

# The Future of Bitcoin Conference 2017



Arnhem,  
The Netherlands

June 30 - July 1, 2017

Where researchers, developers and representatives from the development community will share knowledge, research and showcase multiple implementations, providing unique views for The Future of Bitcoin.

## Conference Speakers & Presentations:



Rob Mitchell - MC



Jihan Wu



Nikita Zhavoronkov



Dr. Nicola Dimitri



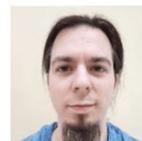
Marek Kotewicz



Dr. Peter Rizun



Ryan X. Charles



Amaury Sechet



Jameson Lopp



Antony Zegers



Tomas van der  
Wansem



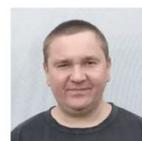
John Swingle



Dagur Valberg  
Johannsson



Juan Garavaglia



Piotr Narewski



Andrew Stone

**Jihan Wu** will deliver the **Keynote** presentation titled **“Why Bitcoin needs Multiple Implementations”**.

In 2009, prior to discovering Bitcoin, Jihan worked as a private equity fund manager and a financial analyst. He founded the Chinese news portal [8btc.com](http://8btc.com), was one of the first Bitcoin enthusiasts in China and was the first to translate the Satoshi whitepaper into Chinese. Jihan co-founded Bitmain in 2013.

**“Monetizing Content with Trustless Off-Chain Micropayments”**. Ex-astrophysicist **Ryan X. Charles** has worked for influential companies in the space, including BitPay, reddit, and BitGo and will describe the technology behind “Yours”. The technology is based on payment channels and, unlike lightning network, it is not dependent on SegWit and works on bitcoin today.

**Juan Garavaglia** will present **“The Bitprim Project”** a new implementation of Bitcoin protocol, 100% compatible with Satoshi Client (bitcoind). Based on Libbitcoin, Bitprim is built with a modular architecture with a messaging platform to let modules be 100% independent. Based in Argentina, Bitprim has a team of 7 devs working full time working on the open source implementation. Early adopter in Bitcoin Juan has been involved in various Bitcoin mining operation. His technical background has assisted some of the largest mining operations in USA/Canada rapidly deploy and expand their existing operations.

**Tomas van der Wansem** is an expert developer and mathematician, specialized in high performance data processing solutions In **“Using the spend tree in Bitcrust for Fraud Proofs”** he will explain how Bitcrust - competitive node software in Rust - uses the spend tree function as a way to fully parallelize verification, and how it can aid in Fraud Proofs. He will cover some of the differences in resource usage and performance between Bitcoin Core and Bitcrust, explain the problem of Fraud Proofs, and briefly touch on how the spend tree can be used to make Fraud Proof SPV nodes.

**Bitgo’s** software engineering team lead **Jameson Lopp** will discuss “coopetition” - the idea that participants in the Bitcoin ecosystem are competing and cooperating - in his presentation **“The Benefits of Coopetition in Adversarial Environments”**. Jameson is the creator of Statoshi, a fork of Bitcoin Core that analyzes statistics of Bitcoin nodes, founder of Mensa’s Bitcoin Special Interest Group, and founder of the Triangle Bitcoin & Business meetup.

In **“The Parity Bitcoin client”** **Marek Kotewicz** will give a brief look into the parity-bitcoin implementation and how rust was levered in the project. He will also cover step by step the process of writing a full bitcoin node, what resources were used and what their impact was on the implementation. Also he will go through pbtc architecture and compare it with other bitcoin implementations Marek got introduced to Bitcoin in 2013. In 2014-2015 he was core developer working on Ethereum software collection.

In **“SegWit Coins are not Bitcoins”** Vancouver based physicist and entrepreneur **Dr. Peter Rizun** will present the case that coins resulting from SegWit transactions have different properties from current bitcoins, and thus should be considered as a separate coin. Peter Rizun is co-founder and co-managing editor for Ledger. His main research interest is developing analytical theory that explains properties and emergent phenomenon of the Bitcoin Network.

In **“Bitcoin as an Enabler of Mass Global Cooperation”** **Antony Zegers** provides an argument that the best way for Bitcoin to facilitate cooperation, and minimize coercion, is to embrace a system where investors guide the rules of the system, with the goal of maximizing Bitcoin’s price. Antony worked for Defence Research and Development Canada for twelve years doing Operational Research and Analysis. During that time, he studied theories of complex systems and Austrian School economics. He holds a Bachelor degree and an M.A.Sc in Electrical Engineering.

**Piotr Narewski** from Poland and has a masters degree in Computer Engineering from the University of Zielona Góra. He worked in the Netherlands on programming secure devices, like smart cards for a company providing content protection systems for digital television when he discovered Bitcoin in 2011 and has been full time involved since 2013 when he released **Gocoin - A Bitcoin implementation in Go(lang)**. In Arnhem he will explain why Gocoin has a certain architecture, how is it different from the bitcoin core approach. He will provide a demonstration of its operation and a walk through of some of its features.

Using charts and data Blockchair.com CEO and NRNU MEPhI Moscow lecturer and researcher **Nikita Zhavoronkov** will make the case for **“why - Bitcoin needs a scaling solution”** highlighting pressure on different use cases for Bitcoin, and showing which uses may have already migrated to alternative systems.

Originally from Iceland, **Dagur Valberg Johannsson** holds a MSc from Norwegian University of Science and Technology. He started in Bitcoin development in 2015 at the time when Bitcoin XT implemented BIP101. He will present on Jeff Garzik’s **“BIP100”** scaling proposal, how it has evolved and now implemented in Bitcoin XT and how it relates to other implementations and scaling solutions.

Investor in Bitcoin since early 2012, Bitcoin Unlimited lead developer **Andrew Stone** will present on extension block technology that can be deployed without miner permission in a "federated" mode and then transition to bitcoin's soft fork security model and then to a bitcoin's security model today via a hard fork without a new software release. The title of his presentation is **“FSH blocks: A method to trial and deploy features into the Bitcoin blockchain.”**

**Dr. Dimitri Nicola** will present a simple game theoretic framework with complete information to model the bitcoin mining activity in his presentation titled **“The Bitcoin Mining Game”**. Professor Nicola Dimitri holds the Corvers-Endowed Chair in Innovation Procurement at the Maastricht School of Management. Nicola is also a professor in economics at Siena University, a Life Member of Clare Hall College (Cambridge-UK) and lecturer at IMT Lucca. He was formerly Deputy Rector of the University of Siena and has been Fulbright Student, Chevening Scholar and Fernand Braudel Fellow (EUI).

In this presentation **“Smart Contracts vs. Dumb Money”**, **John Swingle** will make the case that that sound money is crypto-currency’s “killer use case”, and that smart contracts are largely overhyped and as such, advanced smart contract functionality does not belong in a crypto-currency’s base layer. **John** is an attorney who focuses his practice on patent law, as well as other areas of intellectual property law.

Based on the principle that Bitcoin is secured by both using computing resources and by economic incentives, former software engineer at Facebook, LLVM committer and the main developer of the D compiler SDC **Amaury Sechet** will seek to shed light on the behaviour of various actors in the space in his presentation titled **“Back to Basics.”**

These developers, researchers and visionaries presenting, are an important part of Bitcoin’s future. From Russia, Poland, France, Italy, Norway, The Netherlands, China, Canada, USA and Argentina, presenters at **The Future of Bitcoin Conference 2017** represent the global nature of Bitcoin. Individuals and teams will be showcasing the work they have been doing to offer diversity and free choice to businesses and individuals using the network.

**Master of Ceremonies** during this two day conference will be **Rob Mitchell**. On “The Bitcoin Game” podcast host Rob has interviewed many well known Bitcoin personalities. He is also known for the iconic Bitcoin keychain he designed which has been used frequently in media to visually represent Bitcoin. In 2015 Rob was Master of Ceremonies at 2015 State Of Digital Money, and is excited to be moderating the Scaling Bitcoin panel at the 2017 State Of Digital Money.

*Join us for 2 days of presentations, panels, discussions, meals and social events in the **Bitcoin friendly city of Arnhem**, the Netherlands.*

Visit the website: [www.thefutureofbitcoin.com](http://www.thefutureofbitcoin.com) for more information and tickets.  
**Admission tickets \$250.00 - payable with Bitcoin.**

**The Future of Bitcoin  
Conference 2017**

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[info@thefutureofbitcoin.com](mailto:info@thefutureofbitcoin.com)