
Journal of Information Security Research Volume 13 Number 1 March 2022

Contents

Editorial	i
Research	
Study of Parasitic Noise in Digital Signal Processing Systems- Zlatka Valkova-Jarvis, Kamelia Nikolova and Venera Dimitrova	1
Study of Blockchain Technology in Some Selected Fields- Samaneh Borji and Mohammadjavad Ashtari	10
Deep Learning Optimization with MNIST and AutoEncoder Data sets- Ajeet K. Jain, PVRD Prasad Rao, K. Venkatesh Sharma	21
Book Review	29
Conference Notification	31
• Third International Conference on Digital Data Processing	

Editorial

We bring the first issue of this volume of the **Journal of Information Security Research**.

In the first paper on “**Study of Parasitic noise in digital signal processing systems**” the authors viewed that the multiplication products cause parasitic noise which affect the system properties. In this work, the authors have used the low sensitivity recursive first order digital systems to study the multiplication of products at poles. The study is able to find the best performed fields of the studied digital signal processing systems.

In the next paper on “**Study of Blockchain technology in some selected fields**” the authors studied the extent to which the digital system requires the consequences of blockchain technology for attaining progress. The authors have found the requirements to achieve the success in the blockchain technology with the introduction of some measures. They have studied some selected fields to find the influence of blockchain technology.

In the last paper on “**Deep learning optimization with MNIST and AutoEncoder data sets**”, the authors have found that with the use of deep learning, optimization approaches are widely used with the development of new features in Stochastic Gradient Descent to convex. The authors have experimented it in MNIST and AutoEncoder data sets. They tested in a variety of applications that can document the common features and differences and suitability of applications.

We hope that these papers can generate wider interest among security researchers.

Editors

