

Songyuan Li

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My research interest is in Services Computing, with a focus on QoS optimization, Cloud Computing and Mobile Edge Computing

EDUCATION

BEIJING UNIVERSITY OF POSTS AND TELECOMMUNICATIONS

M.E. in Computer Science and Technology

Sept 2018 – Jun 2021

Beijing, Mainland China

BEIJING UNIVERSITY OF POSTS AND TELECOMMUNICATIONS

B.E. in Computer Science and Technology

Sept 2014 – Jun 2018

Beijing, Mainland China

Ranked 20% of all students in the department

EXPERIENCE

STATE KEY LABORATORY OF NETWORKING AND SWITCHING TECHNOLOGY

Research Assistant

Mar 2016 - Present | BUPT, Beijing, CN

AWARDS

- China National Scholarship, 2019
- Outstanding Graduate Student Award of State Key Laboratory of Network and Switching Technology, 2019
- BUPT Outstanding Bachelor Thesis Award, 2018
- BUPT First-Class Graduate Scholarship, 2018, 2019
- First Prize in China Undergraduate Mathematical Contest in Modeling (Beijing Region), 2016
- BUPT Second-Class Undergraduate Scholarship, 2017
- BUPT Third-Class Undergraduate Scholarship, 2015

PUBLICATIONS

Refereed International Conference Publications

[ICWS'19] S. Li, J. Huang, B. Cheng, L. Cui, Y. Shi FASS: A Fairness-Aware Approach for Concurrent Service Selection with Constraints, Proc. of IEEE International Conference on Web Services

[SCC'17] S. Li, J. Huang GSPN-Based Reliability-Aware Performance Evaluation of IoT Services, Proc. of IEEE International Conference on Services Computing

[ISPA'17] S. Li, J. Huang Energy Efficient Resource Management and Task Scheduling for IoT Services in Edge Computing Paradigm, Proc. of IEEE International Symposium on Parallel and Distributed Processing with Applications

[ICSOC'20] S. Li, J. Huang, B. Cheng Resource Pricing and Demand Allocation for Revenue Maximization in IaaS Clouds: A Market-Oriented Approach, Proc. of International Conference on Service Oriented Computing (under review)

Refereed Journal Publications

[PPNA] J. Huang, S. Li, Y. Chen Revenue-Optimal Task Scheduling and Resource Management for IoT Batch Jobs in Mobile Edge Computing, Peer-to-Peer Networking and Applications, accepted on Jan 10, 2020

[IJWGS] J. Huang, S. Li, Y. Chen, J. Chen Performance Modelling and Analysis for IoT Services, International Journal of Web and Grid Services, vol. 14, no. 2, pp. 146-169, 2018

[IEEE TSC] S. Li, J. Huang, B. Cheng, J. Chen QoE-DEER: A QoE-Aware Decentralized Resource Allocation Scheme for Edge Computing, IEEE Transactions on Services Computing, under review

[IEEE TNSM] S. Li, J. Huang, B. Cheng A Price-Incentive Resource Auction Mechanism Balancing the Interests Between Users and Cloud Service Provider, IEEE Transactions on Network and Service Management, under review

PROFESSIONAL ACTIVITIES

Journal Reviewer

- IEEE Access, 2020
- Behaviour & Information Technology, 2020

Conference Reviewer

- IEEE 92nd Vehicular Technology Conference (VTC2020-Fall)

Oral Presentation

- IEEE ICWS 2019 (Milan, Italy, Jul. 8-13, 2019)
- IEEE CCF ICSS 2019 (Tianjin, China, May 10-12, 2019)
- IEEE ISPA 2017 (Guangzhou, China, Dec. 12-15, 2017)