Rui Wang

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APPLY FOR	Student Scholarship

EDUCATION

University of Science and Technology (USTC) *2016.09 –present*   Hefei
College of Computer Science and Technology **Master** in Computer Software and Theory
Supervisor: Yongkun Li, Yinlong Xu

Donghua University (DHU) *2012.09 – 2016.06*   Shanghai
College of Computer Science and Technology **Bachelor** in Computer Science and Technology

RESEARCH INTERESTS

Large scale Graph computing **Random walk**
Graph processing system **Large scale graph storage**

RESEARCH EXPERIENCE

Graph processing system **Supervisor: Yongkun Li** *2017.03-present*

- Design an graph processing system that specially aim for random walk based algorithms
- Analysis the computation characteristics of current graph process systems, such as GraphChi
- Analysis the computation characteristics of random walk based algorithms
- According to the computation characteristics of random walk and to design the system

Graph Centrality Computation **Supervisor: Yongkun Li** *2016.03-2016.12*

- Realize a fast graph centrality computation via sampling
- Take the problem of influence maximization as a study case:
- a)   Sample from the large-scale graph to get several sub-graphs;
- b)   Do the influence value computation on the sampled sub-graphs;
- c)   Map the influence value from the sub-graphs to the original graph;
- d)   Aggregating to get the final result.

PUBLICATIONS

Journal

- **Rui Wang**, Min Lv*, Zhiyong Wu, Yongkun Li, Yinlong Xu. "Fast Graph Centrality Computation via Sampling: A Case Study of Influence Maximisation over OSNs." International Journal of High Performance Computing and Networking (IJHPCN).

Conference

- **Rui Wang**, Zhiyong Wu, Yongkun Li, and Yinlong Xu, "Fast Graph Centrality Computation via Sampling: A Case Study of Influence Maximization over OSNs." CCF BigData, Lanzhou, China, October 2016

SKILLS

- CET6: Passed   :   Oral English:Conversational
- Master the use of MS Office

HOBBIES

- Enjoy badminton, tennis, table tennis, jogging, movie