Editorial

David C. Chou

Eastern Michigan University,
Ypsilanti, MI 48197, USA
Email: dchou@emich.edu

1 Introduction

International Journal of Information Systems and Change Management (*IJISCM*) continues to publish its volume 9, number 4 issue. The objectives of *IJISCM* are to promote the research and practice of the fields of information systems and change management. This journal aims to establish an effective channel of communications amongst educators, information systems workers, managers, and industry practitioners to contribute, disseminate and learn from each other. We welcome your continuous support, communication, and submission to this journal.

The fourth issue of the volume nine collects four high quality papers. Topics in this issue are: 'Improved secure RSA cryptosystem for data confidentiality in cloud', 'The effect of an information ethics course on the students' information ethics values: a Kohlberg's CMD model's perspective', 'What determines work motivation of IT professionals: an integrated model', and 'Heuristic-based time-aware multi-criteria test case prioritisation technique'.

The first article addressed the issue of cloud security. M. Thangavel and P. Varalakshmi proposed an improved secure RSA cryptosystem (ISRSAC) to increase the security control in cloud system. This technology applied existing integer factorisation methods to factorise the value of 'n' in RSA cryptosystem. A comparison analysis was done to prove that ISRSAC method is more secure for data outsourcing in the cloud.

The second article focused on the areas of information ethics value (IEV) and educational courses. Christina Ling-Hsing Chang utilised Kohlberg's cognitive moral development (CMD) model to measure the improvement in the students' IEV through an information ethics course offering. An empirical study was implemented and analysed based on a Confucian ethics perspective (CEP). The result showed that IEV can be improved through effective teaching method that involving the CEP.

The third article conducted a research on work motivation within IT professionals. Ling-Hsiu Chen, Xiaodan Zhou, Rung-Ching Chen and I-Hsueh Chen proposed and tested an empirical model related to leadership, achievement motivation, job perception, and work motivation in China. Their research results indicated that leadership style and employee's achievement motivation positively influence job perception for IT professionals.

The last article studied the area of software testing methods that focused on test case prioritisation techniques. R. Uma Maheswari and D. Jeya Mala proposed a heuristic-based technique for time aware multi-criteria test case prioritisation

(HTMCTCP) for software test approach. This method showed a better advantage while comparing to the exiting prioritisation approaches such as genetic algorithm and simulated annealing algorithm.

I hope these four articles would continuously adjoin their values and contributions to the areas of information systems and change management. I would encourage our readers to continue to develop new applications and theories in these fields. The *IJISCM* will continue to serve as an important forum for the exchange of innovative ideas.