Universida_{de}Vigo

Evolutionary Computation – Lab-Session 6
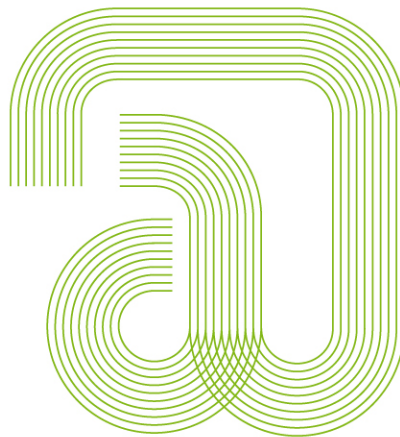
Remind we have fixed the due dates for the second homework as annouced already:

- **March 31st** for the particle swarm optimization for real-valued functions (Schaffer and Rosenbrock) and the TSP problem.

1. Sixth Week

Objectives: Continue to work with particle swarm optimization, on the same problems as already handled with the Guofei-package.

1. Implement and run (using the Guofei-package) the minimization of the traveling salesperson problem. You can use the examples given in the package as baseline. Experiment with the settings of the free parameters and argue about your findings.

2. Again calculate simple statistics (such as average, mean, and standard deviation) regarding the best values found by your Monte Carlo runs.

3. Compare briefly to your results obtained with the genetic algorithm. With your limited knowledge and experience acquired so far: which method would you prefer?

Use a python notebook to implement, execute, and document your work.