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Energy and Business: New and Disruptive Business Models, Blockchain Experiments and Regulation

Guest Editor:

Prof. Dr. Teresa Pakulska

SGH Warsaw School of
Economics, Collegium of
Business Administration,
Institute of Markets and
Competition, al. Niepodległości
162, 02-554 Warsaw, Poland

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Message from the Guest Editor

Dear Colleagues,

The Special Issue entitled "Energy and Business: New and Disruptive Business Models, Blockchain Experiments and Regulation" focuses on the impact of digitization on the new, breakthrough business models in the energy sector, namely the energy platforms, virtual power plants and peer-to-peer models. These new business models are increasingly using not only IoT and smart grids, but also blockchain and AI. The digital energy transformation is also accompanied by the entry of new economic entities into the energy market. Digitization is seen as an important factor in intensifying the development of renewable energy. This is in line with the climate policy of more developed countries (e.g. the European Green Deal in the EU). Digitization tools can constitute significant support in managing dispersed energy sources (through smart contracts), as well as in the inclusion of prosumption energy into the energy distribution network, and in ensuring energy security at the local and national levels. The high efficiency of new business models in the energy sector also requires a slightly different approach to legal regulations, combining energy with digitization.



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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