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Geopolitical Risk, Macroeconomic Factors and Different Assets During the War Periods: Implications for Herding and Portfolio Diversification

N Khan, S Mejri, A Leccadito, SH Kang - Economic Modelling, 2025

This study examines dynamic connectedness and portfolio optimization among Gold, Bitcoin, Silver, Green bond, the S&P500 index, and expected geopolitical risk (GPR) during the Russia–Ukraine and Palestine–Israel conflicts. It employs a comprehensive array of methodologies, including the wavelet quantile vector autoregression method, revealing weak static and time-varying shock spillovers, and the wavelet cross quantilogram, elucidating heterogeneous and changing intrinsic …

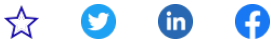• Cites: Bitcoin: A Peer-to-Peer Electronic Cash System 🔗

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[HTML] Optimizing Teacher Portfolio Integrity with a Cost-Effective Smart Contract for School-Issued Teacher Documents

DL Silaghi, AC Artenie, DE Popescu - Computers, 2025

Diplomas and academic transcripts issued at the conclusion of a university cycle have been the subject of numerous studies focused on developing secure methods for their registration and access. However, in the context of high school teachers, these initial credentials mark only the starting point of a much more complex professional journey. Throughout their careers, teachers receive a wide array of certificates and attestations related to professional development, participation in …

• Cites: Bitcoin: A peer-to-peer electronic cash system. 2008 🔗

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[HTML] Faster threshold-SM2 with identifiable abort and non-interactive online signing

Y Lv, R Zhang, Y Tao, Z Zhu - Cybersecurity, 2025

Threshold signatures are essential for fault-tolerant applications among groups of users, such as in blockchain transactions. SM2 is a digital signature standard in China and ISO, yet its threshold variant is less developed compared to international alternatives such as ECDSA. Specifically, modern threshold signatures offer identifiable abort (ID-abort) and non-interactive online signing, but these features make threshold-SM2 costly, limiting its real-world application. In this paper, we …

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[PDF] ChipmunkRing: A Practical Post-Quantum Ring Signature Scheme for Blockchain Applications

DA Gerasimov - Cryptology ePrint Archive, 2025

We present ChipmunkRing, a post-quantum ring signature scheme designed for blockchain deployment. Built upon the Chipmunk lattice-based signature scheme, ChipmunkRing achieves signature sizes of 20.5-279.7 KB with signing times of 1.1-15.1 ms and verification times of 0.4-4.5 ms for rings of 2-64 participants. Our key innovation is Acorn Verification, a novel zero-knowledge scheme that replaces the Fiat-Shamir transform, enabling O (n) verification complexity with 96-byte proofs per …

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[PDF] Blockchain-Enabled Explainable AI for Trusted Healthcare Systems

MT Mohsin - arXiv preprint arXiv:2509.14987, 2025

This paper introduces a Blockchain-Integrated Explainable AI Framework (BXHF) for healthcare systems to tackle two essential challenges confronting health information networks: safe data exchange and comprehensible AI-driven clinical decision-making. Our architecture incorporates blockchain, ensuring patient records are immutable, auditable, and tamper-proof, alongside Explainable AI (XAI) methodologies that yield transparent and clinically relevant model predictions. By …

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[PDF] Causal Relationship Between Experienced Trauma and the Optimized Algorithm of Traumatic Reactions Can a Revived Trauma Govern a Person

M Kuka - J Psychol Neurosci, 2025

This study aims to explore how traumatic experiences influence behaviour in a reactive manner. Is it possible that trauma of significant intensity and duration can "revive," that is, generate a "traumatic algorithm" which, through replication, becomes optimized within a person's emotional–motivational, social, moral, and conative traits and capacities-ultimately reprogramming their character, behaviour, thought processes, and emotional regulation, beyond their conscious will? This …

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[PDF] Pérdida de valor del dólar y el surgimiento de la moneda digital

LIP Jiménez - ARANDU UTIC, 2025

La hegemonía del dólar estadounidense como moneda de reserva global enfrenta desafíos significativos debido a su pérdida de valor, impulsada por factores económicos y geopolíticos, mientras que las monedas digitales, tanto descentralizadas (criptomonedas) como centralizadas (monedas digitales de bancos centrales o CBDC), surgen como alternativas viables en el sistema financiero internacional. Este artículo tiene como objetivo analizar las causas de la …

• Cites: Bitcoin: A Peer-to-Peer Electronic Cash System 🔗

[PDF] Pengaruh Harga Cryptocurrency dan Komoditas Terhadap Indeks Harga Saham Gabungan (IHSG) Periode 2020-2024

A Fadhilah, R Susanti - PENG: Jurnal Ekonomi dan Manajemen, 2026

This study aims to investigate the impact of cryptocurrency and commodity prices on the movement of the Composite Stock Price Index (IHSG) in Indonesia during the period 2020–2024. Motivated by the increasing complexity and interconnectivity of global financial markets, this study examines the independent variables of Bitcoin, Ethereum, gold, and world crude oil prices against the dependent variable of the IHSG, based on the Efficient Market Hypothesis (EMH). Using a quantitative …

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[PDF] El uso potencial de cadenas de bloques (blockchain) en el comercio internacional y su facilitación

V Cram-Martos, J González, LM Ramírez, J Arteaga - 2025

El presente trabajo explora el rol de las cadenas de bloque (Blockchain) en el comercio internacional, destacando su capacidad para mejorar la transparencia, la trazabilidad y la eficiencia en las cadenas de suministro. El análisis comienza con los desafíos tradicionales del comercio internacional—como la burocracia, la falta de confianza entre actores y los costos derivados de intermediarios—, para luego introducir el Blockchain como una tecnología disruptiva que puede ofrecer …

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[PDF] Method of Ensuring Data Integrity and Authenticity based on the Integration of Blockchain Technology

I Opirskyy, V Poberezhnyk, V Balatska - 2025

The paper is devoted to the study of a method for ensuring the integrity and authenticity of data in open information and communication environments using blockchain technology. The relevance of the topic is due to the growing requirements for guaranteeing the reliability of digital information in the conditions of decentralization, multilateral interaction and the impossibility of relying on a single center of trust. In many modern systems, such as: e-government, medicine …

• Cites: Bitcoin: A peer-to-peer electronic cash system. 2008 🔗