Preface

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Biographical notes: Kangshun Li is a Professor of Intelligent Computation, Image Identification, Data Mining, Evolutionary Modelling, and Neural Networks. He is the Vice Chairman of IEEE Guangzhou Computational Intelligence Society (CIS), and a senior member of IEEE. He has been a Visiting Professor at the Chinese University of Hong Kong, University of Calgary. He has been a Full Professor since 2007 in South China Agricultural University, Guangzhou, China. He has published two books, 24 journal articles and 34 conference proceedings papers.

Wei Li received his BS in Computer Application Technology from the Jiangxi University of Science and Technology in 2008. He is studying for a Doctorate in South China Agricultural University from 2014. Currently, he works at the School of Information Engineering, Jiangxi University of Science and Technology as an Associate Professor. His research interests include evolutionary computation and artificial intelligence. He has published over 20 research papers in refereed international conferences and journals and has served as the Guest Editor or programme committee member in many international conferences.

Hang Wei is a teacher of School of Medical Information Engineering in Guangzhou University of Chinese Medicine, Guangzhou, China. Her research interests include evolutionary computation and artificial intelligence. She has published over ten research papers in refereed international conferences and journals.

Jin Li received his BS in Mathematics from the Southwest University, in 2002. He received his PhD in Information Security from the Sun Yat-sen University in 2007. Currently, he works at the Guangzhou University as a Professor. He has been selected as a science and technology new star in Guangdong province. His research interests include applied cryptography and security in cloud computing. He has published over 50 research papers in refereed international conferences and journals and has served as the Program Chair or programme committee member in many international conferences.

Evolutionary computation (EC) techniques – including genetic algorithms, evolution strategies, genetic programming, particle swarm optimisation, ant colony optimisation, differential evolution and memetic algorithms – have shown themselves to be effective for search and optimisation problems. Recently, EC has produced promising results and has become an important tool in computational creativity, for example in interactive evolutionary computation (IEC), EC for human-related applications, EC-based visual/auditory/haptic design and EC for analysing human characteristics.

The motivation of this special issue is to invite researchers to address various challenging optimisation problems using evolutionary computation. The aim of the issue is to initiate discussion and deliberation particular to recent advances in intelligent computation.