EDITORIAL

A Foreword from the Editor-in-Chief

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Due to the advancement of information technology, Journal of Electronic & Information Systems aims to discover innovative methods, theories and studies in its field by publishing original articles, case studies and comprehensive reviews. Journal of Electronic & Information Systems provides a wide range of readers and authors. A good communication platform, in the expectation, the first issue of the first volume was first published.

Journal of Electronic & Information Systems publishes original research papers that it has officially applied for the electronic ISSN (Online) to be 2661-3204. The current Vol. 1 No. 1 will be issued with electronic publications. In this issue of the public collection section, there are included four articles:

The First article: Measurement for phase difference rate without phase ambiguity. The purpose of the paper is the direction finding solution at the midpoint of a single base array is given for and the several functions relation between phase and frequency is also described. Then, the expression of phase difference rate is described based on the multichannel phase difference measurement.Thus, the function expression can be obtained that is equivalence with the quondam differential function of path differ-

ence and that is nothing to do with the difference item of wavelength integer. On this basic, several parameters are analyzed by using the method of phase difference measurement without phase ambiguity. The research results in this paper are related to engineering practical design related to the phase measuring.

The Second article: A Novel Image Encryption Scheme Based on Reversible Cellular Automata. In this paper, a new scheme for image encryption is presented by reversible cellular automata.Due to reversibility of used cellular automata, decryption scheme can reversely be applied. The experimental results show that encrypted image is suitable visually and this scheme has satisfied quantitive performance.

The Third Article: Computation Offloading and Scheduling in Edge-Fog Cloud Computing. Nowadays, resource allocation and task scheduling in the cloud environment face many challenges. In this article, we review the resource allocation and task scheduling methods in Cloud, Edge and Fog environments, such as traditional, heuristic, and meta-heuristics. The authors also categorize the researches related to task offloading in Mobile Cloud Computing (MCC), Mobile Edge Computing (MEC), and

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Mobile Fog Computing (MFC). Our categorization criteria include the issue, proposed strategy, objectives, framework, and test environment.

The Fourth Article: Development of IoT Based Mobile Robot for Automated Guided Vehicle Application. Mobile robot has been one of the researches focuses in this era due to the demands in automation. The advances in the navigation technology allows the AGV to be used for many tasks. This paper will therefore discuss the development of Internet of Things (IoT) bases mobile robot for AGV application. In this project a mobile robot platform is designed and fabricated. The results show that the prototype is able to follow line and go to any location that was preregistered from the App through the IoT. The mobile robot is also able to avoid collision and any obstacles that exist on its way to perform any task inside the workplace.

In addition, Journal of Electronic & Information Systems publishes original research papers that offers professional review and publication to freely disseminate research findings in areas of Networks and Telecommunication, Human–Computer Interaction, Data Management, High Voltage Engineering and more. The Journal focuses on innovations of research methods at all stages and is committed to provide theoretical and practical experience for all those who are involved in these fields.

Journal of Electronic & Information Systems aims to discover innovative methods, theories and studies in its field by publishing original articles, case studies and comprehensive reviews.

This journal will continue to move towards the internationalization of journals. Thanks to all readers for their long-term support, and welcome you to provide the latest research results to the journal for sharing and exchange.

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