Special Issue

Smart Community Energy Systems

Message from the Guest Editor

It has long been posited that the scale of technical innovation that is disrupting electrical energy systems has passed from the GW to the kW scale. This reduction in scale is creating opportunities for different forms of operational collectivisation to emerge, and key among these is the concept of smart community energy (SCE) systems. Whilst it is likely to be true to say that a SCE system is determined by their governance structure, participation, ownership, local consumption, and technology, the term is sufficiently fluid to permit a plethora of models to emerge. How SCE systems interact with incumbent electrical grids is similarly ill-defined, with models being brought forward that span wholly autarkic systems to those where a significant aspect of their economic viability is determined by the provision of services to the incumbent network. This Special Issue of Energies wishes to present articles describing different SCES approaches and models. Of particular interest are investigations into the sociotechnical aspects of SCE systems.

Guest Editor

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Message from the Editor-in-Chief

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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