Special Issue

Integration Technology of Energy Distribution Systems, Their Resilience and Final Uses

Message from the Guest Editors

The European Project "Network Energy Sustainable Transition-NEST", chapter “Final use optimization, sustainability & resilience in energy supply chain” is focused on the sustainable energy optimization in the final use, ensuring sustainable and resilient energy management, energy consumptions, energy generation, energy distribution and uses. Europe wastes at least 20% of energy due to inefficient components and systems. Final use optimization is a crucial principle that looks to the next generation considering basic energy-saving and cost reduction principles, including environmental protection, sustainability, resilience, and climate neutrality. One challenge of the European Energy Policy is to turn Europe into a highly efficient and net zero energy economy, a New Industrial Revolution, accelerating change to decarbonization. Renewable Energy Systems are the key to change. This renovation must consider sustainability and resilience in energy supply chain, which important to modern societies highly dependent on continued access to energy services. Energy’s, efficiency, resilience, and reliability must be our benchmarking for a greener transition.

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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