

Special Issue

Renewable Energy Systems for Mobile Robots

Message from the Guest Editors

Autonomous robots have special energy needs, their batteries need to be recharged after every use and their autonomy is limited, particularly for aerial vehicles (UAV). In this Special Issue, potential topics include, but are not limited to the following: - Renewable energy supply systems for mobile robots.

- Energy processing for mobile robots: New trends in conversion architectures.
- Energy management in mobile robots: New trends in control algorithms.
- Energy optimization in robotic applications.
- Optimal battery recharging systems in off-grid environments.
- New trends in electrical vehicles (EV) recharging in off-grid environments.
- Contactless battery charging in mobile robots.
- Rethinking usual robotic applications with off-grid supply.
- New robotic applications in off-grid recharging systems. More information, please click [here](#).

Guest Editors

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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