

Journal of Advances in Information Technology

CONTENTS

Volume 13, Number 3, June 2022

| | |
|---|-----|
| Integrating Dependability Concepts while Selecting Cloud Service for Big Data..... | 203 |
| <i>Fatima Ezzahra Mdarbi, Nadia Afifi, and Imane Hilal</i> | |
| Automating Smart Contract Generation on Blockchains Using Multi-modal Modeling | 213 |
| <i>Christian Gang Liu, Peter Bodorik, and Dawn Jutla</i> | |
| Analysis of fMRI Time Series: Neutrosophic-Entropy Based Clustering Algorithm | 224 |
| <i>Pritpal Singh, Marcin Wątorrek, Anna Ceglarek, Magdalena Fafrowicz, and Paweł Oświęcimka</i> | |
| A Psychotherapy Telemedicine System Using Sensory Substitution Feature for Audio-Based Interventions with Security Posture Evaluation..... | 230 |
| <i>Mary Jane C. Samonte, Gerardine Anne J. Anson, Angela Mae V. Encinas, and Mark Anthony V. Marin</i> | |
| Content-Based Image Retrieval Using AutoEmbedder..... | 240 |
| <i>Md. Mohsin Kabir, Adit Ishraq, Kamruddin Nur, and M. F. Mridha</i> | |
| Bipartite Graphs and Recommendation Systems | 249 |
| <i>Cristina Maier and Dan Simovici</i> | |
| The Local Branching as a Learning Strategy in the Evolutionary Algorithm: The Case of the Set-Union Knapsack Problem..... | 259 |
| <i>Isma Dahmani, Meriem Ferroum, and Mhand Hifi</i> | |
| Is It Possible to Distinguish COVID-19 Cases and Influenza with Wearable Devices? Analysis with Machine Learning..... | 265 |
| <i>Justyna Skibinska and Radim Burget</i> | |
| Decision Trees Based Performance Analysis for Influence of Sensitizers Characteristics in Dye-Sensitized Solar Cells | 271 |
| <i>Hisham A. Maddah</i> | |
| Methodology for Hydroelectric Potential Evaluation in High Jungle Area with Scarce Topographic and Hydrological Information Using GIS and Algorithm MATLAB..... | 277 |
| <i>José C. Canales Orozco, Maria F. Gonzales Aranzana, and Sissi Santos Hurtado</i> | |
| Workload Prediction Using VMD and TCN in Cloud Computing | 284 |
| <i>Amine Mrhari and Youssef Hadi</i> | |
| The Use of Confidence Indicating Prediction Score in Online Signature Verification..... | 290 |
| <i>András Heszler, Cintia Lia Szücs, and Bence Kővári</i> | |
| Structured Pruning for Deep Neural Networks with Adaptive Pruning Rate Derivation Based on Connection Sensitivity and Loss Function..... | 295 |
| <i>Yasufumi Sakai, Yu Eto, and Yuta Teranishi</i> | |
| Fast and Efficient Feature Selection Method Using Bivariate Copulas | 301 |
| <i>K. Femmam and S. Femmam</i> | |