

# LD-DL'17 Workshop Keynote Talk By Manu Sporny Building Better Blockchains Via Linked Data

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## ABSTRACT

This presentation explores the current state of Blockchain research as it relates to Linked Data. The topics covered by the presentation include: 1) a basic definition of a blockchain, 2) an analysis of current blockchain capabilities, 3) compelling blockchain use cases where Linked Data would provide compelling benefits, 4) how Linked Data may be used to enhance blockchain capabilities, 5) a list of unresolved research and standardization needs as it relates to the expression of blockchains using Linked Data, and 6) possible venues where future work may be coordinated.

## General Terms

Design, Experimentation, Security, Standardization, Languages, Theory, Verification.

## Keywords

blockchain; semantics; domain modeling; digital signatures; graph normalization; HTTP; JSON-LD

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