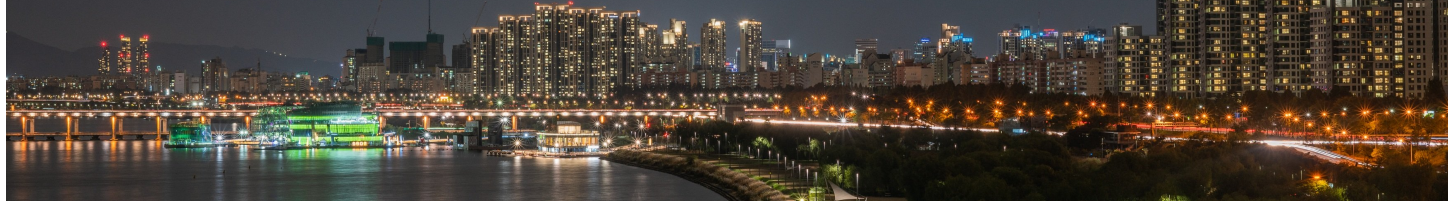


GENETIC IMPROVEMENT 2020

8th International Workshop on the Repair and Optimisation of Software using Computational Search
Co-located with the 42nd International Conference on Software Engineering, Seoul, Republic of Korea, 23-29 May 2020
<https://geneticimprovementofsoftware.com>



Call for Submission

We invite submissions that discuss recent developments in all areas of research on, and applications of, Genetic Improvement.

GI is the premier workshop in the field and provides an opportunity for researchers interested in automated program repair and software optimisation to disseminate their work, exchange ideas and discover new research directions.

Topics of interest include both the theory and practice of Genetic Improvement. Applications include, but are not limited to, using GI to:

- repair bugs
- improve efficiency
- decrease memory consumption
- decrease energy consumption
- transplant new functionality
- specialise software
- translate between programming languages
- generate multiple versions of software

Research & Position Papers

We invite submissions of two types of paper:

- Research papers (up to eight pages)
- Position papers (up to two pages)

We encourage authors to submit early and in-progress work. The workshop emphasises interaction and discussion. All papers should be submitted via EasyChair as PDFs (in the ACM conference format as per the ICSE 2020 information).

All accepted papers must be presented at GI@ICSE 2020 and will appear in the ICSE workshops volume. The official publication date of the workshop proceedings is the date the proceedings are made available by IEEE. This date may be up to two weeks prior to the first day of ICSE 2020. The official publication date affects the deadline for any patent filings related to published work.

Workshop Chairs

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Important Dates

Submission: 22 January 2020
Notification: 25 February 2020
Camera-Ready: 16 March 2020
Workshop: TBD during 24, 25, 26 May 2020