



Blockchain in the electricity industry: how much disruption can we expect?

THEMATIC AREA: Blockchain

WEBINAR TITLE: Blockchain in the electricity industry: how much disruption can we expect?

DATE: 26 July 2019

TIME: 11:00 – 12:00 IST

DURATION: 1 Hour

VENUE: Online

CONTACT: blockchain-secretary@ieee-ukandireland.org

> WEBINAR HIGHLIGHTS

This webinar will be a broad, and at times opinionated, discussion about the potential for blockchain disruption in the electricity industry. Can we expect peer-to-peer electricity trading in the medium term? Will this require new metering infrastructure or regulatory arrangements? How relevant is the “Oracle problem” here: if we trust a centralised entity to install and maintain electricity meters, why not likewise trust them to operate a centralised trading platform?

In answering these questions, Paul will introduce the topic of smart contracts, and will provide a speculative vision for how blockchain can enable exotic new financial arrangements in the electricity industry, for consumers, investors and generators alike.

> WHO SHOULD ATTEND

This webinar is aimed at anyone who has heard some of the hype about blockchain electricity trading, but isn't quite sure yet how it all fits together. It's for the open-minded but sceptical, let's say.

(Disclaimer: Paul isn't sure yet how it all fits together!)

> WEBINAR OBJECTIVES

- Introduce potential trajectories for how blockchain could disrupt the electricity industry
- Describe the potential benefits and disadvantages of tokenised paradigms for electricity trading
- Articulate some speculative ways that the financing of energy projects could be democratised

> THE SPEAKER

Paul Cuffe received B.E. and Ph.D. degrees in Electrical Engineering from University College Dublin in 2009 and 2013, respectively. He is currently an assistant professor within the UCD School of Electrical & Electronic Engineering, and is a member of the Energy Institute. He is the Principal Investigator on a project funded by Sustainable Energy Authority of Ireland entitled “*Using blockchains to facilitate renewable power generation: forecasting hedging and tokenisation applications*”



> WEBINAR CONTENTS

1. Blockchain for energy tokenisation
2. Potential market structures
3. Smart contracts
4. Exotic financial arrangements

> ACCREDITATION

This webinar is accredited by IEEE UK and Ireland Section.

> TRAINING WEBINAR STYLE

This training Webinar is practical, participatory and personal. We focus on real issues and help participants to benefit from the techniques covered, rather than just discuss them. A variety of learning methods are employed to stimulate interest and meet the differing needs of participants– including illustrated presentations, discussions, and case studies.

> REGISTRATION

Please fill in the form at <https://www.eventbrite.co.uk/e/blockchain-in-the-electricity-industry-how-much-disruption-can-we-expect-tickets-64743419310> to book your seat for the webinar

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