

Genetic Improvement GI 2019 @ ICSE
start 09:00 on Tuesday, May 28th, 2019



International Workshop on the Repair and Optimisation of Software using Computational Search

Short papers have been allocated 15 minutes plus 5 for questions (20 total).

Full papers have been allocated 25 minutes plus 5 for questions (30 total).

Start	End	Title	Author(s)
Introduction and Keynote			
9:00	9:10	Opening	
9:10	10:30	Industrial experience of Genetic Improvement in Facebook	Nadia Alshahwan
10:30	11:00	Break	
Papers Session 1			
11:00	11:30	Leveraging Program Invariants to Promote Population Diversity in Search-Based Automatic Program Repair	Zhen Yu Ding, Yiwei Lyu, Christopher Timperley and Claire Le Goues
11:30	12:00	Better Code Search and Reuse for Better Program Repair	Qi Xin and Steven Reiss
12:00	12:20	Evolutionary Computation for Improving Malware Analysis	Kevin Leach, Ryan Dougherty, Chad Spensky, Stephanie Forrest and Westley Weimer
12:30	14:00	Lunch	
Papers Session 2			
14:00	14:30	Genetic Improvement of GPU Code	Jhe-Yu Liou, Stephanie Forrest and Carole-Jean Wu
14:30	14:50	Mining Patterns from Genetic Improvement Experiments	Oliver Krauss
14:50	15:10	Fuzzy Edit Sequences in Genetic Improvement	Aymeric Blot
15:10	15:10	Best Presentation Vote	
15:30	16:00	Break	
Discussion Session, Closing			
16:00	17:10	Student talks, elevator pitches, discussions	all
17:10	17:20	Conclusions, wrap-up	Westley Weimer
17:20	17:30	Awards	Shin Hwei Tan