Guest Editorial Preface

Special Issue on Transforming Technologies for Adopting Industry 4.0

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The globe is at the onset of the transformation towards the fourth industrial revolution and this revolution is very much driven by the smartness in automating the decision making processes of pervasive things. Cyber-physical systems form the basis of Industry 4.0 *(e.g., 'smart machines')* concerns the linking the automation system with enterprise, planning and product lifecycle by the transformation of industrial processes through the integration of modern technologies such as sensors, communication, and computational processes. Modern control systems, have embedded software systems and dispose of an Internet address to connect and be addressed via IoT *(the Internet of Things)*.

The vision and mission of adopting industry 4.0 is to enable autonomous decision-making processes, monitor assets, and processes in real-time, and enable equally real-time connected value creation networks through early involvement of stakeholders, and vertical and horizontal integration.

The researchers and practitioners are contributed research articles in the special issue on "Transforming Technologies for Adopting Industry 4.0" are listed below:

- A Novel Modulation Scheme of 8 X 8 MIMO in Industry 4.0
- Digital Signature Algorithm for m-payment Applications using Applications using Arithmetic Encoding and Factorization Algorithm
- Prediction of Occupation Stress by Implementing Convolutional Neural Network Techniques
- Hybrid Framework for a Robust Face Recognition System using EVB_CNN
- Information Management Challenges in Autonomous Vehicles: A Systematic Literature Review
- Hybrid Genetic Algorithm with Haar Wavelet for Maximum Target Coverage Node Deployment in Wireless Sensor Networks

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