Call for Papers - *Energy Systems*, Special Issue on Blockchain and Energy SysTems (ENSY-BEST)

**Submission Deadline:** 20th February 2020  
[https://link.springer.com/journal/12667](https://link.springer.com/journal/12667)

**Overview**

The miracle of Bitcoin and digital currency has made blockchain one of the most popular and promising technologies in a digital world. Blockchain technology has a great potential to change our daily life in the same way Internet had impacted our society. At the same time, our society is running on energy systems because almost all of our activities are in some sense powered by non-human forces.

There are two major ways that blockchain systems are interacting with energy systems. Firstly, the blockchain systems are reliant on the computing systems powered by electricity. Cryptocurrency mining has already caused troubles in electricity consumption as more and more computing powers have joined the consensus network. Secondly, energy systems are expecting more distributed renewable resources and leaning toward higher transparency and fairness and experiencing various transitions such as consumers becoming prosumers. Blockchain technology undoubtedly will offer novel ways to resolve these related issues.

In this special issue, we aim to publish articles that help to understand the interconnections and interactions between blockchain technologies/implementations and energy systems. The topics may include, but are not limited to, the following:

- Distributed Energy Resources/Generation
- Blockchain for Smart and Micro grid
- Competition in Electricity Markets
- Utility in Energy via Blockchain
- Power Generation and Trading
- Energy Consumer to Prosumer Transition
- IoT and Machine-to-Machine Transactions
- Energy Efficiency
- Renewable Energy
- Blockchain Technology
- Cryptocurrency Technology
- Energy Cost in Cryptocurrency Mining
- Smart Contracts for Energy Systems
- Energy Aspects of Proof of Work and Proof of Stake
- Legal Aspects in Blockchain Applications in Energy Systems

**Submission Guidelines**

We invite original, high-quality contributions that are not yet published and that are not currently under review elsewhere. Papers will be peer-reviewed by independent reviewers and selected based on originality, scientific quality and relevance to this Special Issue. The journal editors will make final decisions about the acceptance of the papers. The papers should be submitted at [https://www.editorialmanager.com/ensy/](https://www.editorialmanager.com/ensy/)

**Important Dates**

- Paper submission due: February 20th, 2020
- First-round notification: April 20th, 2020
- Revision submission: May 20th, 2020
- Notification of final decision: June 20th, 2020
- Submission of camera-ready papers: July 20th, 2020
- Publication date: Fourth quarter of 2020

**Guest Editors**

- Dr. Qipeng Phil Zheng, University of Central Florida, qipeng.zheng@gmail.com
- Dr. Alexander Semenov, University of Jyväskylä, alexander.v.semenov@jyu.fi
- Mr. Yige Dai, Hersche International Education Institute, Hersche International Investment Co., daiyige@gmail.com