

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 <i>Beihang University</i>	2019
Outstanding Research Paper Award for Graduate Student <i>Beihang University</i>	2018
China National Scholarship for Graduate Student <i>Ministry of Education of the People's Republic of China</i>	2014
Excellent Graduate Student <i>Civil Aviation University of China</i>	2014
The Second Prize Scholarship <i>Nanjing University of Aeronautics and Astronautics</i>	2009