

Call for Papers

The Journal of Energy Markets

Special Issue on Blockchain Enabled Energy Markets

*Guest co-edited by Jesus Nieto Martin, London Business School, and
Sarah Hambridge, Energy Web Foundation*

Energy businesses, governments and regulators are trying to position themselves as consumer-centric in a world where the global technology evolution is shifting towards integrating Distributed Energy Resources (DER). The initiated evolution in the energy sector will change how energy is transacted. Blockchain technology has the potential to reduce transaction costs in the energy sector, enable active participation of a larger number of market participants (consumers, devices and algorithms) and, as a consequence, accelerate the transition towards a cleaner, more resilient and cost effective system.

In collaboration with the [Energy Web Foundation](#), the *Journal of Energy Markets* will publish a special issue on Blockchain Enabled Energy Markets. All papers will be peer-reviewed, aiming at the highest academic standards for innovative research on this topic. The Journal therefore invites submissions on the following subjects:

- **Blockchain and Decentralized Energy Market Design and Implementation, including**
 - Energy economics and market efficiency
 - Rate design for transactive grids
 - Balancing market/ancillary services market
 - Optimized market-making (liquidity vs. efficiency)
 - Nodal pricing / Locational marginal pricing
 - Multi-vector community energy
- **Blockchain and Decentralized Grid Operations, including**
 - Smart metering and billing
 - Microgrid stability
 - Modular rural electrification
 - Renewables including electric vehicles integration
 - Peer to peer trading
 - IoT
 - Energy prosumers
 - Demand response, reactive power, voltage management
 - Asset management
- **Core Blockchain Technology Development & Energy, including**
 - Smart contracts
 - Smart algorithms/ Artificial Intelligence
 - Crypto-economics
 - Comparative advantage of blockchain over established technologies in energy
 - Identity management, data privacy & IT security/ cryptography
 - Blockchain scalability
 - Data storage and market places
 - On-chain blockchain governance, DAOs

Submission Requirements

Manuscripts should be prepared for publication in accordance with the usual submissions guidelines, which can be found at: <http://www.risk.net/static/risk-journals-submission-guidelines>. Submissions for this special issue should be submitted directly to: jmartin@london.edu

All submissions will be subject to a peer review process by at least two independent peer reviewers. Final decisions on paper acceptance will be given by the Editor-in-Chief, Derek Bunn.

Length

Research papers should ideally not exceed **8000 words**, including references.

Submission deadlines

Papers should be submitted by: **June 1st, 2018**

First round notification: **August 1st, 2018**

Intended publication date: **March, 2019**

About the Journal

Energy markets are one of the fastest growing and most complex sectors. From the basic role that oil has in the global economy, to the essential services that gas and electricity provide, energy is an area of geopolitical concern as well as financial activities. For over ten years the *Journal of Energy Markets* has served as a major research outlet for new empirical and model-based work in this sector, and publishes original papers on the evolution and behaviour of electricity, gas, oil, carbon and related energy markets, both wholesale and retail.