

Designing computational intelligence models with ApproxHull and the MOGA framework

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Abstract:

In this talk I will start by briefly reviewing the steps that should be followed in computational intelligence model design. Then I will focus on the existing framework in the Centre of Intelligent Systems for Radial Basis Function networks design, using an approximate Convex Hull algorithm (ApproxHull) and a Multi-Objective Genetic Algorithm (MOGA) Framework. Finally, I will explain with examples how these tools can be of use for control and systems identification, energy and health applications.