evocop ✳

20th European Conference
on Evolutionary Computation
in Combinatorial Optimisation

The 20th European Conference on Evolutionary Computation in Combinatorial Optimisation is a multidisciplinary conference that brings together researchers working on applications and theory of evolutionary computation methods and other metaheuristics for solving difficult combinatorial optimisation problems appearing in various industrial, economic, and scientific domains.

Successfully solved problems include, but are not limited to, multi-objective, uncertain, dynamic and stochastic problems in the context of scheduling, timetabling, network design, transportation and distribution, vehicle routing, stringology, graphs, satisfiability, energy optimisation, cutting, packing, planning and search-based software engineering.

evocop ✳ welcomes submissions in all experimental and theoretical aspects of evolutionary computation and other metaheuristics to combinatorial optimisation problems, including (but not limited to) the following areas:

* Applications of metaheuristics to combinatorial optimization problems
* Theoretical developments
* Neighbourhoods and efficient algorithms for searching them
* Variation operators for stochastic search methods
* Constraint-handling techniques
* Parallelisation and grid computing

* Search space and landscape analyses
* Comparisons between different (also exact) methods
* Automatic algorithm configuration and design

Prominent examples of metaheuristics include (but are not limited to):

* Evolutionary algorithms
* Estimation of distribution algorithms
* Swarm intelligence methods such as ant colony and particle swarm optimisation
* Artificial immune systems
* Local search methods such as simulated annealing, tabu search, variable neighbourhood search, iterated local search, scatter search and path relinking
* Hybrid methods such as memetic algorithms
* Matheuristics (hybrids of exact and heuristic methods)
* Hyper-heuristics and autonomous search
* Surrogate-model-based methods

Conference Chairs

Luís Paquete
University of Coimbra, Portugal
paquete(at)dei.uc.pt

Christine Zarges
Aberystwyth University, Wales, UK
chz8(at)aber.ac.uk

Submission Details

Paper submissions must be original and not published elsewhere. The submissions will be peer reviewed by members of the program committee. The authors of accepted papers will have to improve their paper on the basis of the reviewers' comments and will be asked to send a camera ready version of their manuscripts. At least one author of each accepted work has to register for the conference, attend the conference and present the work.

The reviewing process will be double-blind, please omit information about the authors in the submitted paper. Submit your manuscript in Springer LNCS format.

Page limit: 16 pages

Submission link
easychair.org/
conferences/?conf=evo2020

Sumission Deadline
1 November 2019

More Info at:
www.evostar.org/2020/evocop