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7 – 9 April 2021
Seville, Spain

evocop*

21st European Conference on Evolutionary Computation in Combinatorial Optimisation

The 21st 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

evocop* Conference Chairs

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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.

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 Deadline
1 November 2020

More Info at:
www.evostar.org/2021/evocop