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Apatova Natalia Vladimirovna,

Doctor of Economics, Doctor of Pedagogics, Professor,
Department of Business Informatics and Mathematical Modeling,
V.I. Vernadsky Crimean Federal University,
Simferopol.

Korolyov Oleg Leonidovich,

Ph.D. in Economics, associate professor,
Department of Business Informatics and Mathematical Modeling,
V.I. Vernadsky Crimean Federal University,
Simferopol

FINANCIAL SECURITY AND BLOCKCHAIN TECHNOLOGIES

Blockchain is an information technology, which support the using of virtual electronic money, called crypto-currency, and it is a source of financial security problems. The questions of confidence, new forms and mechanisms of exchange in virtual space are researched using bitcoin, which was the first crypto-currency. It is shown that the decentralization of the storage of information on transactions and codes of crypto currency makes it safe for investors, but is abolishing the hierarchy of financial data management, which in the conditions of the state becomes an obstacle to the use of blocking technologies. Crypto currency is currently a profitable investment, it is legalized in a number of countries and large organizations are investing it in new innovative projects Blockchain technologies can be successfully used in other areas, such as payments and insurance, for example, but they are so radical that they threaten the existence of traditional financial institutions, including banks and exchanges. Methods for regulating the using of blockade technologies and preventing related crime are proposed.

Keywords: financial security, virtual space, Internet, crypto-currency, bitcoin, blockchain.

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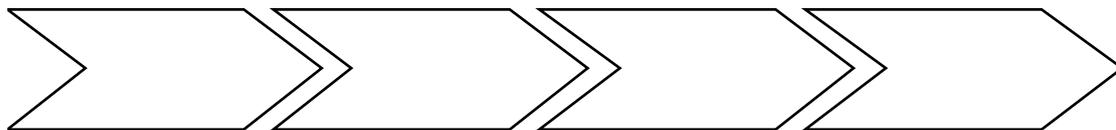
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10. — . . . : // . — 2017. — 10. — . 156–158.
 11. Nakamoto S. Bitcoin: a peer-to-peer electronic cash system / Satoshi Nakamoto []. — : bitcoin.org/bitcoin.pdf (: 09.09.2017).
 12. « »: []. — : rusnewstop.ru/2017/09/09/ubijca-dollar-briks-mozhet-sozdat-novejshuyu-mirovuyu-kriptovalyutu/ (09.09.2017)
 13. ?[]. — : getcoin.today/kto-investiruet-v-bitcoin/ (: 09.09.2017).
 14. VISA []. — : crypto-coins.ru/novosti-kriptoalyut/visa-delaet-krupnuyu-investiciyu-v-bitkoin (: 09.09.2017).
 15. : ICO, []. — : vc.ru/p/ico-faq (: 09.09.2017).

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