



Guojun Gao

 School of Software Technology, Dalian University of Technology

 Software Engineering

 <https://guojun-gao.github.io/>

 ggjgao@163.com

 18842621411

 ShanXi•LvLiang•LiShi

Guojun Gao is a PhD candidate in software engineering, Dalian University of Technology, supervised by Professor He Jiang. His research interests include intelligent software engineering, search-based software engineering, and compiler optimization sequences selection.

Education

Present	School of Software Technology, Dalian University of Technology
September 2016	PhD Degree in Software Engineering
June 2016	School of Software Technology, Dalian University of Technology
September 2014	Master Degree in Software Engineering
June 2014	School of Software Technology, Dalian University of Technology
September 2010	Bachelor Degree in Network Engineering

Publications

Papers

- ▶ He Jiang, **Guojun Gao**, Zhilei Ren, Xin Chen, and Zhide Zhou. SMARTTEST: A Surrogate-Assisted Memetic Algorithm for Code Size Reduction. *IEEE Transactions on Reliability*, 2022, 71(1): 190-203.
- ▶ **Guojun Gao**, Lei Qiao, Dong Liu, Shifei Chen, and He Jiang. Surrogate-Assisted Multi-objective Optimization for Compiler Optimization Sequence Selection. *International Conference on Parallel Problem Solving from Nature(PPSN)*, 2022, 382–395.
- ▶ Zhide Zhou, Zhilei Ren, **Guojun Gao**, and He Jiang. An empirical study of optimization bugs in GCC and LLVM. *Journal of Systems and Software*, 2021, 174: 110884:1-13.
- ▶ Tingting Lv, Zhilei Ren, Xiaochen Li, **Guojun Gao**, and He Jiang. Toward accurate detection on change barriers. *Science China Information Sciences*, 2021, 61: 132102:1-17.
- ▶ Dong Liu, Zhilei Ren, Zhong-Tian Long, **Guojun Gao**, and He Jiang. Mining Design Pattern Use Scenarios and Related Design Pattern Pairs: A Case Study on Online Posts. *Journal of Computer Science and Technology*, 2020, 35(5):963-978.
- ▶ Hao Chen, Zhilei Ren, Lei Qiao, Zhide Zhou, **Guojun Gao**, Yue Ma, and He Jiang. AdaBoost-based Refused Bequest Code Smell Detection with Synthetic Instances. *International Conference on Dependable Systems and Their Applications(DSA)*, 2020, 78-89.
- ▶ **Guojun Gao**, Zhilei Ren, Jingxuan Zhang, Xiaochen Li, and He Jiang. Selection of Compiler-optimization Sequences. *SCIENCE CHINA Information Sciences*, 2019, 49(10): 1267-1282.
- ▶ Liming Nie, He Jiang, **Guojun Gao**, Han Wang, and Xiujuan Xu. Bibliographic Analysis for Code/API Recommendation Literatures. *Computer Science*, 2017, 44(Z6): 475-482.
- ▶ Najam Nazar, He Jiang, **Guojun Gao**, Tao Zhang, Xiaochen Li, and Zhilei Ren. Source code fragment summarization with small-scale crowdsourcing based features. *Frontiers of Computer Science*, 2016, 10(3): 504-517.

Patents

- ▶ He Jiang, **Guojun Gao**, Zhilei Ren. An efficient optimization method for the computationally expensive problem in compiler optimization: China, 201910522358.3 [P]. Authorization Date: 2021,04,20.
- ▶ He Jiang, **Guojun Gao**, Zhilei Ren. Surrogate-assisted multi-objective optimization for compiler optimization sequence selection: China, 202010869346.0 [P]. Authorization Date: 2021,07,16.

Activities

- ▶ Reviewer FCS (Frontiers of Computer Science), SPE (Software: Practice and Experience)
- ▶ Participator National Natural Science Foundation of China, Excellent Young Scientists Fund, 61722202

► Participator National Key Research and Development Plan Project, 2018YFB1003903