Foreword and Editorial

International Journal of Hybrid Information Technology

We are very happy to publish this issue of an International Journal of Hybrid Information Technology by Global Vision Press.

This issue contains 2 articles. Achieving such a high quality of papers would have been impossible without the huge work that was undertaken by the Editorial Board members and External Reviewers. We take this opportunity to thank them for their great support and cooperation.

The paper entitled "Latest trends and Major Case Studies of Blockchain Technology", as one key infrastructure technology to lead the Fourth Industrial Revolution, blockchain technology is expected to bring about exciting developments across a variety of fields, such as politics, economy, culture and education. This paper is intended as a general overview of the main features of blockchain technology. In addition, the latest trends and development methods of blockchain technology will be briefly reviewed. The terminology of blockchain infrastructure technology has the potential to foster technological innovation across various industrial sectors as well as improve mutual harmony and understanding of complex structures and diverse phenomena in human society, especially antagonism, confrontation, and ideological conflict. With such progress in social innovation, blockchain technology will render human society more transparent and fair.

In the paper "Blockchain-based power trading process", recently, the paradigm of the power industry has been digitalization with the focus on renewable energy. With this shift toward energy-ICT convergence accelerator, there will also be many changes in effect energy policies. In particular, in terms of energy demand management, there will be regional-centric, self-reliant decentralization, and the activation of distributed energy resources (DERs) including renewable energy will result in the deployment of microgrid-type virtual power plants on a region-wide basis. This paper designs a blockchain-based power transaction process in which individuals (producers) can produce and use power themselves or sell the remaining power to others, rather than transmitting and using the developed power from the existing centralized power.

In the research paper "An Efficient Algorithm for Informational Retrieval using Web Usage Mining", retrieval of information from the database and web log files is very time consuming process. There are many techniques and models to retrieve data from web. There are two types of data available in web i.e. structured and unstructured. If data is structured then retrieval of information is easy task. Otherwise firstly apply algorithm to unstructured data and then models will be apply. Vector space and Boolean models are used for IR. In this paper we compare both Boolean model & Vector Space model techniques to retrieval data from web (log files) and proposed a new algorithm based on time, frequency, memory consumption etc..

"Comparative Review of Floating-Point Multiplier" presents a comprehensive comparative review of existing floating-point multiplier systems. The study focuses on single, double, quadruple and multi-precision floating point multiplier architectures and seeks to identify engineering techniques involved in their development. A comparison of the performance of

these systems in terms of metrics such as path delay, hardware utilization and even power consumption in some case are carried out. Weaknesses in the systems reviewed along with possible gaps in the area of research are identified. This paper also serves to identify several recommendations and considerations for the development of a multi-precision floating point multiplier system capable of treating with the weaknesses of multiplier systems identified.

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Editors of the November Issue on
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