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IEEE Sensors Journal  
Editor-in-Chief  
Professor Krikor B. Ozanyan

Dear Prof. Ozanyan,

We would like to submit the attached manuscript, "Design considerations for the integration of energy harvesting systems with energy-aware task schedulers", for consideration for possible publication in IEEE Sensors Journal.

The main contributions of the paper are:

- The adaptation of a solar energy harvesting circuit for low power wireless sensing platforms, improving its efficiency.
- The test of the mentioned circuit outdoor, proving its capability for both harvesting energy and providing to an energy-aware task scheduler more frequent and accurate measurements of battery charge.
- The energy harvesting system simulation, showing that the task scheduler was able to run all critical tasks, while also running 1.23 times more non-critical tasks when compared with the previous approach.
- An experimental correlation between the current delivered by the solar panels and the solar irradiance, which will be used for including environmental prediction capability on the energy-aware task scheduler.

Regarding the potential referees, follows the list:

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We would like to confirm that this article is a new and first time submission. It has not been published or accepted for publication and it is not under consideration at another journal.

Sincerely,

The Authors