

Call for Papers
Special Issue on Blockchain-Based Services Computing
IEEE Transactions on Services Computing

Blockchain has become a hot research area in academia and industry. A blockchain is a continuously growing list of records of value transfer transactions maintained by a peer-to-peer network through a distributed consensus mechanism. Blockchain technology has promising characteristics regarding decentralization, persistency, anonymity and auditability that could greatly improve the cost-effectiveness of inter-organization business processes. Blockchain can be applied to many fields of services computing, e.g., big data, cloud computing, digital economy, intelligent contracts, Internet-of-Things, security, etc. Non-functional innovations in blockchain-based services computing is essential to improving the efficacy of blockchain. This special issue focuses on presenting novel approaches to integrating blockchain and services computing techniques as well as factual insights on what new challenges and requirements exist in doing so.

Topics of interest include, but are not limited to:

- Blockchain-as-a-Service and blockchain services DevOps
- Blockchain based industrial application services
- Smart contract and distributed ledger for blockchain-based services
- Theories and algorithms for blockchain-based services
- Security, privacy and trust for blockchain-based services
- Scalability and fault tolerance mechanisms for blockchain-based services
- Design, optimization, and learning-based analysis of blockchain-based services
- Edge/cloud intelligence for blockchain-based services

Important Date:

Manuscript Submission Due: March 31, 2019

First Round Notification Due: May 31, 2019

Revised Submission Due: July 31, 2019

Final Decision Notification Due: August 31, 2019

Final Manuscript Submission Due: September 30, 2019

Guest Editors:

Prof. Zibin Zheng, Sun Yat-Sen University, China, Email: zhzibin@mail.sysu.edu.cn

Dr. Andreas Kind, IBM Research – Zurich, Email: ANK@zurich.ibm.com

Prof. Peter Chen, Carnegie Mellon University, USA, Email: PeterChen@cmu.edu

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Submitted papers should not have been previously published nor be currently under review for publication elsewhere. Moreover, submitted papers should provide minimum 30% original technical contributions in comparison to previous conference publications.