



**GENETIC AND EVOLUTIONARY COMPUTATION CONFERENCE  
(GECCO-2016)  
EVOLUTIONARY COMBINATORIAL OPTIMIZATION  
AND METAHEURISTICS (ECOM) TRACK  
20-24 July 2016, Denver, Colorado, USA**

Organized by   

<http://www.sigevo.org/gecco-2016/organizers-tracks.html#ecom>

The ECOM track at GECCO 2016 aims to provide a forum for the presentation and discussion of high-quality research on metaheuristics for combinatorial optimization problems. Challenging problems from a broad range of applications, including logistics, network design, bioinformatics, engineering and business have been tackled successfully with metaheuristic approaches. In many cases, the resulting algorithms represent the state-of-the-art for solving these problems. In addition to evolutionary algorithms, the class of metaheuristics includes prominent generic problem solving methods, such as tabu search, iterated local search, variable neighborhood search, memetic algorithms, simulated annealing, GRASP and ant colony optimization.

The ECOM track encourages original submissions on all aspects of evolutionary combinatorial optimization and metaheuristics, including, but not limited to:

- Applications of metaheuristics to combinatorial optimization problems
- Theoretical developments in combinatorial optimization and metaheuristics
- Representation techniques
- Neighborhoods and efficient algorithms for searching them
- Variation operators for stochastic search methods
- Search space and landscape analysis
- Comparisons between different techniques (including exact methods)
- Constraint-handling techniques
- Hybrid methods, adaptive hybridization techniques and memetic computing
- Hyper-heuristics for combinatorial optimization problems
- Characteristics of problems and problem instances

**IMPORTANT DATES:**

27 January 2016	Abstract submission
3 February 2016	Full paper submission (hard deadline)
20-24 July 2016	GECCO 2016 Conference in Denver, Colorado, USA

**TRACK CHAIRS:**

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