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A memetic differential evolution algorithm for energy-efficient parallel machine scheduling

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Highlights

- An unrelated parallel machine scheduling problem with a dynamic speed-scaling technique.
- An objective to minimize both makespan and total energy consumption.
- A new memetic differential evolution algorithm with speed adjusting and job swap heuristics.
- An adaptive meta-Lamarckian learning strategy for local search heuristics.
- Computational results show the proposed algorithm outperforms NSGA-II and SPEA-II.

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