Emergence of Peer-To-Peer electricity trading via blockchain: comparative case study of technological innovation system build-up

The growing deployment of renewable electricity generation technologies and innovation in batteries, smart meters and other balancing technologies are enabling a transition to more distributed generation of electricity. An increasing number of electricity consumers are, by installing small-scale RE technologies, becoming 'prosumers' that both produce and consume electricity. This trend upsets the current dominant model of centralized production and one-way transmission and, consequently, disrupts the structure of the electricity system. An example of a potentially disruptive model is peer-to-peer (P2P) electricity trading enabled by the blockchain technology.

Author biographies

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Kristina is a PhD Candidate at the Department of Energy and Environment at Chalmers University of Technology in Gothenburg, Sweden. Her main interest is to apply socio-technical concepts to study international and historical developments in electricity systems. During her doctoral studies, Kristina aims to conduct case studies of novel electricity system constellations to explore and understand different development pathways for future electricity infrastructures.

Event details

Date	Wednesday 21 February 2018
Time	12noon – 1pm
Venue	Norman Dufty Building 210, Room 102 Curtin University

	Kent Street, Bentley
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