



The 50th International Conference on Computers and Industrial Engineering

CIE50 | October 30–November 2, 2023

Special Session on Blockchain Beyond Cryptocurrency: How This Revolutionary Technology is Transforming Industrial Engineering and Energy Management

Organizers

	Name	Affiliation	Email
1	Mohammad Yaser Mofatteh	Computer Science School of Business, Social & Decision Sciences Mathematics & Logistics Constructor University Bremen gGmbH Campus Ring 1 28759 Bremen Germany	mmofatteh@constructor.university
2	Dr. Omid Fatahi Valilai	University Lecturer in Industrial Engineering School of Business, Social & Decision Sciences Mathematics & Logistics Constructor University Bremen gGmbH Campus Ring 1 28759 Bremen Germany	ofatahivalilai@constructor.university

Session Information

At one point, I was searching for a sales expert in a startup ecosystem to market a groundbreaking product in the education industry. However, on every recruitment platform I applied to, I was asked if I was seeking an employee for network marketing. Selling is a specialized and crucial skill in business, and it goes beyond simply networking. It took me a long time to make it understandable that networking is just one example of a specialized sales skill, not the most important one. Unfortunately, a similar misunderstanding exists in the field

of blockchain technology. When people hear the word "blockchain", they immediately associate it with simple and trivial concepts like Bitcoin or Ethereum. If blockchain is mentioned in a specialized context, the first thought that comes to mind is the creation of a new cryptocurrency with a name relevant to that field. People assume that the value of this cryptocurrency will fluctuate in the crypto trading market, and shareholders will make huge profits. However, the truth is that the applications of blockchain technology go beyond finance, and cryptocurrencies are just a small part of what it has to offer. In this session, I plan to provide examples and discuss the various revolutionary applications of blockchain technology in industrial engineering. These include the optimal management of energy resources, supply chain management, operational research and optimization, and other fields. In the second part, I will focus specifically on the potential of blockchain technology in optimal energy management. By reviewing various energy management solutions, I will present the business opportunities that come with using blockchain technology in this field.

Submission Deadline: May 30, 2023

Notification of Acceptance: July 5, 2023

Early Bird Registration Deadline: July 30, 2023

Final Paper Submission Deadline: August 15, 2023