Network using Firefly Algorithm and Surrogate Optimization, ***Mohamed Els. S. Abdelwareth, Dedet Candra Riawan and Chow Chompoo-inwai***	***19-24***
Tibia Player Profiling and Modelling using Machine Learning, ***Mohamed Elsayed, Abeer Hamdy and Ahmad Mostafa***	***25-30***
Q-learning and Simulated Annealing-based Routing for Software-defined Networks, ***Marwa Kandil, Mohamad Khattar Awad, Eiman Mohammed Alotaibi and Reza Mohammadi***	***31-40***
An Advanced Deep Learning Medical Image Recognition and Diagnosis of Respiratory System Viruses, ***Mazhar B. Tayel, Adel M. El Fahar and Ahmed M. Fahmy***	***41-45***
BADR: A Talking Face To Teach Arabic Vocabulary Under COVID-19, ***Zeyad Ali, Moutaz Saleh, Sumaya Al-Maadeed, Jihad AlJa'am, Dominic Massaro and Imad Salah***	***46-50***
Measuring Google Classroom's Usability Level from an Expert Perspective, ***Emi Iryanti, Sri Suning Kusumawardani, Indriana Hidayah and Ranty Deviana Siahaan***	***51-56***
A Novel Non-Inverting Quadratic Double Switch Buck Boost Converter for Charging Lithium-Ion Batteries in Electrical Vehicles, ***Amr Kamal Mohamed and Hany A. Bastawrous***	***57-60***
Application Mapping onto Network on Chip Using Particle Swarm Optimisation with Genetic Algorithm, ***Maamar Bougherara, Amara Rafik and Rebiha Kemcha***	***61-66***

The Influential Factors for ICT Adoption: Survey of Teachers in the Higher Educational Institutions in Bauchi State, ***Auwal Ahmad, Yakubu Nuhu Danjuma and Abubakar Abdullahi Hamani***	***67-70***
Ranking of SADC Countries E-Government Information Services Based on Citizen Satisfaction, ***Caroline Mukumbareza, Oludayo. O. Olugbara and Timothy T. Adeliyi***	***71-76***
Machine Learning Methods for Dysgraphia Screening with Online Handwriting Features, ***Jayakanth Kunhoth, Somaya Al Maadeed, Moutaz Saleh and Younus Akbari***	***77-82***
Mobile Application to Locate and Track Person's Whereabouts and Send SOS Messages, ***Heba Mohammed Fadhil, Mohammed Dheyaa Ibrahim and Al Taib Faris Abd-Alsattar***	***83-87***
Smart Healthcare Medical Bracelet using the Internet of Things, ***Muna M. Hummady and Heba Mohammed Fadhil***	***88-94***
Semi-Supervised Machine Learning Applications in RAN Design: Towards Data-Driven Next Generation Cellular Networks, ***Ayman Gaber, Tamer Arafa and Nashwa Abdelbaki***	***95-99***
A Brief History of Deep Learning-Based Text Generation, ***Anil Bas, M. Onat Topal, Cagdas Duman and Imke van Heerden***	***100-103***
Methods for Handling Spontaneous Health Arabic Queries using Unsupervised Machine Learning, ***Daoud Daoud, Samir Abou El-Seoud, Fuad Alhosban and Ali Farhat***	***104-109***
Design Mobile Application for Blood Donation System, ***Muna M. Hummady***	***110-114***
A Machine Learning Based Analysis Between Climate Change and Human Health: A Correlational Study, ***Md. Fahim, Md. Ekhtiar Uddin, Rizve Ahmed, Md. Rashedul Islam and Nadeem Ahmed***	***115-120***
The Evolution of Cryptocurrency and Cyber Attacks, ***Hala Strohmier Berry***	***121-127***
The Intercorrelations Among Risk Factors and Trust Dimensions in S-Commerce: An Empirical Investigation from the User Experience, ***Mousa Al-Kfairy and Ahmed Shuhaiber***	***128-132***
Feasibility Study of Using Predictive LTE Connection Selection from Multi-Operator for Teleoperated Vehicles, ***Ahmed Maher Mohamed and Nashwa AbdelBaki***	***133-138***
A Deep Learning Approach for Minimizing False Negatives in Predicting Receipt Emails, ***Chanda Hirway, Enda Fallon, Paul Connolly, Kieran Flanagan and Deepak Yadav***	***139-145***
Twitter sentiment analysis to understand students' perceptions about online learning during the Covid'19, ***Feras Al-Obeidat, Mariam Ishaq, Ahmed Shuhaiber and Adnan Amin***	***146-152***

Digital Educational Platforms in Modern Russia: Technologies, Solutions, Risks and Services in the Context of Smartization, ***Daria Maltseva, Daniil Fedotov, Andrey Aleynikov and Olga Safonova*** ***153-156***

Towards a Smart Electric Grid in Abu Dhabi: Models' analysis and an Infrastructure and Architecture Proposition, ***Abdulla Naser Alzaabi, Dheyab AlKaabi and Ahmed Shuhaiber*** ***157-161***

Motivation and Hurdles for the Student Adoption of Metaverse-based Classroom: A Qualitative Study, ***Chanda Hirway, Enda Fallon, Paul Connolly, Kieran Flanagan and Deepak Yadav*** ***162-166***

Usability Evaluation of a Muscle Strength Training System for Older Adults, ***Hsin-Pei Tsai, Chun-Ching Chen and Chih-Wei Peng*** ***167-171***

Flower Pollination Algorithm FPA used to Improve the Performance of Grid-Connected PV Systems, ***Husam Ali Hadi, Abdallah Kassem, Hassan Amoud and Safwan Nadweh*** ***172-178***

Towards a Smart Electric Grid in Abu Dhabi: Models' analysis and an Infrastructure and Architecture Proposition, ***Abdulla Naser Alzaabi, Dheyab AlKaabi and Ahmed Shuhaiber*** ***179-185***

Diverse Approaches Have Been Presented To Mitigate SQL Injection Attack, But It Is Still Alive: A Review, ***Mohammad Qbea'h, Saed Alrabaee, M. Alshraideh and Khair Eddin Sabri*** ***186-190***

The digital and Cyberspace Modernization Strategy; A Possible Strategical Roadmap to Transform Traditional Military Organizations into a Smart Military Through the Emerging Information Technology, ***Ahmad Salem*** ***191-198***

Examining The Effects of Playing Difficulty and Playing Duration in Unwinnable Persuasive Games, ***Reza Giga Isnanda, Paulus Insap Santosaa and Rudy Hartanto*** ***199-205***

A Preliminary Study on Interdisciplinary Programming Learning Based on Cloud Computing Low-code Development Platform, ***Chung-Hsiang Wang and Ko-Chiu Wu*** ***206-210***

Domain-Specific Text Generation for Arabic Text Summarization, ***Jezia Zakraoui and Jihad AlJa'am*** ***211-214***