EMO-2021: 28-31 MARCH 2021

Southern University of Science and Technology, Shenzhen, China

CALL FOR PAPERS

WEBSITE:
www.emo2021.org

ORGANIZERS:

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About EMO:

EMO 2021 is the 11th Edition of International Conference Series on **Evolutionary Multi-Criterion Optimization (EMO)**, aiming to continue the success of previous EMO conferences. We will bring together both the EMO, Multiple Criteria Decision-Making (MCDM) communities, and other related fields and, moreover, focusing on solving real-world problems in government, business and industry.

Proceedings:

Full papers (12 pages) will be published by Springer Under LNCS series

Journal Special Issue:

Extended versions of some selected papers will be recommended to the special issues in several journals, including:

- **Complex & Intelligent Systems (SCI, IF = 3.791)**
- **Memetic Computing (SCI, IF = 3.860)**

Planned Sessions:

Keynotes, Tutorials, EMO Sessions, MCDM Sessions, Industry Sessions, Industry Booths for Software/Application Demonstration, Poster Session, Panel Session (to be finalized)

Best Paper Awards:

Best Student Paper Award and Best General Paper Award

Topics of interests:

We aim to discuss all aspects of EMO development and deployment, including (but not limited to):

- EMO for handling of continuous, combinatorial and/or mixed-integer problems
- Constraint handling approaches
- Uncertainty and noise handling approaches, robust optimization
- Many-objective optimization
- Multiobjective metaheuristics
- Multiobjective estimation of distribution algorithms
- Theoretical foundations, complexity analysis, stopping criteria
- Preference handling techniques
- Performance evaluation and metrics
- Multiobjectivization
- Local search techniques
- Hybrid approaches
- Point and population-based hybrids
- EMO and MCDM hybrids
- Parallel EMO models and implementations
- Test functions and benchmark problems
- Algorithm selection approaches
- Comparative studies
- Metamodeling methods in EMO
- EMO in bilevel and generic hierarchical optimization
- Knowledge-driven EMO
- Large-scale optimization
- Exact Multiobjective Methods
- Real-world applications
- EMO algorithm implementation
- Multiobjective landscapes analysis
- EMO and machine learning

Tentative Deadlines:

Submission Deadline: 27 September, 2020

Final Paper Submission: 15 November, 2020

Conference: 28-31 March, 2021