

The logo for PowerMEMS 2021 is enclosed in a blue rounded rectangle with a laptop-like shape at the bottom. The text 'PowerMEMS' is in red, with a globe icon for the 'o' in 'Power'. Below it, '2021' is also in red.

PowerMEMS
2021

PowerMEMS 2021

VIRTUAL CONFERENCE

FULL PAPER DUE
(Single submission, 4 pages)
27 AUGUST 2021

AUTHOR NOTIFICATION
15 OCTOBER 2021

CONFERENCE DATES
6-8 DECEMBER 2021

Technical topics of interest

1. General physics for micro energy transduction
2. Material science, multiferroic materials and advanced functional materials for micro energy transduction
3. Mechanics and mechanisms of energy harvesting and actuation
4. Kinetic energy transduction, including energy harvesting
5. Thermal, chemical, fuel cells, propulsion and cooling
6. Thermal energy transduction, including energy harvesting
7. Triboelectric energy transduction, including energy harvesting
8. RF energy harvesting and wireless power transfer
9. Solar and light energy transduction, including energy harvesting
10. Nano-materials and nano-composites for micro energy systems
11. Electrical conditioning, management, storage and transfer systems for energy harvesting
12. Electron, ion, photon and radiation energy transduction
13. Biologically inspired systems and human/animal energy harvesting
14. Fabrication technologies for micro energy systems
15. Resonance and nonlinear dynamics phenomenon for energy transduction
16. Sensors, IoT, Industry 4.0, WSN, SHM and condition monitoring using energy harvesting
17. Medical sensors or implants using energy harvesting, wearables
18. Applications and innovations of micro energy systems
19. System level integration, packaging and implementation
20. PowerMEMS in Action (concept, prototype or product)

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