



Peer to peer closed exchanges, an algorithmic economics view

THEMATIC AREA: Blockchain

WEBINAR TITLE: peer to peer closed exchanges, an algorithmic economics view

DATE: Fri 25 September 2020

TIME: 12:00 – 13:00 BST

DURATION: 1 Hour

VENUE: Online

CONTACT: blockchain-secretary@ieee-ukandireland.org

> WEBINAR HIGHLIGHTS

As an introduction to peer to peer trading, this webinar is designed to discuss the technological basis for peer to peer trading with autonomous contracts.

In the last 20 years, the technological maturity of online payment systems, the widespread adoption of the WEB and advances in distributed systems and cryptology protocols are generating a new range of exchange opportunities, with related novel market models and properties. This has translated in the design and implementation of segregated p2p exchanges, where the supply of liquidity is driven by consensus and governance algorithms driven by distributed systems protocols. Within that context, this webinar introduces the technologies that underpins p2p exchanges and delve on the taxonomy and modelling of adversarial situation in which a subset of the p2p actors instantiate “economical attacks” that attempt at undermining the liquidity of the system.

> WHO SHOULD ATTEND

This webinar is intended for everyone, from students already studying a branch of Distributed Systems/Cryptology to practitioners who work in the field.

> WEBINAR OBJECTIVES

- Discuss the technological basis of peer to peer trading.
- Discuss the differences between closed and open p2p exchanges.
- Describe a taxonomy of adversarial situations like economical attacks in closed p2p exchanges.

> THE SPEAKER

Dr Emanuele Ragnoli is a Research Staff Member and a Technical Lead of the algorithmic economics in IBM Research – Ireland. He has 10+ years of experience in the real time implementation and control of large scale systems, ranging from their security to their systems theory design and analysis. Emanuele's research interests are in probability theory (randomness, stochastic processes), distributed computing (consensus), cryptology and algorithmic economics .



> WEBINAR CONTENTS

1. p2p technologies
2. adversarial threats
3. taxonomy of economics attacks

> 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/peer-to-peer-closed-exchanges-an-algorithmic-economics-view-tickets-119874492835> to book your seat for the webinar



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