Editorial

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Biographical notes: Ting He received his PhD in Mechatronic Engineering from the Harbin Institute of Technology in 2000. He is currently a Professor and PhD Supervisor of the College of Computer Science and Technology of Huaqiao University. His research interests include service computing and service engineering, knowledge graph and natural language processing, and servitised manufacturing and intelligent manufacturing.

Sheng Su received his PhD in Computer Science from the Harbin Institute of Technology, in 2007. He is currently an Associate Professor from the School of Software Engineering, University of Electronics Science and Technology of China. He worked as a Visiting Scholar of the University of Texas at Arlington, Arlington, TX, USA from December 2013 to December 2014. His research interests include optimisation algorithms in complex industry system, cloud computing, and big data. His researches are published on some international journals, e.g., *International Journal of Advanced Manufacturing Technology*, *Wireless Networks*, *International Journal of Sensor Networks*, *Security and Communication Networks*, *Journal of Software*, etc.

Weiping Li received his PhD from the Shenyang Institute of Automation, Chinese Academy of Sciences in 2002. From 2002 to 2004, he worked at the National CIMS Research Center in Tsinghua University. He joined Peking University in 2004, and currently leads the service computing research team. His research interests include software engineering, service computing,

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context-aware services, and big data. He has conducted some research projects funded by the Chinese government, the Danish government as well as the industry.

We are witnessing a transition from a production-oriented economy to a services-oriented economy. Services are key activities with the globalisation of economy and also underlie the quality of life of local people. Service has become increasingly prevalent and important for services design, service innovation and serviceology in the world economy, especially for emerging economies. As a firm attempts to move from production to services, researchers should rethink service-oriented design and innovation. Serviceology has shown new ways and innovative behaviours in information system usage, marketing development as well. It has also provided service operations for improving service-orientated business processes. Therefore, opportunities as well as challenges for services design, service innovation and serviceology are provided. Service-oriented business processes, standards, security, big data analytics, computing formalisms, etc. are important issues that warrant exploration.

The purpose of this special issue is to bring together innovative researches in the areas of service design and innovation and serviceology to develop cumulative knowledge as represented in these accepted papers. These papers involve optimised service composition, optimised service selection, service monitoring based on data fusion, analysis of web services composition based on quality of service, etc. In addition, mining resource service sequences for collaborative tasks, finding service compositions in complex service network and mining user preference are the interesting themes presented in the mentioned fields.

We sincerely hope that you enjoy this special issue.

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