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To the program committee of SOSP 2017:

It is my greatest pleasure to write a recommendation letter for Rui Wang, who is applying for the helper for SOSP 2017. Rui is now a first year master student at University of Science and Technology of China, under the supervision of Prof. Yinlong Xu and me, and she obtained her undergraduate degree from Donghua University in Shanghai.

Currently, Rui is working on graph processing system, especially disk-based graph processing in a single PC. In the past year, she worked on graph centrality computation, and developed a general processing framework for large-scale graph centrality computation by using sampling. In this framework, one can quickly and accurately compute graph centrality measures for a large-scale graph by doing the computation on several sampled sub-graphs and then aggregating to the final results. She then took the problem of influence maximization as a study case and proposed an algorithm called IM-RWS. This work has already been published in IJHPCN (**Rui Wang**, Min Lv*, Zhiyong Wu, Yongkun Li, Yinlong Xu. "Fast Graph Centrality Computation via Sampling: A Case Study of Influence Maximization over OSNs", International Journal of High Performance Computing and Networking).

In the following, Rui mainly focuses on how to realize fast and scalable random walk based algorithms, such as Personalized PageRank, random walk sampling, graphlet counting and influence maximization etc. In particular, she is now considering to design an efficient and adaptive graph processing system that is specialized for random walk based graph applications by utilizing the computation characteristics of random walks. Considering her research topics, I believe that Rui could really learn a lot from SOSP, and I also believe that she could do very well to serve as a helper for SOSP 2017. Therefore, I strongly recommend her application, and I really appreciate if you would consider her application seriously!

Regards,
Yongkun Li
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