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Recent Trends of Smart Energy Communities

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Message from the Guest Editor

In recent years, energy communities have emerged as pivotal enablers of the energy transition, fundamentally reshaping the traditional energy landscape. Even if different definitions and regulatory frameworks exist across countries, energy communities typically consist of a coalition of several end-users. Those can be equipped or not with distributed energy resources in their premises or share assets, and they can exchange and/or trade energy together. This allows for achieving more efficiency while taking advantage of heterogeneous energy usages. As such, energy communities empower end-users to become active participants in the energy transition process. They play a crucial role in advancing renewable energy adoption and integration of distributed resources.

Beyond the implementation of efficient energy management strategies, one main challenge related to communities lies in the coordination between members and the mechanisms to share/trade energy among them.



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Message from the Editor-in-Chief

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