

2017 IEEE Congress on Evolutionary Computation (CEC)

**5-8 June 2017
Donostia-San Sebastián, Spain**



General Chair's Welcome

2017 IEEE Congress on Evolutionary Computation (CEC)
5-8 June, Donostia / San Sebastián



It is my pleasure to welcome you to Donostia / San Sebastian for the 2017 IEEE Congress on Evolutionary Computation (CEC).

This year, CEC highlights 25 tutorials given by experts in the most relevant and emerging topics of evolutionary computation and related fields. It also features 46 advanced special sessions organized by domain specialists covering focused topics, and 6 competitions in the most exciting and lively research areas in the field. Particular relevance needs to be given to the programmed plenary talks:

- *Multiobjective Optimization for Clustering: A Case Study in Gene Expression Data Analysis* by Sanghamitra Bandyopadhyay.
- *When Do We Resort to EC in the Communications Industry? And What is Needed in the Future?* by Rainer Storn.
- *How Symmetry Constrains Evolutionary Optimizers: Black Box Differential Evolution? A Case Study* by Kenneth V. Price.
- *Use of Traditional Optimization Methods in Multiobjective Evolutionary Computation* by Qingfu Zhang.

This year, CEC received 622 submissions from authors of over 60 different countries. Under the guidance of the program chair, technical co-chairs and the help of special session organizers, 358 papers were accepted for publication in the proceedings, for an acceptance rate of 57%. The accepted papers represent a view of the latest advances in the area and anticipate the next steps in our commitment on mimicking nature to solve real practical problems.

Donostia/San Sebastian hosts you during these days. We hope you can enjoy all it can offer you: the food, the beaches, the atmosphere, the shopping, the attractions, etc. We trust that the scientific program together with its privileged location will turn 2017 IEEE CEC into an unforgettable event.

All this would not have been possible without all the people in the organizing committee. They worked so hard that some of them deserve to be the general chairs of the conference. Special mention to Carlos Coello who ensured the high quality scientific standards of the conference. Alex Mendiburu who, in addition to acting as a financial chair, worked shoulder to shoulder with me in most of the aspects of the organization. Josu Ceberio did a superb job compiling the proceedings and Ekhiñe Irurozki editing the booklet. Borja Calvo designed the web and all the material in addition to contributing with multiple ideas. Last but not least is the contribution of Iñaki Inza, Roberto Santana, Jose Miguel, Leticia Hernando, Usue Mori, Izaskun Ibarbia and Momo Hernández-González. Finally I would like to thank all the different chairs and technical co-chairs whose dedication has made all this lively and inspiring program possible.

Jose A. Lozano
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