

Tutorial 2

"Blockchain and CryptoMoney, towards IP money and Blockchain Computing."

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The bitcoin digital currency was introduced in 2008 in a paper written by an anonymous author Satoshi Nakamoto. In 2017 the bitcoin market is about 10 billion\$. In 2013 Vitalik Buterin, defines a new blockchain system named Ethereum, which provides the Ether digital currency, also introduces Smart Contract, i.e. a decentralized application platform executing programs based on a Turing complete machine. In 2017 the Ether market value is about one billion\$. This tutorial presents the basic concepts of bitcoin and ethereum blockchain system, and also discuss about emerging crypto moneys.

Bio

Marc PASQUET is full professor at ENSICAEN, France. He obtained his Master degree from ENSAM (Ecole Nationale Supérieure des Arts et Métiers) in 1977. He worked for 13 years for different companies belonging to the signal transmission field and 15 years for the banking sector in the field of electronic payment. He joined ENSICAEN (National Engineer School of Caen in France) in 2006 where he is now leading research in the field of secure electronic payment architecture

Pascal Urien is full professor at Telecom ParisTech, and coFounder of the EtherTrust Company. His main research interests include security and secure elements, especially for networks and distributed computing architectures. He wrote about one hundred papers dealing with these topics and holds fifteen patents.