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COMPUTER SCIENCE AND MATHEMATICS

RESEARCH TALK

Event-link: A Robust Consensus Protocol for Sidechain Networks in Blockchain-based IoT Systems

SPEAKER

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ABSTRACT

In this research, we propose the use of a vector clock in an innovative knowledge graph deployed on the sidechain nodes. Based on the graph, our reasoning mechanism enables each node to deduce states of events on other nodes. Gathering event state information of other nodes helps create the consensus in the blockchain network efficiently. The proposal thus can be applied to IoT systems that need a high transaction confirmation speed. We also give some other research directions in the talk.

DATE

Monday, 12.06.2023

START

18:00 Uhr

In room K002 and through Zoom

Zoom URL



ORGANIZER

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