

Editorial Preface

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I welcome you to volume 4 issue 1 (2020) of the International Journal of Hyperconnectivity and Internet of Things (IJHIoT). We have four regular papers in this issue.

The first paper of this issue was written by Ayan Chattareje and Nikhilesh Barik, on “A New Data Hiding Scheme using Laplace Transformation in Frequency Domain Steganography.” In the article, the authors worked on the domain steganography. He suggested that in the age of wireless communication, network security is an important issue. Image steganography is a popular approach to make communication secure. Among two categories (spatial domain and frequency domain) of image steganography, frequency domain is more secured than the spatial domain. The proposed scheme develops a secret communication technique in frequency domain steganography. The efficiency and effectiveness of the scheme is evaluated by measuring the hacking chance from different statistical attacks by RS steganalysis and originality of actual cover image after inserting secret information by Mean Squared Error (MSE) and Peak Signal to Noise Ratio (PSNR).

The second paper is the research work by Darrell Norman Burrell et al., “Adopting Organizational Cultural Changes Concerning Whistleblowing in Healthcare Around Information Security in the “Internet of Things” World.” In his work, he states that health organizations are rich with valuable data; on the other hand, these organizations are weak with information security expertise, protocols, and infrastructure. It is critical for more health organizations to focus creating organizational cultures with processes that offer all employees to fully understand the nature of information security risks and have the ability to be active participants in the minimization and reporting of observable risks. This article will lay a foundation to establish techniques and practices for open door policies.

The third paper is written by Cherise M. Cole et al., “Exploring Organizational Development Intervention Around Sexual Harassment in Technical Firms.” In the research work, author excellently share the information and discussion by stating that Significant labor shortages in fields like information technology and information security has created a critical need to recruit, hire, develop and retain more woman. The challenge remains how to make these technical organizations more welcoming and inclusive for women. Sexual harassment continues to be a significant problem in

all workplaces. Research shows that harassment blossoms in careers and organizations where men dominate the majority of all management positions and women have such limited representation within the organization. This case study explores an actual organizational intervention in a technical organization.

The fourth and final paper is “Fruitful Synergy Model of Artificial Intelligence and Internet of Thing for Smart Transportation Systems” written by Vikram Puri et al. in which work about an Internet of Things (IoT) and artificial intelligence-based monitoring device has been proposed for bicycles. This system is a collection of harmful exhaust gas sensor, wireless modules, a GPS receiver, and camera that are capable to send data with time and date stamping. In addition, sensors are also integrated on the bicycle for the fall detection. Artificial neural network (ANN) and support vector machine (SVM) are applied on the data collected at central server to analyze root mean square error (RMSE), and coefficient of correlation (R2). The result shows that ANN performance is better as compared to SVM.

I believe that these four papers together make an interesting issue in IJHIoT volume 4 issue 1. At this juncture, I am thankful to Alexis Miller, assistant development editor for IGI Global. Without her continued support, it was not possible to complete the issue on time. With the completion of this issue, I am looking forward to receiving unpublished research work for volume 4, issue 2 of IJHIoT.

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