GI 2022

The 11th International Workshop on Genetic Improvement

http://geneticimprovementofsoftware.com/events/gecco2022

Co-located with the 24th Genetic and Evolutionary Computation Conference, GECCO 2022, in Boston

9-13 July 2022 (one day)

Paper submission deadline: 11th April 2022

Call for Submissions

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:

- Improve efficiency
- Decrease memory consumption
- Decrease energy consumption
- Transplant new functionality
- Specialise software
- Translate between programming languages
- Generate multiple versions of software
- Improve low level or binary code
- Improve SE documentation, specification, training and educational tools and techniques
- Repair bugs
- GI techniques in industrial settings

Key Dates

Submission	11 April 2022 (Mon)
Notification	25 April 2022 (Mon)
Camera-ready	2 May 2022 (Mon)
Workshop	9-13 July 2022 (one day)

Keynote

The keynote will be given by Prof. Westley Weimer, professor at the University of Michigan–Ann Arbor.

Virtual Event

In the event of the continued COVID19 pandemic, as with GI 2020 and GI 2021, the workshop may be held online with recordings available on YouTube.

2021 video: `https://youtu.be/LVLdIb18cBg`
2020 video: `https://youtu.be/GsNKCifm44A`

Research and Position Papers

We invite submissions of two types of paper:

- Research papers (8 pages, **excluding** references)
- Position papers (2 pages, including references)

We encourage authors to submit early and in-progress work. The workshop emphasises interaction and discussion.

All papers should be submitted electronically double-blind as PDFs (in the GECCO conference format). All accepted papers must be presented at GI 2022 and will appear in the GECCO 2022 companion volume.

Workshop Chairs

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