

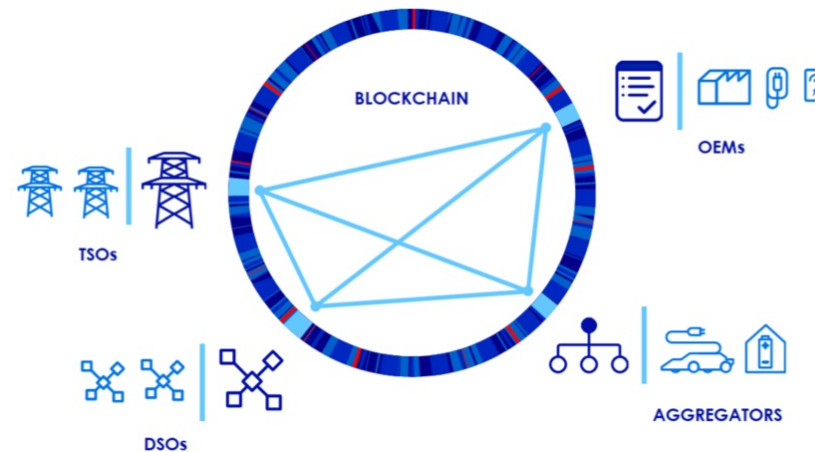
# Blockchain and Peer to Peer systems

## Objectives

Since the 2008, a dramatic increase in industrial and academic interest in blockchain technology has been evident. In addition, start-ups, as well as industry initiatives, are presently working intensely on blockchain-based innovations, making the technology one of the most promising drivers of innovation in many sectors and industries. However, the design and implementation of blockchain-based systems requires know-how in several areas, as well as mindful consideration of larger economic and societal issues. These objectives provide the starting point for this course. In this course students will enhance their engineering knowledge and competencies on the power system. The innovative technology blockchain and its functioning will be introduced, with particular attention to the electrical networks. Peer-to-Peer and decentralised management will be introduced to the student and in order to convey the subject, examples and projects will be developed during the course.

## Entry Requirements

This course is of particular interest to students from the fields of **Computer Science** and **Electrical Engineering**. Students from **other fields of study** with a strong interest in the topic and Data Science who have a strong technical and analytical background are also **welcome to apply**. Basic knowledge of programming is not required, but desirable.



## Subscription link

<https://forms.gle/nx7qxngp8rw7bYUD8>

**September 13-17, 2021**  
**University of Cagliari**  
**1<sup>st</sup> Edition**



## Course Delivery

**Hybrid**, this course accommodates on campus and online students

## Lecturers

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