



STRATEGOS Webinar

Blockchain Technology explained & made Clear

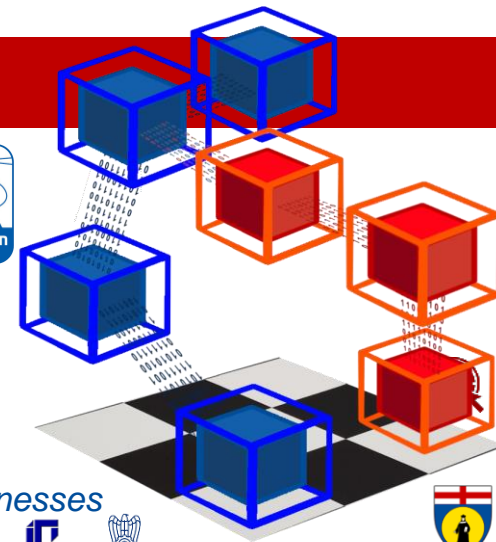
14.30-16.00 GMT+2, May 7, 2021 in STRATEGOS Webinars by MS TEAMS



Dr. Valentina Bertella, Simulation Team, PhD in Mathematics & PhD in Simulation

Prof. Agostino G. Bruzzone, STRATEGOS Council Chair and Simulation Team President

This Webinar addresses Blockchain and Consensus Algorithms from the point of view of Scientists interested in their Algorithms and Real Applications. This Webinar proposes description of logical structures as well as examples of Blockchain strongholds and weaknesses



The Webinar explains how **Blockchain Technology** works and its applications. Indeed, a **Blockchain** is a **Distributed Database** that, exploiting the peer to peer technology, manages an ever-growing list of data, through a block-coding procedure with the aim of guaranteeing the **Security** and **Immutability** of **Data** by **Cryptographic Methods** and effective **Verification Systems**.

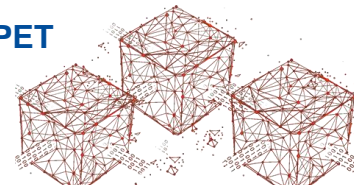
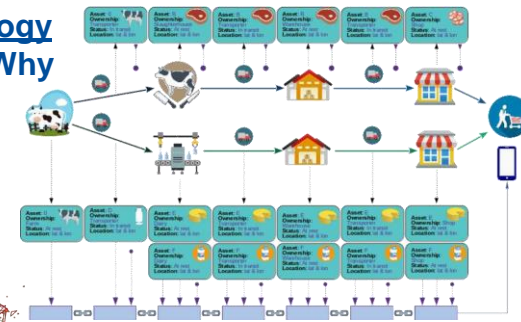
During the Webinars **Multiple Algorithms** are proposed and compared: i.e. **Proof of Work**, **Proof of Space**, **Proof of eXercise**, **Greedy Heaviest-Observed Sub-Tree**, **Proof of Useful Work**, **Proof of Elapsed Time**, **Proof of Luck**, **Proof of Stake**, etc.

The **Advantages** and **Criticalities** of the **Blockchain Technology** are described as well as the **Vulnerabilities** and approaches oted to reduce them; indeed the potential of this approach is quite great, but to be successfully used need to know its **Foundations**

This Webinar moves from the “**buzz word**” to the clear understanding of **Blockchain Technology** in order to provide the audience with the capability to understand **Who, What, Where, When, Why** in reference to their use providing attendees the capability to evaluate risks and benefits.

This Webinar proposes innovative applications within **Supply Chain Management** and in **Projects** and **Governmental Initiatives** for **Infrastructures** and **Constructions**

This **Workshop** is part of **Webinars** organized by **STRATEGOS & MIPET** by **Genoa University** in cooperation with **Confindustria** and **Ordine degli Ingegneri**. This Webinar provides **2 CFP credits** to professional Engineers



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