

Guest Editorial Preface

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Special Issue On: Innovations in Distributed Computing & Applications

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The rapid expansion of wireless networks promote exceptional advances in computing and information system. Such advances support the development of sensing technologies, as well as software-defined networks. The purpose of this Special Issue is to solicit manuscripts on the emerging trends, issues, and challenges in Distributed Systems like Sensor, Cloud, Mobile, Ad-hoc networks & Distributed Networks etc. and their applications.

This Special Issue covers five papers related to the theme of the issue.

The paper **“Authorization Model for Securing Cloud SAAS Services (NETFLIX)”** by Tanveer Ahmad et al. analyzed the finest hones over secure cloud environment in authorization perspective based on behavioral biometrics. A conceptual authorization demonstrates is being displayed in this paper to secure cloud services especially SaaS, when unauthorized access is supported by legitimate user. The use case is taken as Netflix.

The paper **“Watermarking of EEG data to provide security based on DWT-SVD and Optimized by Firefly Algorithm”** by Akash Kumar Gupta et al. proposed the optimization of the scaling factor, robustness, and imperceptibility. Further, the performance of the proposed algorithm is also analyzed against various attacks. The results show the adequacy of the proposed algorithm and indicate a higher value of NCC of 0.95 as robustness and PSNR 51.83 as imperceptibility in contrast with the related existing method

The paper **“A Deep Comprehensive Research Architecture, Characteristics, Challenges, Issues, and benefits of Routing Protocol for Vehicular Ad-Hoc Networks”** by Preeti Rani et al. begins by presenting the fundamental structural design of VANETs to provide a thorough account of several available routing procedures that incorporate their benefits and drawbacks. The paper concludes by providing a summary of the available routing protocols that are used in VANETs.

The paper **“A Survey on Deep Learning Techniques in Fruit Disease Detection”** by Kavita Pandey et al. proposed technical analysis of deep learning techniques to predict diseases in fruits have been done in this article. The study also presents a comparative study of image acquisition, image pre-processing and segmentation techniques along with the deep learning models used. The study concluded the fact that the best fit deep learning model can be different depending on the computation power of the system and the data used. Directions of future research have also been discussed in the article.

The paper **“A Granular Approach to Secure the Privacy of Electronic Health Record through Blockchain Technology”** by Megha Jain et al. proposed a blockchain technology based Electronic Health Record portal for patients, doctors, and other users to provide temper proof, secure, and efficient access to health records while maintaining the privacy of patient’s health records. The aim of this paper is to deal with the various needs of patients, doctors, and third parties, as well as to see how the system could resolve privacy and security issues in the healthcare industry.

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Managing Guest Editors

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