

Joint IEEE/CIGRE Blockchain in Power Systems Panel

25 August 2021 2-4pm Paris Time

Chair David Bowker, Convenor CIGRE C5.33 Working Group

Electricity market challenges and how to address them through market developments and emerging technologies

Hannes Agabus, Tallinn University of Technology, Estonia

- Evolution of power grids and markets
- Principles of future EU electricity market design
- Market shortcomings and challenges
- Market redesign and emerging technologies
- Summary of how blockchain can address market challenges

CIGRE Blockchain – Current State (C5:30 WG Insights and Energy use Cases)

Anant Venkateswaran, Digitalisation and Decarbonisation Adviser

- Working group overview, key objectives, and deliverables
- Blockchain applications in electricity markets
- Insights from global blockchain project assessments and technical report
- Next Steps for working group

IEEE Blockchain in Energy Standards and Transactive Energy

Claudio Lima, Ph.D., – Blockchain Engineering Council (BEC)

– Co-Founder, IEEE Blockchain in Energy P2418.5 WG Standards - Chair

- Blockchain in Energy Standards Updates
- Blockchain Transactive Energy Initiative
- Blockchain Energy Reference Models

IEEE Blockchain-enabled Transactive Energy (BCTE) program

Dr Farrokh Rahimi, Executive Vice President., Open Access Technology International, USA

- Overview of a recent IEEE BCTE Position Paper that describes the basic framework and principles for using blockchain technology in power and energy domains
- It serves to provide a cohesive structure that can align and grow worldwide local group contributions

Blockchain – The Future

Umit Cali, Ph.D., – Norwegian University of Science and Technology,
– IEEE Blockchain in Energy P2418.5 WG Standards – Vice-Chair

- Blockchain Energy Use Cases – segmentation, survey and mapping from P2418.5
- Next generation Distributed Ledger Technology and outlook
- Impact of DLT on the Digital Green Shift

Question and Answer Session

Register here