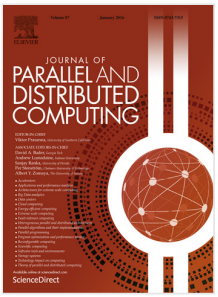
# Accepted Manuscript




Energy and time constrained task scheduling on multiprocessor computers with discrete speed levels

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*Highlights (for review)

# Highlights

- Address energy and time constrained task scheduling with discrete speed levels
- Prove the NP-hardness even on a uniprocessor computer with only two speed levels
- Develop algorithms with two components: task scheduling and speed determination
- Derive worst-case asymptotic performance bounds and average-case asymptotic performance bounds
- Perform extensive simulations to verify the analytical results