



Foundation & Basics of Blockchain and Smart Contracts

THEMATIC AREA: Blockchain

WEBINAR TITLE: Foundation & Basics of Blockchain and Smart Contracts

DATE: FRI 14 June 2019

TIME: 11:00 – 12:00 BST

DURATION: 1 Hour

VENUE: Online

CONTACT: blockchain-secretary@ieee-ukandireland.org

> WEBINAR HIGHLIGHTS

The objective of this webinar is to provide basic and foundational knowledge on blockchain and smart contracts. In particular, the webinar will a) present how a blockchain works, b) explain what a smart contract is, how it is related to blockchain technology and what is its functioning, c) introduce the concept of oracles, d) explain what a decentralized application (dApp) is, e) highlight strengths, weaknesses, opportunities and threats of blockchain and smart contracts, e) present some use cases that could be realized using this technology. The webinar will also stimulate the reflection on whether, for a specific use case, relying on blockchain and smart contracts could be worthy, or whether it could be a wiser choice to exploit already well-mastered (traditional) technologies.

> WHO SHOULD ATTEND

This webinar is intended for everyone, from students to practitioners who work in the field, to people who consume or use services rendered online on a daily basis.

> WEBINAR OBJECTIVES

- Explain what a blockchain is and how it works
- Describe the concepts of smart contracts, oracles, and dApps, with a simple example
- Present strengths, weaknesses, opportunities and threats of blockchain and smart contracts
- Provide an overview of use cases that could be realized using blockchain and smart contracts
- Stimulate the reflection on whether to use blockchain and smart contracts or not for a specific use case

> THE SPEAKER

Dr. Valentina Gatteschi is an Assistant Professor with time contract at the Department of Control and Computer Engineering at Politecnico di Torino, Torino, Italy, where she performs research in natural language processing, human-computer interaction, intelligent systems and blockchain.

Valentina Gatteschi holds a PhD degree in Computer Engineering and BSc and MSc degrees in Management Engineering from Politecnico di Torino, Torino, Italy.

She is a member of the [IEEE Blockchain Initiative](#) Subcommittee on Education and a member of the [Blockchain Education Network \(BEN\)](#).



> WEBINAR CONTENTS

1. Blockchain
2. Smart contracts
3. Blockchain technology advantages/drawbacks
4. Blockchain/smart contracts use cases

> 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/basics-and-foundation-of-blockchain-and-smart-contracts-tickets-62137302344> to book your seat for the webinar



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