



Development and Application of Thermoelectric Power Generators, Energy Harvesters and Refrigerators

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Message from the Guest Editors

Thermal energy is one of the most abundant forms of energy. Among energy-conversion technologies, thermoelectric technologies have attracted a lot of interest due to the usefulness in wide temperature ranges, and scalability from micro devices to container-sized systems. Thermoelectric conversion includes power generation and refrigeration, which include heating, ventilation, and air conditioning (HVAC). Thermoelectric power generation is an environmentally clean way. Thermoelectric cooling has the advantages of precise temperature control, fast response times, and multiformity in system sizes. With respect to recovering waste heat for electricity and energy harvesting, thermoelectric modules and system technologies have been rapidly developed.

Deadline for manuscript
submissions:

closed (31 October 2017)

- Inorganic/Organic thermoelectric modules
- Thermoelectric cooling systems
- Flexible thermoelectric generators
- Thermoelectric power generation systems
- Photovoltaic/Piezoelectric-thermoelectric hybrid generators
- Joining method for thermoelectric module fabrication
- Thermoelectric energy harvesting technologies





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Message from the Editor-in-Chief

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