Recommendation from associate editor on TEC # 1160

Memory-Enhanced Population-Based Incremental Learning Algorithms for
Dynamic Environments
By Shengxiang Yang & Xin Yao.

This recommendation is based on four reviews (no. 1, 2, 3, 5) and my own reading. Reviewers no. 2 and 3 find the manuscript well written and recommend acception without further review.

Reviewer no. 5 creates the impression that the manuscript is weak: But some details are only given for the last section (conclusions). I do not regard this as a major problem: The authors easily can make their statements more convincing.

Severe objections are raised by the first reviewer: A similar manuscript by the same authors is under review for the journal *Evolutionary Computation* (MIT Press), and the material of this manuscript is only a slight modification of their GECCO 2005 paper (which is not cited). If these statements are true, then I am concerned.

From the technical point of view, reviewer no. 1 rightly argues that the authors should compare their algorithm with state-of-the-art algorithms. I support this request since it is easy to show superiority of a new car by comparison with an ox-cart instead of a Ferrari. This is the only point that requires another review because the experiments may lead to the observation that the authors' method is not as good as hoped for.

Therefore, my recommendation is:

Revise and resubmit.

Günter Rudolph   Dortmund: December 21, 2005