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**SPECIAL ISSUE ON**  
**Special Issue on Mobile Service Computing and Applications (MSCA)**

**Overview:**

Service computing covers the science and technology of bridging the gap between business and IT services, and has attracted increasing attention from both industry and academia. Services are defined as software artefacts that are autonomous, self-described, reusable, and highly portable. They're the basic units for building rapid, low-cost, secure, and reliable applications. Thus, the service computing paradigm saves on development costs that would otherwise be spent creating new software components for each new business process.

Due to the rapid developments in mobile devices and wireless technologies, mobile devices are playing an increasingly important role in our daily life. Mobile technology's huge potential brings great opportunities for traditional service computing in the mobile environment. Services are no longer limited to traditional contexts and platforms. They can be deployed on mobile devices or cloud servers and delivered over wireless networks. Mobile service computing is undoubtedly enabling us to provide and access services anytime and anywhere, which greatly facilitates our life, work, and study. However, the application of mobile service computing still faces challenges due to key limitations such as constant mobility, limited capability, restricted power, unguaranteed security, etc., which bring great challenges for both service provision and consumption.

The aims of this special issue are (1) to present the state-of-the-art research on mobile service computing, and (2) to provide a forum for experts to disseminate their recent advances and views on future perspectives in the field.

**Topics**

In this special issue, we will invite papers that present new theories, methods and techniques applied to mobile service computing. We particularly encourage papers demonstrating novel strategies to new types of mobile service computing domains such as mobile cloud computing, mobile edge computing, etc. Applications may be drawn by investigating the usage of novel methods for all aspects of the mobile service computing system, including system design, performance optimization, algorithm design, scheduling methods, energy saving, and security management. Specific topics may include the following areas:

- Service description in mobile environments
- Mobile service composition verification and test
- Performance optimization in mobile environment
- Quality evaluation for mobile services
- Mobile service selection, recommendation and composition
- Mobile service provisioning
- Energy efficiency in mobile service computing
- Mobile service Offloading
- Resource management in mobile service environments

- Security and privacy in mobile service computing
- Mobile device management (configuration, performance, and capacity)

### **Important Dates**

- Manuscript submission deadline: Feb. 20, 2019
- Notification of acceptance: Apr. 5, 2019
- Submission of final revised paper: May 5, 2019
- Publication of special issue (tentative): Jun. 5, 2019

### **Submission Procedure**

Authors should follow the MONET Journal manuscript format described at the journal site. Manuscripts should be submitted on-line through <http://www.editorialmanager.com/mone/>.

Papers accepted by Tridentcom 2018 must be presented at the conference by one of the authors. This is a pre-condition for your paper to be further considered for publication in a special issue in MONET on MSCA. The revised version must have about 50% additional content compared to the conference paper.

Other Paper via CFP should be original work and has not been submitted or will not be submitted elsewhere without a notification/explanation.

Papers will be evaluated on their merits, contribution to the service/cloud computing field, suitability to the special issue, and overall quality. All papers will be rigorously referred by MONET reviewers. Submission of a manuscript to this special issue implies that no similar paper is already accepted or will be submitted to any other conference or journal.

A copy of the manuscript should also be emailed to the Guest Editors at the following email address: [gaohonghao@shu.edu.cn](mailto:gaohonghao@shu.edu.cn).

### **Guest Editors:**

#### **1) Leading Editor:**

**Prof. Honghao Gao, Shanghai University, China**

**IEEE Senior Member, CCF Senior Member, CAAI Senior Member**

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Bio: Dr. Honghao Gao received the Ph.D. degree in Computer Application Technology from the School of Computer Engineering and Science, Shanghai University, China, in 2012. He is currently an Associate

Professor with the Computing Center of Shanghai University, and is engaged as a Supervisor of Master Students with the School of Computer Engineering and Science of Shanghai University, China. Dr. Gao is a Research Fellow with the Software Engineering Information Technology Institute of Central Michigan University (CMU), USA, and is working as a Part-time Master's Supervisor for Hainan University (HNU) and Shanghai University of Electric Power (SHIEP), China. Recently, he serves as evaluation expert for Shanghai Municipality, The Science Technology Department of Zhejiang Province, and Soochow Municipality, China. He is also nominated as senior scientist for Soochow Institute of Shanghai University, researching intelligent wireless locks of OFO bicycle for the sharing economy industries. Dr. Gao's research interests include service computing, model checking-based software verification, and sensors data application. His researches are supported by National Natural Science Foundation of China (NSFC), Natural Science Foundation of Shanghai (NSFS), CERNET Innovation Project, and Foundation of Science and Technology Commission of Shanghai Municipality. Until now, he has approximately 40 publications in professional journals and more than 20 publications in scientific conferences including IEEE ACCESS, FGCS, IJDSN, WCMC, IJSEKE, IJCM, JIT, AMIS, ICSW, SCC, SEKE, Mobiquitous, TASE, CollaborateCom, obtained 13 patent applications and registered 8 software copyrights in China involving intelligent vehicle, searching engine, cloud rendering, service composition verification and testing, and IOT application under IPv4/IPv6. Dr. Gao serves as Associate Editor for IEEE ACCESS, IET software, Wireless Network, The Journal of Engineering. He has organized international conferences and workshops for FMSC2011-2018, DISA2012/2017-2018, SSIA2017-2018. He has also served as Guest Editor for International Journal of Internet Manufacturing and Services, International Journal of Software Engineering and Knowledge Engineering, COMPUTING AND INFORMATICS, International Journal of Engineering Business Management, Journal of Organizational and End User Computing (JOEUC).

## **2)Co-Guest Editors:**

**Prof. Jianwei Yin, Zhejiang University, China**

**Email: [zjuyjw@cs.zju.edu.cn](mailto:zjuyjw@cs.zju.edu.cn)**

Bio: Dr. Jianwei Yin is a full professor at the College of Computer Science, Zhejiang University (ZJU) and a visiting scholar at Georgia Institute of Technology (GaTech). He is the vice-dean of the College of Computer Science and Technology, the deputy director of the Center for Data Science, at ZJU and the secretary of Artificial Intelligence and Big Data Sci-Tech Alliance of Zhejiang University, the director of the Engineering Technology Research Center for E-Service in Modern Service Industry of Zhejiang Province. He is selected to participate in National High-Level Personnel of Special Support Plan of CCCPC, Young and Middle-Aged Leading Scientists, Engineers and Innovators of MOST, Program for New Century Excellent Talents in University (NCET) of MOE, Program for New Century '151' Talents of Zhejiang Province, Innovative and Entrepreneurial Talents of Jiangsu Province. He is the associate editor of IEEE Trans. On Service Computing, the deputy director of China Computer Federation Technical Committee on Service Computing (CCF TCSC), the member of New Generation of Information Technology Experts' Group of Zhejiang Provincial Department of Science and Technology and achieved Zhejiang Science Funds for Distinguished Young Scholars. Prof. Yin is served as a PC chair or PC member for prestigious international conferences, such as ICDCS, ICSOC, ICWS, WISE, DEBS, CLOUD, BigData, CIC, etc. He has published more than 100 papers in top international journals and conferences such as TC, TSE, TKDE, TPDS, TSC, TII, TCBY, CHI, ICDE, CIKM, ICDCS, ICSOC, SRDS, ICWS et al. He won the Best Paper Award in ICSOC 2017, which is the leading conference on service computing, and the SCC 2012 Best Student Paper Award.

**Prof. Gongzhu Hu, Central Michigan University, USA**

**Email: hu1g@cmich.edu**

Bio: Dr. Gongzhu Hu received BS in numeric analysis from Tsinghua University, China, MS in computer science from the University of Wisconsin-Madison, and PhD in computer science from Michigan State University. He joined the Computer Science Department at Central Michigan University in 1987 and is currently a professor of the department. He was the department chair from 1994 to 2007. His research interests include data mining, databases, distributed systems, and formal methods for software components. He has published over 160 papers in refereed journals and conference proceedings. Dr. Hu has served as the conference chair or program chair of many international conferences, and a member of the editorial board of the several international journals. He is a member of ACIS, ACM, a senior member of IEEE, and a senior member of ISCA. Dr. Hu served as the President of ACIS from 2010-2017, and a member of Board of Directors of ACIS and ISCA.



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