# Introduction

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**Biographical notes:** Somnuk Phon-Amnuaisuk is an Associate Professor at the School of Computing and Informatics, Institut Teknologi Brunei. He received his PhD in Artificial Intelligence from the Edinburgh University in 2002. He holds a Master's degree from the Sasin Graduate School, Chulalongkorn University and Bachelor's in Electrical Engineering from the King Mongkut Institute of Technology, Thailand. His research activities in the past 19 years have been in the following areas: artificial intelligence, creative computing, machine learning and data mining, emergent computing, and pervasive computing. He has published more than 120 publications in refereed scientific journals and conferences.

Chu Kiong Loo obtained his PhD from the University Sains Malaysia, and BEng (First class Hons) in Mechanical Engineering from the University Malaya. Formerly, he was a Design Engineer in various industrial firms in different capacities as well as he has been the Chairman of Centre for Robotics and Automation in Multimedia University. Currently, he is a Professor in Artificial Intelligence Department, University of Malaya. He has published many publications in peer-reviewed journals of robotics, artificial intelligence and soft-computing, quantum optics that are recognised as outstanding and appropriate to the discipline. Based on the theoretical foundation of Professor Karl H. Pribram in Holonomic Brain Theory, he continues the co-development of dendritic field network with Dr. Mitja Perus and their major work is published in the scientific book, *Biological and Quantum Computing for Human Vision: Holonomic Models and Applications*, 2011.

This special issue on 'Computational intelligence and robotics' presents a collection of eight selected papers which have been carefully reviewed. These papers present the most current research advances in various domains.

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