

KM2024 Conference
Pre-Conference Industry Day
SGH Warsaw School of Economics, Warsaw, Poland
Themes: Knowledge Management, Cybersecurity, Learning, and Information Technology
<https://iiakm.org/conference/>

Invited Talk
Blockchain, why do we trust on-line transactions?

Małgorzata Michniewicz
Member of the Board - ISACA Warszawa
www.isaca.waw.pl

Abstract:

The rapid development of blockchain technology has significantly changed the landscape of online transactions, offering unprecedented levels of security and trust. In this presentation, I will present the evolution of blockchain, examining its basic principles and the mechanisms that underlie its reliability. The key to this trust is consensus algorithms such as Proof of Work and Proof of Stake, which ensure data integrity and prevent fraud. Additionally, I will present applications of blockchain beyond cryptocurrencies, including supply chain management, smart contracts, and digital identity verification. By decentralizing data and eliminating intermediaries, blockchain promotes transparency and increases trust in digital interactions. Through a comprehensive analysis, this presentation sheds light on why blockchain has become a cornerstone of modern online transactions, driving innovation across diverse industries.

ISACA supports emerging technologies such as Blockchain, AI, Cloud and IoT by providing frameworks and guidelines that enhance security and trust in these technologies. Offers certifications and training that prepare professionals to manage risk and control in the context of blockchain, thereby building the credibility of online transactions.

About the Speaker:

Małgorzata is a graduate of the University of Economics in Krakow, majoring in "Information Science and Econometrics", and postgraduate management studies in "IT Project Management" at the University of Warsaw. Associated with IT for 30 years. She built an information security management system at many organizations. Project manager for the construction of the Security Operations Center Concept for ZUS. Personal data protection officer at the Central Sports Center and all Olympic Centers. She advises, trains and audits private enterprises, government organizations in the field of cybersecurity, business continuity and blockchain. She is certified: ISO 27001 LA, ISO 22301 LA, ISO 9001 LA, CDPSE, PRINCE, P3O, MoR, ITIL, CyberSec, COBIT. She has been active in the ISACA Warsaw Chapter association for 12 years. PhD student at the Faculty of Cybernetics of the Military University of Technology, her research area includes consensus mechanisms used in blockchain technology.

