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
Overall GPA: 79.82/100 (by June 2020)

BEIJING UNIVERSITY OF POSTS AND TELECOMMUNICATIONS
B.E. in Computer Science and Technology
Sept 2014 – Jun 2018
Beijing, Mainland China
Overall GPA: 84.94/100
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, 2016

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 **(Top Conference in Services Computing**

[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

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, online, 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 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

[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 **(Top Journal in Services Computing)**

[IEEE TNSE] S. Li, J. Huang, B. Cheng **Resource Pricing and Demand Allocation for Revenue Maximization in IaaS Clouds: A Market-Oriented Approach,** IEEE Transactions on Network Science and Engineering, under review

PROFESSIONAL ACTIVITIES

Journal Reviewer
• IEEE Access, 2020
• Behaviour & Information Technology, 2020

Conference Reviewer
• IEEE 92nd Vehicular Technology Conference (VTC2020-Fall)
• International Conference on Collaborative Computing (CollaborateCom 2020)

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)