

## BUIP154: Re-elect Peter R for BU Secretary

Submitted 31 August 2020

by Peter\_R

*I hereby announce my running for another term as BU Secretary.*

### Biographical Information:

I am from Vancouver, Canada, and a father of a 14-month old boy. I hold a PhD in physics and an undergraduate degree in engineering.

### Highlights of Achievements in the Bitcoin Space

#### Selected Articles:

"A Transaction Fee Market Exists Without a Block Size Limit," Presented at Scaling Bitcoin Montreal 2015 (<https://www.bitcoinunlimited.info/resources/feemarket.pdf>)

"Subchains: A Technique to Scale Bitcoin and Improve the User Experience", Ledger Journal 2016 ([https://www.researchgate.net/publication/311864889\\_Subchains\\_A\\_Technique\\_to\\_Scale\\_Bitcoin\\_and\\_Improve\\_the\\_User\\_Experience](https://www.researchgate.net/publication/311864889_Subchains_A_Technique_to_Scale_Bitcoin_and_Improve_the_User_Experience))

"Selfish Mining Re-examined, Published in Financial Cryptography 2020 (<https://fc20.ifca.ai/preproceedings/4.pdf>)

"Visualizing HTLCs and the Lightning Network's Dirty Little Secret 2019

"Towards Massive On-chain Scaling: Presenting Our Block Propagation Results With Xthin 2016"

"The Best Of Intentions: The Dev Tax Is Intended to Benefit Investors But Will Corrupt Us Instead" 2020 (<https://read.cash/@PeterRizun/the-best-of-intentions-the-dev-tax-is-intended-to-benefit-investors-but-will-corrupt-us-instead-012f5dbd>)

#### Selected Podcasts:

"Lightning Critique: FUD or Fair?" The What Bitcoin Did Podcast 2019

#### Selected Technical Talks:

A Transaction Fee Market Exists Without a Block Size Limit (Scaling Bitcoin Montreal),

Empirical Double-Spend Probabilities, Instant Transaction Workshop Gargnano 2018

"A Segwit Coin is Not a Bitcoin", The Future of Bitcoin Conference, Arnhem 2017

(<https://www.youtube.com/watch?v=VoFb3mcxluY>)

"Measuring Maximum Sustained Throughput on a Global Network of Bitcoin Nodes", Scaling

Bitcoin Stanford 2017 ([https://www.youtube.com/watch?v=5SJm2ep3X\\_M](https://www.youtube.com/watch?v=5SJm2ep3X_M))

#### Selected Hardware Development:

Sigsafe: a NFC Key Tag for Signing Bitcoin Transactions, 2014, <https://bitcointalk.org/index.php?topic=610453.0>

Cashdrive (FPGA-based UTXO database),  
2020, <https://twitter.com/PeterRizun/status/1247554984968777729>

### Selected Community Building

- Founded the world's first academic journal for blockchain research, Ledger, with Chris Wilmer and Richard Ford Burley. Ledger has been published by the University of Pittsburgh since 2015. In August 2020 we were notified by Elsevier that Ledger would be included in the SCOPUS abstract and citation database. This is a significant milestone for an academic journal.

- Together with Solex, organized the first "Satoshi's Vision" conference in San Francisco in 2016 ([https://medium.com/@peter\\_r/satoshis-vision-bitcoin-development-scaling-conference-dfb56e17c2d9](https://medium.com/@peter_r/satoshis-vision-bitcoin-development-scaling-conference-dfb56e17c2d9))

- Together with Sickpig, organized the "Instant Transactions Workshop" in Gargnano, Italy in 2018 (<https://www.satoshisvisionconference.com>)

### Vision for Bitcoin Unlimited

With the benefit of four years of history to look back upon, I believe that BU makes its biggest impact by organizing technical conferences and workshops. Examples of this are the 3 "Satoshi's Vision" events (San Francisco, Tokyo, and Gargnano) and the "Future of Bitcoin" event in Arnhem. It is at these events that new relationships are built, existing relationships strengthened, and the harshness of the on-line reddit/twitter world is softened. These events also serve as "milestone points," motivating people to work hard to get something wrapped up (e.g., so they can present a good talk to their peers), and so these events drive research and development indirectly too. These conferences bring together developers and other interested people and lead to new ideas and projects that wouldn't have happened had the face-to-face dynamic been absent. By recording the talks and discussion, we also build media assets that can be viewed by a much larger global audience. COVID-19 makes this difficult at the moment, but as soon as people can travel again for conferences, I'd like to see BU return to organizing one to two events per year.