

#### Communications of the ACM

# Money in electronic commerce: digital cash, electronic fund transfer, and Ecash

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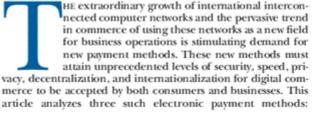
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# Digital Cash, Electronic Fund Transfer, and Ecash

Driven by inherent weaknesses in traditional paper-based payment methods, networked companies and their customers around the world now have at least three pervasive electronic options to move

the numbers between their

online accounts.



- · The generic, widely used electronic fund transfer
- The proposals for a digital cash standard
- The real-world technology called Ecash

These methods are examined in terms of the dynamics of transaction clearance; the effects on money supply and the macroeconomy; their classification in terms of money and cash; and the comparative viewpoints of monetary authorities, financial institutions, and consumers. This article does not go into detail on the myriad encryption systems, protocols, algorithms, and other technical matters concerning the new systems. These are all secondary aspects of electronic payment. Electronic pay-

# References

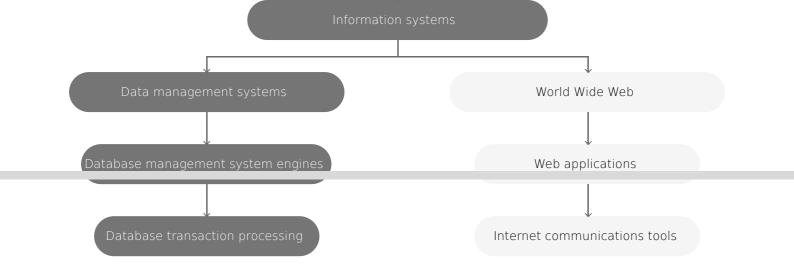
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Section 1
Section 2
Section 2
Section 2
Section 3
Section 4
Section 3
Section 3
Section 3
Section 4
Section 3
Section 3
Section 3
Section 4
Section 3
Section 4
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