2024 Third International Conference on Distributed Computing and High Performance Computing (DCHPC 2024)

Tehran, Iran
14-15 May 2024

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

CURRAN ASSOCIATES INC.
proceedings
.com

#Row	AUTHORS	ARTICLE TITLE	PAGE #
1	Masoud Arjmand , Saman Kazeminia, Hedieh Sajedi	Bitcoin price prediction based on financial data, technical indicators, and news headlines sentiment analysis using CNN and GRU deep learning algorithms	1
2	Fatokun Faith B., Zalizah Awang Long, Suraya Hamid	Promoting Cybersecurity Knowledge via Gamification: An Innovative Intervention Design	8
3	Leila NamvariTazehkand, Saied Pashazadeh	Modeling and Verification of the Causal Broadcast Algorithm Using Colored Petri Nets	16
4	Mahmood Fazlali , Mina Mirhosseini , Mahyar Shahsavari, Alex Shafarenko, Mashallah Mashinchi	GPU-based Parallel Technique for Solving N-Similarity Problem in Textual Data Mining	28
5	Leila NamvariTazehkand, Ali Ebnenasir	A Novel Approach for Specification and Verification of Symmetric Distributed Algorithms Using SPIN	34
6	André Wyzykowski , Breno Coelho, Darlan Anschau, Lucas Santos, Gabriel Sousa , Andre Lima	Optimizing Geophysical Workloads in High-Performance Computing: Leveraging Machine Learning and Transformer Models for Enhanced Parallelism and Processor Allocation	43
7	Mahdi Movahedian Moghaddam, Alireza Afzal Aghaei, Kourosh Parand	Rational Jacobi Kernel Functions: A novel massively parallelizable orthogonal kernel for support vector machines	57
8	Mehran Tarif, Mehdi Effatparvar, Babak Nouri Moghadam	Enhancing Energy Efficiency of Underwater Sensor Network Routing Aiming to Achieve Reliability	65
9	Najma Soltani, Nasrin Aghaee	Image Thresholding Based on Sailfish Optimizer Algorithm	72
10	Parsa Haddadian, Roya Booryaee, Rooholah Abedian, Ali Moeini	Multi-hop Attention-based Graph Pooling: A Personalized PageRank Perspective	82
11	Parham Ghanemipour, Ali Kamandi	Analyzing Complex Contagion Effects in Donation Diffusion: A Hybrid Network Science and Neural Network Approach	89
12	Fariborz Parandin, Alireza Mohammadi	Enhancing the Performance of Photonic Crystal AND Gates with Machine Learning Optimization	96
13	L Sherin Beevi, DR. Joe Prathap P. M., Pulimi Hanith Sai Kumar Reddy, Gomasani Bhanu Sai Priya	Small Intestine Cancer Prediction using Deep Learning: A Comparative Study of CNNs and RNNs	103
14	Mohammadreza Zamani, Amir Kalbasi	IoT-Based Intelligent Transportation System for Passenger-Shuttle Taxi Matchmaking	108
15	Alireza Mohammadi, Fariborz Parandin, Hosna Ghahramani	Neural Network-Driven Optimization of Photonic Crystal-Based All-Optical NOT Gate Design	116
16	Pedram Amini, Amir Kalbasi	An Adaptive Task Scheduling Approach for Cloud Computing Using Deep Reinforcement Learning	122
17	Mehdi Bagheri, Gholamreza Karimi	Design and Simulation of a NAND Gate based on 2D Photonic Crystals	131
18	Abbas Fadhil Mahdi, Furkan Rabee	A Blockchain Mining Proof of Work Approach Based on Fog Computing Virtualization for Mobile CrowdSensing	136
19	Arash Khosravi, Ahmad Azarnik, Mohammad Kalhor, Maliheh Ghasemzadeh	Enhanced Gray Wolf Optimizer For Exploring Social Network Communities,	145
20	Mahnaz Afshari, Taghi Javdani Gandomani,	Enhancing Software Effort Estimation with Ant Colony Optimization Algorithm and Fuzzy-Neural Networks	151
21	Asefeh Asemi, Andrea Ko	Contribution & Power of Virtual Reality in Corporate World: A Conceptual Review,	157