1st International Workshop on Automated Program Repair (APR 2020)

APR@ICSE 2020
SEOUL·SOUTH KOREA

Co-located with ICSE 2020, Seoul, South Korea

Organising committee

- Shin Hwei Tan, SUSTech
- Sergey Mechtaev, UCL
- Martin Monperrus, KTH
- Mukul Prasad, Fujitsu Labs of America

Recent years have witnessed an explosive growth of works on automated program repair in various scientific communities including software engineering, programming languages and formal methods, and this growth has culminated in successful deployments of program repair technology in industry. Despite these considerable advances, program repair still faces fundamental technological and societal challenges. This workshop will create an opportunity for the research community to coordinate its effort for addressing these challenges, share recent ideas and results, and formulate an agenda for future research.

We elicit the following types of papers:

- **Research papers (8 pages inc. references):** technical research, experience reports, empirical studies.
- **Position papers (2 pages inc. references):** well-argued position or work in progress.

Important dates

- Submission deadline: January 31, 2020
- Notification: February 25, 2020
- Camera-ready version: March 16, 2020

Submission website

https://apr20.hotcrp.com

Workshop website

http://program-repair.org/workshop-2020

We invite submissions on the following topics:

- Quality of automatically generated patches
- Scalability of program repair algorithms
- Repair of domain-specific bugs
- Applications of program repair
- Deployment of program repair
- Case studies on program repair
- Program repair tools
- Program repair benchmarks
- Program analysis for program repair
- Machine learning for program repair
- Testing and verification for program repair
- Fault localization for program repair
- Debugging and program repair
- Program synthesis for program repair