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River Publishers Series in Digital Security and Forensics

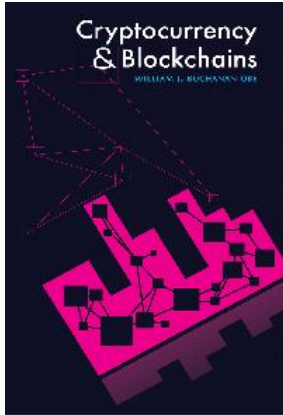# Cryptocurrency and Blockchains

Author: William J. Buchanan, OBE, Edinburgh Napier University, UK
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Description:

Cryptocurrency and Blockchains outlines many of the key developments in building a more trustworthy world. It includes a background within the main methods used within creating data infrastructure which use Blockchain methods, and how these will change existing methods of authentication and identity provision. This will include a discussion of a range of application areas including with health care, law, finance and government services, and how smart contracts can be used to make transactions more trustworthy.

Within the cryptocurrency part, the book outlines the trust infrastructure within the main cryptocurrency methods and around the usage of electronic tokens to transfer credits.

An important element of the book is to look forwards a world where every transaction is made trustworthy, and were privacy requirements are respected.

Keywords: Cryptocurrency, Blockchain, electronic tokens, trustworthy transactions, privacy, authentication and identity provision