ISSN Print: 2074-9090, ISSN Online: 2074-9104 Volume 16, Number 1, February 2024

International Journal of

Computer Network and Information Security



IJCNIS Vol.16 Http:// www.mecs-press.org Vol.16 No.1 February 2024



International Journal of Computer Network and Information Security (IJCNIS)

ISSN Print: 2074-9090, ISSN Online: 2074-9104 Volume 16, Number 1, February 2024

Contents

| Machine Learning-based Intrusion Detection Technique for IoT: Simulation with Cooja Ali H. Farea, Kerem Küçük | 1 |
|--|-----|
| Comparative Risk Assessment of Cyber Threats Based on Average and Fuzzy Sets Theory Oleksandr Evgeniyovych Korystin, Oleksandr Korchenko, Svitlana Kazmirchuk, Serhii Demediuk, Oleksandr Oleksandrovych Korystin | 24 |
| Hybrid Spider Monkey Optimization Mechanism with Simulated Annealing for Resource Provisioning in Cloud Environment A. Archana, N. Kumar, Mohammad Zubair Khan | 35 |
| Secure Access of Folders and Files after Removal of Duplicacy over the Cloud Deepika Gautam, Suvendir Rimer, Vipin Saxena | 48 |
| Method of Performing Operations on the Elements of GF(2m) Using a Sparse Table Ivan Dychka, Mykola Onai, Andrii Severin, Cennuo Hu | 61 |
| Energy Consumption-Sensitive Intentional Rerouting of Protected Connections in Elastic Optical Networks Nogbou Georges ANOH, Ali Ouattara KOBENAN, Joël Christian ADEPO, Michel BABRI, Ahmed Dooguy KORA | 73 |
| Container-to-fog Service Integration using the DIS-LC Algorithm <i>Aruna. K., Pradeep. G.</i> | 85 |
| Fault Tolerance Exploration and SDN Implementation for de Bruijn Topology based on betweenness Coefficient Artem Volokyta, Heorhii Loutskii, Oleksandr Honcharenko, Oleksii Cherevatenko, Volodymyr Rusinov, Yurii Kulakov, Serhii Tsybulia | 97 |
| An Enhancement of Identity Based Conditional Privacy-preserving Authentication Process in Vehicular Ad Hoc Networks K. Lakshmi Narayanan, R. Naresh | 113 |
| Auto-metric Graph Neural Network based Blockchain Technology for Secured Dynamic Optimal Routing in MANET | 123 |

Francis H. Shajin, Muthusamy Palaniappan, P. Rajesh