



The Research and Innovation of Sustainable Energy

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Message from the Guest Editor

With the energy evolution to meet the global needs for electricity, heating, cooling, and transport, the sustainable transition is considered one of the most crucial challenges. Meeting the present's needs without compromising future generations ability to meet their own needs refers to a sustainable system. A sustainable system ensures the right balance between the environment, economy, and society. Thus, an energy system that is able to fulfill these criteria is termed as a sustainable energy system. A sustainable energy system is one of the pre-requisites toward overall national sustainable development, and this is equally important for both developed and developing countries. For instance, a future electricity grid expansion plan must consider the three sustainability criteria/pillars (environment, economy, and society) for the developing economies. At the same time, a sustainable energy transition pathway must be ensured for the developed nations. The sustainable energy transition requires a considerable scale change with new technology, system thinking, business models, market analysis, policies, and governance.





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Message from the Editor-in-Chief

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