

Proof-of-Stake Consensus Algorithms for the Software Components Blockchain

Vaidas Giedrimas ¹

¹ Vilnius University, Siauliai Academy, Siauliai, Lithuania.
vaidas.giedrimas@sa.vu.lt, <http://www.sa.vu.lt>

ABSTRACT

In the blockchain context, the information system is considered a part of its infrastructure. However, blockchain itself can be used for IS development using software components and services. As the trust for binary components or services is still an open question, we propose to use the blockchain of components to solve this problem. In this paper, the part of such solution, namely consensus algorithms, is discussed. We focus on Proof-of-Stake algorithms and present their feasibility to be used in the blockchain of software components.