

July 06-10, 2013
Amsterdam,
The Netherlands

GECCO

Genetic and Evolutionary
Computation Conference

2013

Largest Conference in the Field of Genetic and Evolutionary Computation
A recombination of the 22nd International Conference on Genetic Algorithms (ICGA) and
the 18th Annual Genetic Programming Conference (GP)
www.sigevo.org/gecco-2013

Call for Papers

One Conference – Many Mini-Conferences



Program Tracks

Three days of presentations of the latest high-quality results in more than 15 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.

Important Dates

- * **Submission deadline: January 23, 2013**
- * Workshop and tutorial proposals submission: November 07, 2012
- * Notification of workshop and tutorial acceptance: November 30, 2012
- * Notification of paper acceptance: March 14, 2013
- * Camera-ready submission: April 17, 2013
- * Registration: May 03, 2013
- * GECCO-2013 Conference: July 06-10, 2013

Review Process

Each paper submitted to GECCO will be rigorously reviewed, in a double-blind review process, meaning that reviewers should not be able to infer the identities of the authors of the papers under review, and, of course, that authors will not know the identities of their reviewers.

Each submitted paper will be evaluated by one of at least 15 separate and independent program committees specializing in various aspects of genetic and evolutionary computation. These committees make their own final decisions on submitted papers for their areas, subject only to conference-wide space limitations and procedures.

Review criteria include significance of the work, technical soundness, novelty, clarity, writing quality, and sufficiency of information to permit replication, if applicable.

How to Submit a Paper

Meet the submission deadline - January 23, 2013 - and submit substantially new work. GECCO allows submissions of material that is substantially similar to a paper being submitted contemporaneously for review in another conference. However, if the submitted paper is accepted by GECCO, the authors agree that substantially the same material will not be published by another conference in the evolutionary computation field. Material may be later revised and submitted to a journal, if permitted by the journal.

Visit www.sigevo.org/gecco-2013

For detailed instructions, including categories, keywords, and formatting requirements, visit <http://www.sigevo.org/gecco-2013>. Be sure to check the web page for changes that may appear as the paper submission deadline approaches.

Follow us at [www.twitter.com/GECCO2013](https://twitter.com/GECCO2013)

News and updates are also posted on our Twitter page. Visit [http://www.twitter.com/GECCO2013](https://twitter.com/GECCO2013) and start following us!



Accept Author Agreement

By submitting a paper, the author(s) agree that, if their paper is accepted, they will:

- * Submit a final, revised, camera-ready version to the publisher by Wednesday, April 17, 2013
- * Register at least one author to attend the conference by Friday, May 03, 2013
- * Attend the conference (at least one author)
- * Present the accepted paper at the conference

More Information

Visit www.sigevo.org/gecco-2013 for information about deadlines, student travel grants, hotel reservations, student housing, the graduate student workshop, the latest list of topics, late-breaking papers, and more. For matters of science and program content, contact Conference Chair Enrique Alba at gecco2013chair@sigevo.org while for general help and administrative matters please contact GECCO support at gecco2013@sigevo.org

About the Conference Venue

Amsterdam is currently one of the best European cities in which to locate an International Business and the perfect GECCO destination. More info at <http://www.iamsterdam.com>



GECCO is sponsored by the Association for Computing Machinery Special Interest Group on Genetic and Evolutionary Computation (SIGEVO). SIG Services: 2 Penn Plaza, Suite 701, New York, NY, 10121, USA, 1-800-342-6626 (USA and Canada) or +212-626-0500

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The Genetic and Evolutionary Computation Conference (GECCO-2013) will present the latest high-quality results in the growing field of genetic and evolutionary computation. Topics include: genetic algorithms, genetic programming, evolution strategies, evolutionary programming, memetic algorithms, hyper heuristics, real-world applications, learning classifier systems and other genetics-based machine learning, evolvable hardware, artificial life, adaptive behavior, ant colony optimization, swarm intelligence, biological applications, evolutionary robotics, coevolution, artificial immune systems, and more.

GECCO Organizers

General Chair: Enrique Alba
Editor-in-Chief: Christian Blum
Proceedings Chair: Leonardo Vanneschi
Local Chair: Peter Bosman, Evert Haasdijk
Publicity Chair: Xavier Llorà
Tutorials Chair: Gabriela Ochoa
Students Chair: Emilia Tantar
Workshops Chairs: Mike Preuss
Competitions Chair: Daniele Loiacono
Evolutionary Computation in Practice: Joern Mehnen,
Thomas Bartz-Beielstein
Business Committee: Darrell Whitley, Marc Schoenauer



Planned Program Tracks

Ant Colony Optimization and Swarm Intelligence
Digital Entertainment Technologies and Arts
Evolutionary Combinatorial Optimization and Metaheuristics
Evolutionary Multiobjective Optimization
Genetic Programming
Genetics Based Machine Learning
Parallel Evolutionary Systems
Theory
Artificial Life/Robotics/Evolvable Hardware
Biological and Biomedical Applications
Estimation of Distribution Algorithms
Evolution Strategies and Evolutionary Programming
Generative and Developmental Systems
Real World Applications
Search-Based Software Engineering
Self-* Search
Genetic Algorithms
Integrative Genetic and Evolutionary Computation

Planned Free Tutorials

Introductory Tutorials

Genetic Algorithms
Genetic Programming
Evolution Strategies: Basic Introduction
Evolutionary Computation: A unified view
Evolutionary Multiobjective Optimization
Probabilistic Model-building Genetic Algorithms
Evolutionary Neural Networks

Advanced Tutorials

Evolution Strategies and CMA-ES (Covariance Matrix Adaptation)
Constraint-Handling Techniques used with Evolutionary Algorithms
Representations for evolutionary algorithms
Statistical Analysis for Evolutionary Computation: Introduction
Genetic Algorithms Theory
Elementary Landscapes
Generative and Developmental Systems
Expressive Genetic Programming
Fitness Landscapes and Graphs: Multimodality Ruggedness
and Neutrality
Bioinspired Computation in Combinatorial Optimization - Algorithms
and Their Computational Complexity

To Propose a Tutorial or Workshop

A detailed call for workshop and tutorial proposals will be posted later, so stay tuned! Meanwhile, for enquiries regarding tutorials contact gecco2013tutorials@sigevo.org while for enquiries about workshops contact gecco2013workshops@sigevo.org
For general help and administrative matters contact GECCO support at gecco2013@sigevo.org

SIGEVO Executive Committee

Anne Auger	Pier Luca Lanzi
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