## **Accepted Manuscript**

Pareto-Aware Strategies for Faster Convergence in Multi-Objective Multi-Scale Search Optimization

C.S.Y. Wong, Abdullah Al-Dujaili, S. Suresh, N. Sundararajan

PII: S0020-0255(18)30322-0 DOI: 10.1016/j.ins.2018.04.060

Reference: INS 13603

To appear in: Information Sciences

Received date: 7 December 2017
Revised date: 4 April 2018
Accepted date: 18 April 2018



Please cite this article as: C.S.Y. Wong, Abdullah Al-Dujaili, S. Suresh, N. Sundararajan, Pareto-Aware Strategies for Faster Convergence in Multi-Objective Multi-Scale Search Optimization, *Information Sciences* (2018), doi: 10.1016/j.ins.2018.04.060

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#### ACCEPTED MANUSCRIPT

### Highlights

- $\bullet\,$  New Multi-Scale Scale Algorithm for Multi-objective Optimization
- Pareto-aware strategies for effective sampling of search space
- $\bullet$  Faster convergence compared to MO-DIRECT
- Better solution in multi-model functions

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