Genetic and Evolutionary Computation Conference

GECCO

A recombination of the
28th International Conference on
Genetic Algorithms (ICGA) and the
24th Annual Genetic Programming Conference (GP)

gecco-2019.sigevo.org

One Conference – Many Mini-Conferences

Premier conference in the field of Genetic and Evolutionary Computation

Prague, Czech Republic
July 13-17, 2019

The Genetic and Evolutionary Computation Conference (GECCO) in 2019 will present the latest high-quality results in genetic and evolutionary computation. Topics include: genetic algorithms, genetic programming, ant colony optimization and swarm intelligence, complex systems (artificial life/ robotics/ evolvable hardware/ generative and developmental systems/ artificial immune systems), digital entertainment technologies and arts, evolutionary combinatorial optimization and metaheuristics, evolutionary machine learning, evolutionary multiobjective optimization, evolutionary numerical optimization, real world applications, search-based software engineering, theory and more.

Call for Papers

Each paper submitted to GECCO 2019 will be rigorously evaluated in a double-blind review process. The evaluation is on a per-track basis, ensuring high interest and expertise of the reviewers. Review criteria include significance of the work, technical soundness, novelty, clarity, writing quality, and sufficiency of information to permit replication, if applicable. All accepted papers will be published in the ACM Digital Library.

By submitting a paper, the authors agree that, if their paper is accepted, they will:

- Submit a final, revised, camera-ready version to the publisher on or before the camera ready deadline.
- Register at least one author to attend the conference on or before the advance registration deadline.
- Attend the conference (at least one author).
- Present the accepted paper at the conference.

Researchers are further invited to submit abstracts of their work recently published in top-tier conferences and journals to the Hot Off the Press track. Contributions will be selected based on quality and interest to the GECCO community.
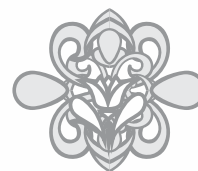
Call for Tutorials

The GECCO 2019 Organizing Committee invites proposals for tutorials. They will be reviewed by the GECCO 2019 Organizing Committee based on their significance to the conference, the breadth and depth of the topics, and the expertise and credentials of the presenters. Tutorials will be free to all attendees of the conference. Slide sets of accepted tutorials will be published in the ACM Digital Library as part of a companion volume to the conference proceedings. Please visit the GECCO 2019 website to check for deadlines.

Call for Workshops

The GECCO 2019 Organizing Committee invites proposals for workshops. GECCO workshops provide the possibility to jointly develop visions and exchange ideas in an informal setting, especially if focused on an emerging research field or interdisciplinary research area. Please visit the GECCO 2019 website to check for deadlines.

Attendance at the workshops will be free for all GECCO attendees. Workshop organizers are responsible for coordination, publicity, and the reviewing of submitted papers. Accepted workshop papers will be published in the ACM Digital Library in a companion volume to the conference proceedings.

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Program Tracks

Three days of presentations of the latest high-quality results in 13 separate and independent program tracks specializing in various aspects of genetic and evolutionary computation.

Free Tutorials and Workshops!

Two days of free tutorials and workshops (included with conference registration) presented by some of the world's foremost experts in topics of interest to genetic and evolutionary computation researchers and practitioners.

Planned Program Tracks

- ACO-SI - Ant Colony Optimization and Swarm Intelligence
- CS - Complex Systems (Artificial Life/ Robotics/ Evolvable Hardware/ Generative and Developmental Systems/Artificial Immune Systems)
- DETA - Digital Entertainment Technologies and Arts
- ECOM - Evolutionary Combinatorial Optimization and Metaheuristics
- EML - Evolutionary Machine Learning
- EMO - Evolutionary Multiobjective Optimization
- ENUM - Evolutionary Numerical Optimization
- GA - Genetic Algorithms
- GECH - General Evolutionary Computation and Hybrids
- GP - Genetic Programming
- RWA - Real World Applications
- SBSE - Search-Based Software Engineering
- THEORY - Theory

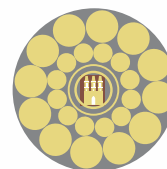## SIGEVO Advisory Board

Kenneth DeJong

GECCO Organizers

- General Chair: Thomas Stützle
- Editor-in-Chief: Manuel López-Ibáñez
- Local Chair: Petr Pošík

About the Conference Venue

Prague is the capital of the Czech Republic and one of the most beautiful cities in Europe. Romantically set on both banks of the river Vltava, its unique Historic Centre is a UNESCO World Heritage site and the home of magnificent monuments such as the Prague Castle, the Charles Bridge, the Astronomical Clock and St Vitus Cathedral, among others. Prague is served by many international flights arriving at Václav Havel airport, and provides plenty of accommodation options. Find more about Prague at gecco-2019.sigevo.org

Contact:

gecco-2019.sigevo.org
twitter.com/GECCO2019

Important Dates

- Submission deadline: January 30, 2019
- Notification of paper acceptance: March 20, 2019
- Camera-ready submission: April 17, 2019
- Workshop and tutorial proposals submission: November 7, 2018
- Notification of workshop and tutorial acceptance: December 5, 2018
- GECCO-2019 Conference: July 13-17, 2019

SIGEVO Executive Committee

Enrique Alba	Juan J. Merelo-Guervós
Anne Auger	Gabriela Ochoa
Wolfgang Banzhaf	Michael O'Neill
Jürgen Branke	Una-May O'Reilly
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