Guanping Xiao

PERSONAL DETAILS

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RESEARCH INTERESTS

Software Engineering, Software Reliability, Data Mining, Deep Learning, Network Science

EDUCATION & WORK EXPERIENCE

Ph.D., Navigation, Guidance, and Control   2015-Present
Beihang University, Beijing, China

Visiting Ph.D. Student, Software Engineering   2018.9-12
University of Technology Sydney, Sydney, Australia

M.Sc., Control Theory and Control Engineering   2012-2015
Civil Aviation University of China, Tianjin, China

B.Sc., Automation   2008-2012
Nanjing University of Aeronautics and Astronautics, Nanjing, China

SELECTED PUBLICATIONS

1. (SQJ'19) Xiaoting Du, Zenghui Zhou, Beibei Yin, and **Guanping Xiao**. Cross-project bug type prediction based on transfer learning. Software Quality Journal. (accepted)

2. (TRel'19) **Guanping Xiao**, Zheng Zheng, Beibei Yin, Kishor S. Trivedi, Xiaoting Du, and Kai-Yuan Cai. An Empirical Study of Fault Triggers in the Linux Operating System: An Evolutionary Perspective. IEEE Transactions on Reliability.

3. (TRel'19) **Guanping Xiao**, Zheng Zheng, Bo Jiang, and Yulei Sui. An Empirical Study of Regression Bug Chains in Linux. IEEE Transactions on Reliability.

4. (CJA'18) Zheng Zheng and **Guanping Xiao***. Evolution analysis of a UAV real-time operating system from a network perspective. Chinese Journal of Aeronautics.

5. (PhysicA'17) **Guanping Xiao**, Zheng Zheng, and Haoqin Wang. Evolution of Linux operating system network. Physica A.

6. (ISSRE'17) **Guanping Xiao**, Zheng Zheng, Beibei Yin, Kishor S. Trivedi, Xiaoting Du, and Kai-Yuan Cai. Experience report: Fault triggers in linux operating system: From evolution perspective. IEEE 28th International Symposium on Software Reliability Engineering.

7. (ISSREW'17) Xiaoting Du, Zheng Zheng, **Guanping Xiao**, and Beibei Yin. The Automatic Classification of Fault Trigger Based Bug Report. IEEE 28th International Symposium on Software Reliability Engineering Workshops.

8. (PhysicA'16) Haoqin Wang, Zhen Chen, **Guanping Xiao**, and Zheng Zheng. Network of networks in Linux operating system. Physica A.

9. (SATE'16) Haoqin Wang and **Guanping Xiao**. Analysis of the runtime linux operating system as a complex weighted network. The Annual Conference on Software Analysis, Testing and Evolution.

HONORS & AWARDS

Merit Student   2019
Beihang University

Outstanding Research Paper Award for Graduate Student   2018
Beihang University

China National Scholarship for Graduate Student   2014
Ministry of Education of the People's Republic of China

Excellent Graduate Student   2014
Civil Aviation University of China

The Second Prize Scholarship   2009
Nanjing University of Aeronautics and Astronautics