Evolutionary Computation

Organizers:

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Evolutionary computation (EC) is a field that gathers many different optimization algorithms inspired on the Darwinian principles of evolution. These techniques have been successfully applied to solve a wide range of difficult engineering problems. This has had as a result an increment on the number of researchers interested on EC. In fact, there is a growing interest in this field across different Universities and research centers in Mexico.

We are organizing a special session on EC within ROPEC 2014 with the goal of putting together researchers working on all areas of EC in the same place. The special session will be the ideal place to interact with the mexican EC community in order to interchange ideas, setting up joint research projects and start actively collaborating with each other.

This session welcomes submissions on any topic related to EC; however, the following topics are of particular interest:

- EC used in machine learning
- Parallelisation of EC
- EC to solve big-data problems
- Real world applications of EC
- Comparative studies between different EC and/or with traditional optimization techniques
- EC surveys on hot topics

Submitted papers should adhere to the specifications in ROPEC 2014 author guidelines. Each submission to the special session will undergo the same revision process as papers submitted to ROPEC 2014. Submission implies the willingness of at least one of the authors to register and to present the communication at the conference, if it is accepted. All accepted papers will be published in a CD and the proceedings will be indexed by IEEExplore.