
Editorial

Yung C. Liang

Department of Electrical and Computer Engineering,
National University of Singapore,
Kent Ridge, 119 260 Singapore
E-mail: icita@iecc.org

Biographical notes: Liang is currently an Associate Professor at the National University of Singapore, Singapore, engaged in teaching and research in the areas of power microelectronics, silicon microsystems, ferroelectric photovoltaics and smart dust sensing networks. He has published more than 120 papers in journals and technical conferences in these areas. He is a member of IEEE, Phi Tau Phi and Society of Industry Technology. He is the recipient of the IEEE Third Millennium Medal in 2000.

Selected peer-reviewed papers from the *5th International Conference on Information Technology and Applications (ICITA 2008)* are published in this special issue of the *Int. J. Computer Applications in Technology*. The conference addresses the importance that information technology stretches across narrowly defined subject areas with a global, technical and social perspective.

We have 17 papers in this special issue to cover a broad spectrum of the topics including: agent based model and cluster, e-waste, aerial suburban images, hierarchical implementation, Markov random field model and segmentation, power facility management services, RFID/USN wireless network, error control coding, data compression, public-key cryptosystem, fuzzy logic, ultrasonic system and wave speed determination, cognitive theory of multimedia learning, graphical representation,

biometrics, fingerprint recognition, human-biometric sensor interaction, image quality, computer security, three-dimensional shape analysis, data visualisation, computer-human interaction, natural language, linguistic features, graphics hardware, terrain generation, character animation, goal-directed motion, inverse kinematics, growth maximisation, portfolio optimisation and insurance, differential convolution, image processing, cancer diagnosis, document classification, information filter, web mining, information retrieval, electronic healthcare, ECG, peer-to-peer overlay network, fingerprint sensor and skin diagnosis, which make the special issue indeed very extensive and readable.

I would like to thank all the authors for their contribution to the special issue.