Editorial

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Biographical notes: 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, 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.

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Service computing has become a cross-discipline that covers the science and technology of bridging the gap between business services and IT services. Originating from the development of the web service and the representational state transfer (REST) technologies, service computing can facilitate the service oriented application system development and system integration. Service computing embraced the first wave when service-oriented architecture (SOA) occurred in 2005. Cloud computing provides an underlying technology for deploying massive services in the form of either web services, REST services, or even the micro services.

Currently, there are more and more services deployed on the internet and the cloud. The massive services bring out a critical problem, i.e., the system developers want to find the desired services in an efficient and effective way. Service discovery is to find a usable requisite service (web services, REST, and micro services) for Service compositions. The service computing research activities cover the whole life-cycle of service innovation

researches that include business componentisation, service modelling, service creation, service realisation, service annotation, service deployment, service discovery, service composition, service delivery, service-to-service collaboration, service monitoring, service optimisation, as well as service management.

This special issue covers the topics such as the service selection, service recommendation, service data management, as well as the service applications aiming at putting together the new achievements and developments in this field. There are 14 papers in this special issue, which have been organised into three thematic groups. The first group of three papers contributes on the service discovery and recommendation. The second group of four papers focuses on the service data maintenance and service workload while the last group of five papers addresses the service application on different fields.

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