Special Issue

Advanced Control in the Energy Sector

Message from the Guest Editor

Advanced control has played an important role in maintaining the production and quality of processes at an optimal level. Technological development has also changed the overall picture in the energy sector. Moving from fossil fuels to more sustainable energy production —bio, solar, wind and tidal—has brought along new possibilities, and has also meant new challenges for operation, monitoring and control. On the one hand, production is concentrated on bigger units, and on the other hand, distributed production is necessary to take advantage of locally-available fuels, when the transportation of these fuels is not economically or environmentally feasible. This leads to increasing requirements for coordination and security aspects that are present in everyday life, e.g., in district heating systems, farm energy production, and secure energy for hospitals, just to give a few examples. It is my pleasure to invite you to submit original research papers, short communications or state-of-the-art reviews within the scope of this Special Issue. Contributions can include one or more of the below-mentioned topics, but are not limited to them.

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2019)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/15908

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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