



Budapest RMB
Initiative



CORVINUS
FINTECH
CENTER

FinTech Actualities: Lessons Learnt from China and Beyond

Trinh Anh Tuan, Head of Corvinus FinTech Center

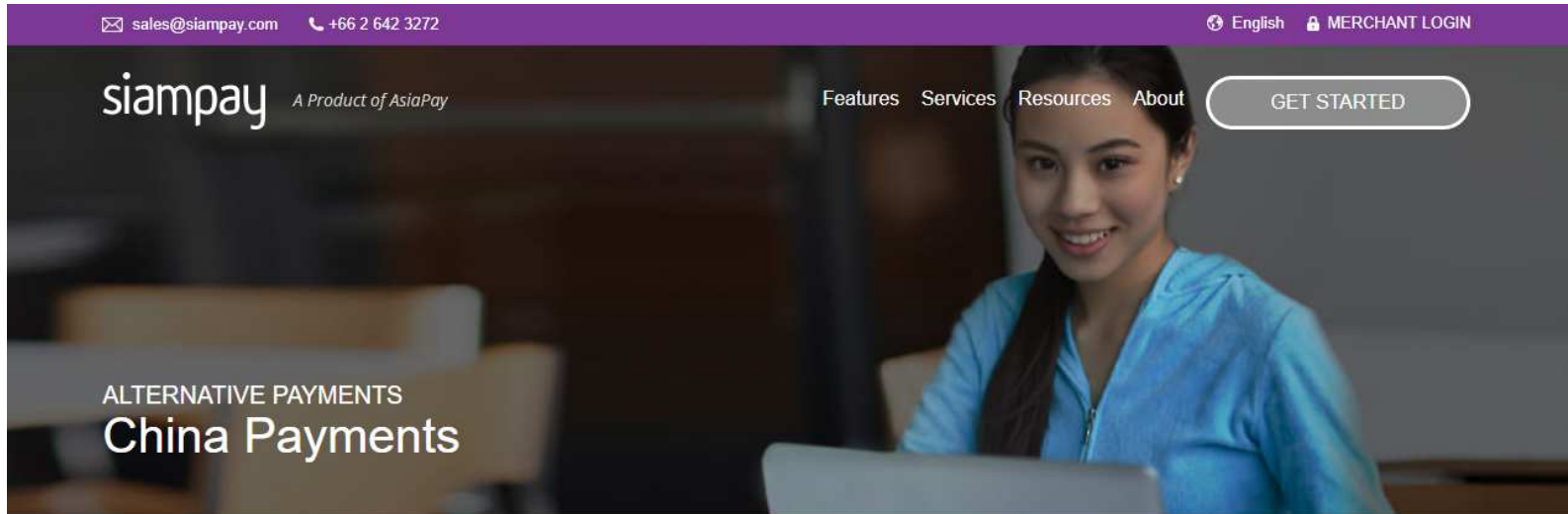
Budapest Renminbi Initiative Conference 2019

Innovative
Payment
Services

ALIPAY

UNION PAY

WECHAT PAY



Connect your business to Asia's largest eCommerce market.

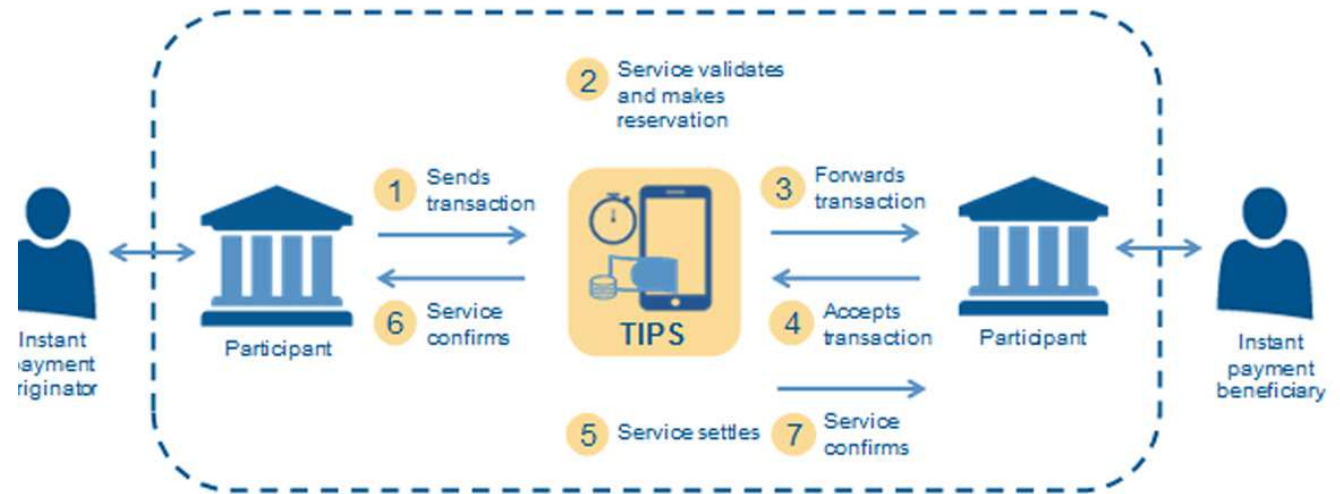
China is the leading eCommerce market in Asia with over 600 million active online shoppers. Unfortunately, most international retailers are not properly equipped with the right tools to receive online payments from Chinese consumers. With SiamPay's china payment service, your business can facilitate acceptance of UnionPay, AliPay, and WeChat Pay which are the dominant payment methods in mainland China.





Instant payment solutions

An European perspective



A Cambridge study on Informal Finance in China

The screenshot shows the top navigation bar of the University of Cambridge website. The navigation bar is black with white text. On the left is the University of Cambridge logo and name. To the right are three menu items: 'Study at Cambridge', 'About the University', and 'Research at Cambridge'. Below the navigation bar is a yellow banner. On the left of the banner is the University of Cambridge logo and the text 'UNIVERSITY OF CAMBRIDGE Judge Business School'. To the right is a white search bar with a magnifying glass icon. Below the banner is a dark grey navigation bar with white text. The navigation bar contains the following items: 'Home', 'About us' (with a dropdown arrow), 'People' (with a dropdown arrow), 'Research', 'Datasets', 'Publications' (with a dropdown arrow), 'News & multimedia' (with a dropdown arrow), 'Events' (with a dropdown arrow), 'Blog', and 'Contact us'. Below the navigation bar is a large yellow banner with the title 'Informal Finance in China: Risks, Potential and Transformation' in a large, black, serif font. On the left side of this banner is a white box with the text 'Research' and an upward-pointing arrow.

UNIVERSITY OF CAMBRIDGE

Study at Cambridge | About the University | Research at Cambridge

Home / Centre for Business Research / Research / Research projects / Informal Finance in China: Risks, Potential and Transformation

UNIVERSITY OF CAMBRIDGE
Judge Business School

Home | About us | People | Research | Datasets | Publications | News & multimedia | Events | Blog | Contact us

Research

Informal Finance in China: Risks, Potential and Transformation



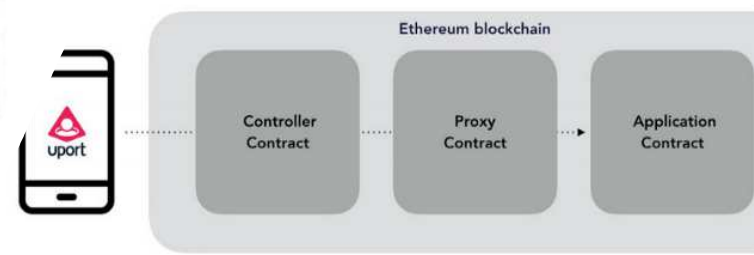
eID@Zug, Switzerland

1. Citizen downloads uPort app
2. Creates uPort ID (20xs14N...)
3. Self registers @ www.stadtzug.ch (2min) with name, ID Nr., DoB

4. Request cryptographically signed with private key (20xs14N...) and sent to City



5. In person verification of user (20xs1/)

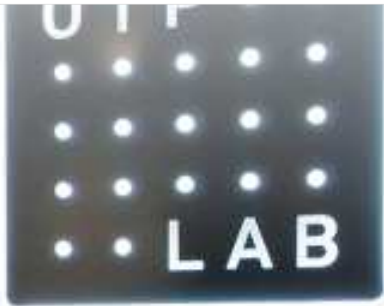




Homomorphic Encryption



How about Hungary?



Digital
ACCELERATOR



START IT
K&H

ARKL

by NN

FINTECH startup-
supporting LABs



MKB
Fintechlab

A few FINTECH startup examples



[AdviceRobo](#)



[Alo Agri](#)



[Family Finances](#)



[FintechBlocks](#)



[Keystroke DNA](#)



[Prais](#)



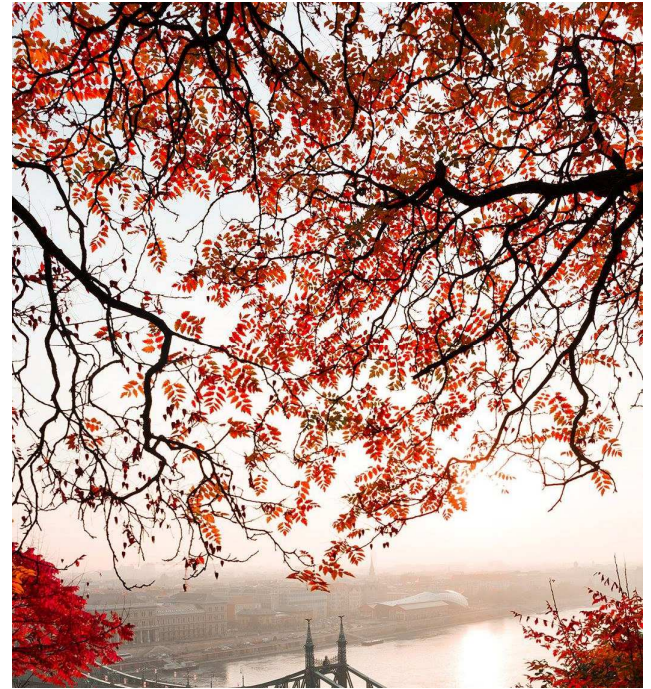
[Scanye](#)



[Trackometrix](#)



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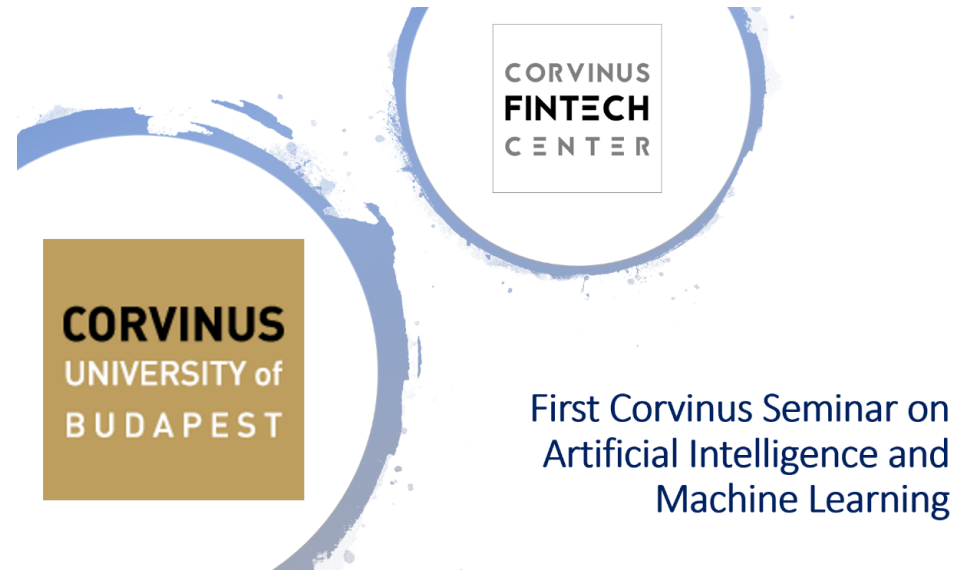


How about Corvinus Fintech Center?

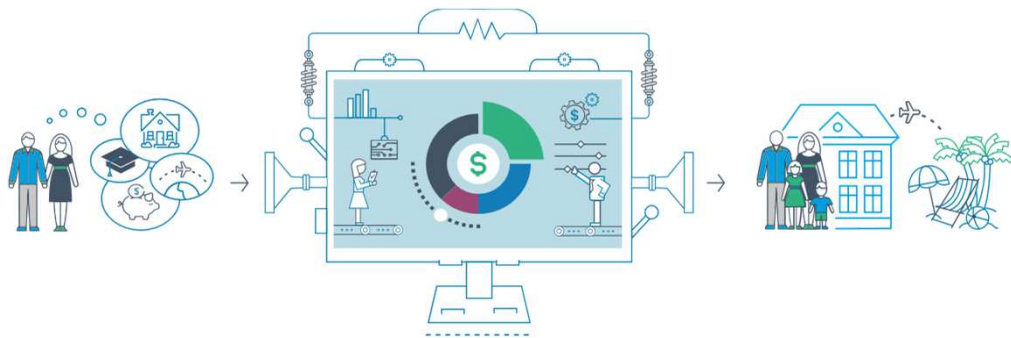
Corvinus Fintech Center@European Center for Alternative Finance

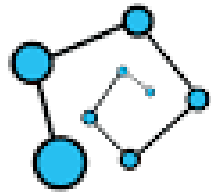


Applications of AI in Finance



Applications of AI in Finance@Corvinus Fintech Center





BLOCKCHAIN
COMPETENCE CENTER









CORVINUS
FINTECH
CENTER

„Digital
wallet”
project

Blockchain vs Quantum Computing



BREAKABLE		
 <p>RSA encryption</p> <p>A message is encrypted using the intended recipient's public key, which the recipient then decrypts with a private key. The difficulty of computing the private key from the public key is connected to the hardness of prime factorization.</p>	 <p>Diffie-Hellman key exchange</p> <p>Two parties jointly establish a shared secret key over an insecure channel that they can then use for encrypted communication. The security of the secret key relies on the hardness of the discrete logarithm problem.</p>	 <p>Elliptic curve cryptography</p> <p>Mathematical properties of elliptic curves are used to generate public and private keys. The difficulty of recovering the private key from the public key is related to the hardness of the elliptic-curve discrete logarithm problem.</p>
QUANTUM-SECURE		
 <p>Lattice-based cryptography</p>	 <p>Code-based cryptography</p>	 <p>Multivariate cryptography</p>

WORLD
ECONOMIC
FORUM

COMMITTED TO

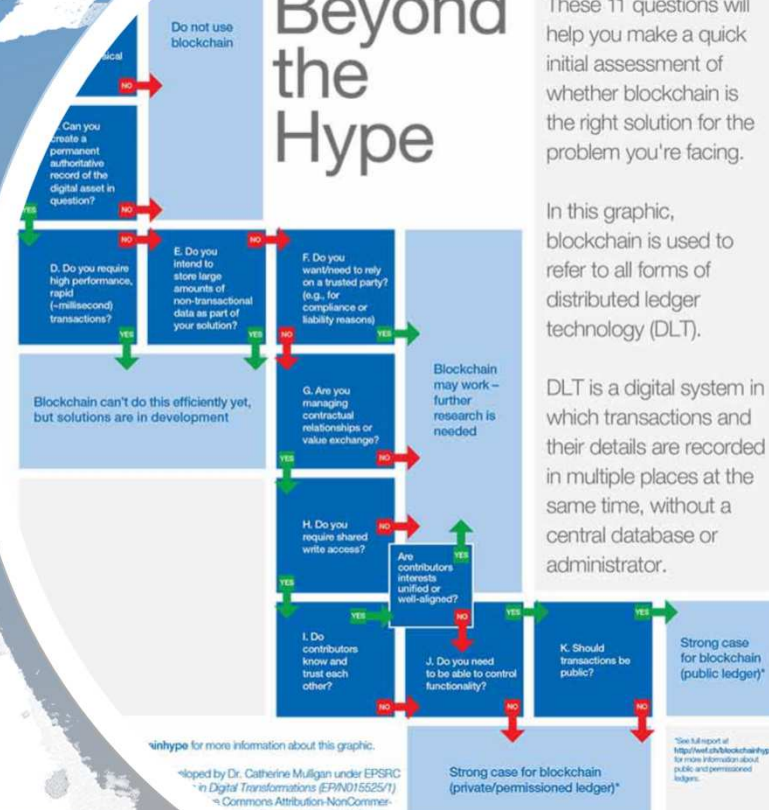
When not to use
blockchain?

Blockchain Beyond the Hype

These 11 questions will help you make a quick initial assessment of whether blockchain is the right solution for the problem you're facing.

In this graphic, blockchain is used to refer to all forms of distributed ledger technology (DLT).

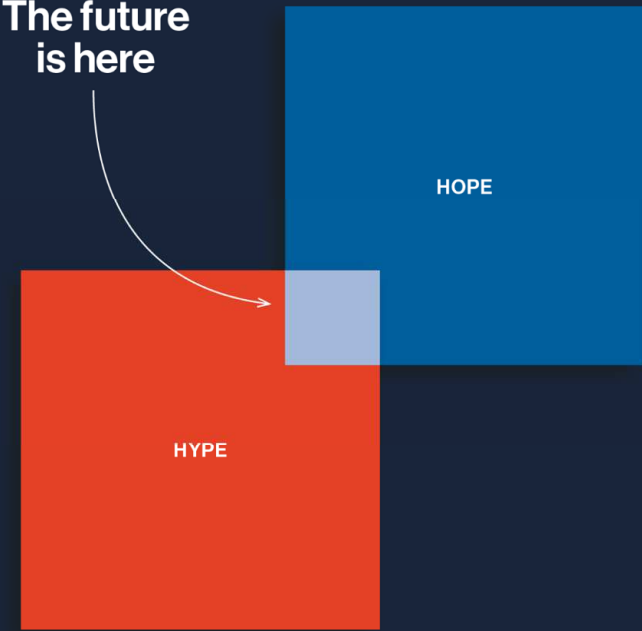
DLT is a digital system in which transactions and their details are recorded in multiple places at the same time, without a central database or administrator.



For more information about this graphic, visit <https://www.weforum.org/publications/blockchain-hype>.
Developed by Dr. Catherine Mulligan under EPSRC grant EP/R015525/1 in Digital Transformations (EP/R015525/1) under a Creative Commons Attribution-NonCommercial-ShareAlike license.

Blockchain

The future
is here





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Spirits of Innovation