

Poster “Privacy and identity management in learning analytics processes with blockchain” in TEEM 2018

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Abstract

The TEEM 2018 Conference was held in Salamanca (Spain) from October 24 to October 26, 2018. The Doctoral Consortium track was organized as a poster session. This is the poster corresponding to the paper “Privacy and identity management in learning analytics processes with blockchain”.

The collection of students’ sensible data raises adverse reactions against Learning Analytics that decreases the confidence in its adoption. The laws and policies that surround the use of educational data are not enough to ensure privacy, security, validity, integrity and reliability of students’ data. This problem has been detected through literature review and can be solved if a technological layer of automated checking rules is added above these policies. The aim of this thesis is to research about an emerging technology such as blockchain to preserve the identity of students and secure their data. In a first stage a systematic literature review will be conducted in order to set the context of the research. Afterwards, and through the scientific method, we will develop a blockchain based solution to automate rules and constraints with the aim to let students the governance of their data and to ensure data privacy and security.

Keywords

Learning analytics, blockchain, data privacy, digital identity, data security management

Link to the poster

<https://goo.gl/76v6NS>

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