Название публикации:
Digital transformation of the knowledge management process

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Аннотация:
Nowadays, huge amount of computer power is used improperly. A case in point is the emergence of cryptocurrencies and so called "mining" operations that consume large amount of resources. To run the cryptocurrency mining algorithms, 17 % of the entire global computer power is currently used. Intellectual data processing for knowledge management process also requires large computational power. Now, at a new stage of digital technologies development, new opportunities arise for a dramatic improvement in data processing and knowledge mining. A possible solution to the knowledge management problem at big corporations is the distributed computational power currently used improperly. The amount of power used at a given point in time will depend on how much power is needed to solve a particular task. The technology of an automatic reserve deployment that is in use at manufacturing industries with respect to materials can also be applied for knowledge management at big corporations using distributed computer power. The authors of the paper propose a solution that combines traditional control principles with the most recent modern technologies.

Ключевые слова:
Bitcoin, Crypto-currency, Data acquisition and processing, Distributed power, Knowledge management