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

Publications

Papers

- He Jiang, **Guojun Gao**, Zhilei Ren, Xin Chen, and Zhide Zhou. SMARTEST: 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

- **Poster** Surrogate-assisted Multi-objective Optimization for Compiler Optimization Sequence Selection, PPSN'2022
- **Reviewer** FCS (Frontiers of Computer Science)
- **Participator** National Natural Science Foundation of China, Excellent Young Scientists Fund, 61722202
- **Participator** National Key Research and Development Plan Project, 2018YFB1003903