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Static Conversion of Energy for the Smart Exploitation of Renewables

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Message from the Guest Editor

This Special Issue concerns the static conversion of energy for civil and industrial use. Static energy conversion processes have numerous advantages, such as lack of friction and wear, and therefore, greater efficiency and durability, as well as lower maintenance costs, greater energy density (both in relation to volume and mass), insensitivity to the forces of inertia and volume, the possibility of operating at very high temperatures, and finally, the possibility of scaling the power values in a very wide range. Despite these characteristics, which make them particularly suitable for the use of all forms of renewable energy, these technologies are still at a limited level of development, which jeopardizes their widespread use. The focus is mainly on thermoelectric conversion, but any process that meets the above requirements falls fully among the topics of interest.

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Message from the Editor-in-Chief

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