

GECCO'16 Black-Box Optimization Benchmarking Workshop (BBOB-2016): Workshop Chairs' Welcome Message

Welcome to the GECCO 2016 Black-Box Optimization Benchmarking workshop (BBOB 2016)!

The Black-Box-Optimization Benchmarking (BBOB) methodology associated to the BBOB-GECCO workshops has become a well-established standard for benchmarking stochastic and deterministic continuous optimization algorithms in recent years. So far, the BBOB-GECCO workshops have covered benchmarking of black-box optimization algorithms for single-objective, unconstrained problems in exact and noisy, as well as expensive and non-expensive scenarios. A substantial portion of the success can be attributed to the Comparing Continuous Optimization benchmarking platform (COCO) that builds the basis for all BBOB-GECCO workshops and that automatically allows algorithms to be benchmarked and performance data to be visualized effortlessly.

As the next natural step, for BBOB-2016, we propose an extension of COCO to problems with more than one objective function with the aim of benchmarking both stochastic and deterministic continuous optimization algorithms in an anytime scenario for unconstrained bi-objective optimization problems. Like for the previous editions of the workshop, source code in various languages to benchmark algorithms was provided to the participants, as well as for postprocessing data and displaying algorithm performance.

We would like to thank all participants for their contributions and are happy to announce that we have accepted 5 bi-objective and 2 single-objective papers together with 5 sample papers from the organizers that present in total the results of 24 new algorithm variants. For further news about the workshop please check our webpage, and subscribe to the mailing lists!

The BBOBies,

<http://github.com/numbbbo/coco/>



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