Preface

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Biographical notes: Li Wang is a Full-Time Professor in College of Data Science at the TaiYuan University of Technology in China. Her current research interests include big data, artificial intelligence, social computing, network science and mobile network communication. She has undertaken more than 20 national and provincial scientific research projects. She has published over 70 papers in the key international and national journals and conferences.

Ning Gu is a Full-Time Professor in the School of Computer Science at the Fudan University in China. His research interests include computer-supported cooperative work, data consistency, data analysis, social and technical combination research on specific domain, currently he is more interested in two application domains on saving energy and the disabled/seniors. He has published over 130 papers in key international and national journals and conferences.

Xiaoping Li is a Professor in the School of Computer Science and Engineering at the Southeast University. His research interests focus on scheduling in cloud computing, big data, scheduling in cloud manufacturing, machine scheduling, project scheduling, terminal container scheduling, and learning effects in scheduling. He is an IEEE senior member and a senior member of China Computer Federation. He is the author or co-author over more than 100 academic papers.

Traditional management and working modes are undergoing a great revolution. Advanced technologies, such as computer network technology, communication technology, multimedia technology and groupware technology, allow people and machines to collaborate to accomplish all kinds of tasks. This is cooperative computing.

The motivation of this special issue is to invite researchers to address various challenging problems using advanced computation models, theory and technologies.

The subject covers cooperative computing in the era of big data, cooperative design and optimisation of manufacturing industry, cooperative computing applications in social, health, medical, financial services and other fields. The aim of the issue is to initiate discussion and deliberation particular to recent advances in cooperative computing.