

Matthias Tarasiewicz

Writer, technology theorist & designer for speculative futures. Project developer and enthusiast for immutable and unstoppable code. Researcher in future cryptoeconomics, privacy, open hardware and decentralisation. Technology and open source veteran.



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Basic information

Current activities and interests

- Area lead of ABC ([Austrian Blockchain Center](#)) - “Area 4: Data Science Methods for Blockchain Analytics & Predictions).
- Director of the [RIAT Institute](#) (NGO working with future cryptoeconomics, privacy technologies and open hardware).
- Secretary of OSHWA, [Open Source Hardware Association](#), Colorado (USA).
- Founder of [Future Cryptoeconomics](#), a quarterly magazine about the future of decentralisation.
- Coordinator for [decentral.community](#) at Chaos Communication Congress (for the Chaos Computer Club Germany), a yearly gathering for Open Hardware and “critical decentralisation” (since 2013).

Online references and social media

- Keybase: <https://keybase.io/parasew>
- LinkedIn: <https://www.linkedin.com/in/parasew/>
- Medium.com: <https://medium.com/@parasew>
- Institute website: <http://riat.ac.at>
- Google scholar: <https://scholar.google.com/citations?user=atqBwEkAAAAJ>
- Academia.edu: <http://riat.academia.edu/MatthiasTarasiewicz>

Short bio

- Born 1979 in Vienna, Austria.
- Tech writer for Commodore Amiga magazines (1986-1991)
- Open source developer and coder since 1987
- Study of computer science and new media design.
- Veteran in open source hardware and software.
- Project developer since 2001.
- Creator of the first bitcoin-related artpiece (Bitcoincloud) in 2011.

Skills overview

- Public speaking, Negotiations, Decision making
- Research and strategy development, project development and research design
- Technology auditing, code reviewing, security research
- Technology writing and project management

Achievements

- FWF PEEK project lead “Artistic Technology Reseach”
- EU Horizon2020 project lead “AXIOM - Open Source Hardware Cinema Camera”
- Head of research in a pioneering research institution (RIAT)

Software skills

- Architecture and engineering: CAD systems (AutoCAD, FreeCAD, OpenSCAD, KiCad)
- Design, imaging and other visual software (Adobe, Vector-based, etc.)

Technical skills

Operating Systems

- Linux (Kernel development-grade)
- OpenBSD, FreeBSD (advanced)
- **Mac OSX 10.6 contributor** (Ruby 1.8.6 Fat Binary patch)
- Andriod, iOS (Security Auditor for various application providers)

Software development

- Microservices, Service oriented architecture
- Scrum and agile projects and development
- Extreme programming
- Test driven development (TDD)
- Behaviour driven development (BDD)

Technologies and frameworks

- Apache, Nginx,
- MVC and similar: Ruby on Rails, Sinatra, Django, Yesod, Rocket
- HTML/CSS, NodeJS, various protocols (HTTP/2, WebSockets, yada yada)

Programming languages

- Expert skills
 - Ruby, Rust, Haskell, Golang
- Solid
 - Perl, Javascript, Typescript
- Strong project experience
 - C, C++
- Since childhood
 - Assembler (i386), Pascal, Basic

Databases

- SQL: MySQL, Maria, PostgreSQL, sqlite
- NoSQL: Mongodb, Redis, Riak, Rethink

Continious integration (CI)

- Git, Docker, Kubernetes, Jenkins, Chef

Previous employments and projects (selection)

Currently

- Head of research at the RIAT Institute (Vienna)
- Lab lead of “Zero Knowledge Systems” (Cyprus)

since 2017

- entrepreneur, and working self-employed as technical advisor, research designer and research coordinator.

2016

- Guest Professor for Media Design & Blockchain Education at Shanghai Jianqiao University, Department for Art Design, Shanghai, China.

2015

- Project Coordinator for Apertus Axiom - Open Source Hardware Cinema Camera (Horizon 2020).

2014

- Project lead of the FWF-funded science communication programme (WKP 31) “Making Artistic Technology: Learning through Participatory Culture and Open Knowledge”.

2013

- Editor of the FWF-funded Open Access Journal (OAJ-55) “JRC - Research Cultures: Epistemic Practices in Arts & Technology”.

2012 - 2016

- Research development, application, lead research & management (University of Applied Arts, Vienna, Post-Doc).

2011

- Project lead PEEK “Artistic Technology Research” (Researching critical new media arts & artistic technology) (AR-151).

2006 - 2011

- CEO of the company MUTTI (big data research and consulting company).

Publications and writings

Edited books

- [Future Cryptoeconomics Issue #1](#), ISSN 2617-6289, Oct.2018
- Felderer, Doringer and Tarasiewicz (Eds.) [FACELESS: Re-inventing Privacy Through Subversive Media Strategies](#), DeGruyter, Edition Angewandte, 2017
- Wagner, Newman, Tarasiewicz & Wuschitz (Eds.) [Openism: Conversations on Open Hardware](#), Edition Angewandte, 2016
- Tarasiewicz, Russegger, Wlodkowski (Eds.) [Coded Cultures - New Creative Practices out of Diversity](#), Edition Angewandte, Springer Wien New York (Co-Editor and Author, 2011)
- [Coded Cultures - City as Interface](#), Super.net Press, 2011
- [Coded Cultures - Exploring Creative Emergences](#), Super.net Press, 2009

Papers (selection)

- Tarasiewicz, Matthias, 2017. *Forking as cultural practice: Institutional governance after the DAO*. Proceedings of the 23rd International Symposium on Electronic Art ISEA2017 Manizales, Colombia.
- Tarasiewicz, Matthias: [Artistic Technology: Coded Cultures. "Making" and Artistic Research](#). Proceedings of the 22nd International Symposium on Electronic Art ISEA2016 Hong Kong.
- Tarasiewicz, Matthias and Newman, Andrew, 2015. [Cryptocurrencies as Distributed Community Experiments](#), in: [David Lee Kuo Chuen, Handbook of Digital Currency](#), Academic Press (3. Juli 2015)
- Tarasiewicz, Matthias and Newman, Andrew, 2014. [Experiments in Art and Value: Burning Bitcoin to buy Ai Weiwei](#), in: Proceedings of the International Symposium for Electronic Arts, Vancouver, 2015.
- Tarasiewicz, Matthias and Newman, Andrew, 2013. [Experimental Cultures and Epistemic Spaces in Artistic Research](#), in Cleland, K., Fisher, L. & Harley, R. (2013) Proceedings of the 19th International Symposium on Electronic Art, ISEA2013, Sydney.
- Tarasiewicz, Matthias, 2013. *Artistic Technology Research*, in Wilson, M., Van Ruiten, S., [SHARE Handbook for Artistic Research Education](#), ISBN 978-90-810357-0-5

Creative practice (selection)

Exhibitions and design works

- Design and implementation of the "[RIAT Crypto Lab](#)" at 33C3 (Chaos Communication Congress Hamburg), 2016
- [Unmaking: 5 Anxieties](#) (design concept, text and overall concept), Institute of Experimental Design and Media Cultures / Critical Media Lab, IXDM Basel, 2016)
- Apertus Axiom - "Open Source Cinema Lab" co-production of with Apertus Association in quartier21, Vienna, Austria (Sep. 2014)
- Societe Realiste: "Too Much Money...", Exhibition in MuseumsQuartier Vienna, Artistic Bokeh (Feb. 2014)
- "Bitcoincloud" at the "Autonomies" exhibition, Museum of Contemporary Art Vojvodina, Serbia (Nov. 2013)
- Tarasiewicz: "The Culture of Surveillance and the Poetics of Observation Technologies". Part of "Faceless", MuseumsQuartier Vienna (Jul. 2013)
- Exhibition of "Bitcoincloud" at Künstlerhaus (K-Haus) Vienna, part of "Kunst und Kapital" (Art and Capital) (Dec. 2011)
- Cooperation and web-concept for Christoph Schlingensiefel "[The Church of Fear](#)" (la biennale di Venezia, 2003)

Curating

- Open Hardware Europe Summit: Open Source Hardware Conference in MAK (Museum of Applied Arts, Vienna)
- Coded Cultures 2016: curatorial programme with 76 international artists and researchers. (Am Hof 3, 1010 Vienna)
- KATSU (US): "Status Update" (extended installation) in MuseumsQuartier Vienna, part of the "Faceless Exhibition" (Sept. 2013)
- Exhibition "[Artistic Technology Research](#)", part of "[Out of the Box: 10 questions on artistic research](#)" at MAK - Museum for Applied Arts, Vienna. Artists: Addie Wagenknecht (US), Paolo Cirio (IT/US), Bogomir Doring (SRB), KATSU (US), Fran Ilich (MX). Works from Tarasiewicz: "Bitcoincloud", "IKEA Liberation", "Process Artefacts pt.1". (Nov. 2013)
- *Mapping Artistic Technology*, Vienna Art Week, Vienna (Sept. 2012)
- Curator & organiser: Coded Cultures 2011: The City As Interface (festival), Vienna, 2011
- Curatorial partner with ISEA 2010 "Coded Cultures - Exchange Emergences", ISEA Ruhr 2010 (Andreas Broeckmann)
- Curating of "Coded Cultures - Japan", Tokyo/Yokohama 2009

Conference talks and participation (selection)

2019

- Monero Konferenco (Denver, Colorado), talk “Critical Decentralisation, Open & Libre Hardware for and with Monero” 2019/06/29
- ANON blockchain summit: experiences from distributed research and innovation in decentral communities 2019/04/02
- Vienna Blockchain Week, panel: “Distributed data and data ownership” 2019/04/01
- AllLab, Vienna: “Archives, Artefacts and Data Marketplaces of Post-Factual Data: Future Cryptoeconomics as Data Loan” 2019/03/01
- Meetups: Monero Meetup Austria, Bitcoin Austria Meetup, etc. (see [full list](#))

2018

- [Critical Decentralisation Cluster at 35C3/Leipzig](#) (Chaos Communication Congress)
- TrustSquare Zurich: A presentation of the works of RIAT 2018/11/27
- RIAT & Future Cryptoeconomics at Ethereum Devcon 4 2018/10/30
- HCPP 2018: “[New order or next order? Strategies of facelessness in the age of privacy vs. transparency](#)” 2018/10/07
- Forkshop: “[Fork-Politics in Post-Consensus Cryptoeconomics](#)”, Transmediale Berlin 2018/02/02

2017

- [Monero Open Hardware Wallet. Traceability](#) (2017/12)
- Design Culture Salon: “How does design create alternative economies in contemporary culture?” University of Applied Arts, Department of Design History and Theory. 2017/01/26

2016

- Workshop panel at MoneyLab Amsterdam: *The Politics of the Cyphersphere* (Fiber, Brett Scott, Richard Kohl, Matthias Tarasiewicz, RIAT). 2016/12/01
- *EXPERT MEETING: ARTISTIC USE OF BLOCKCHAIN TECHNOLOGIES*; FIBER, V2_ and de Brakke Grond (Vinay Gupta, Michel Bauwens, Matthias Tarasiewicz), Amsterdam, Netherlands 2016/02/25

2015

- “Mobile Laboratory for the New Aesthetic of Digital Exchanges”, HIAP (Helsinki), Finland 2015/10/29
- Open Hardware Summit, presentation of AXIOM Horizon2020 project, Philadelphia, USA. 2015/09/19
- ELIA (European League of Artschools) and Art Basel: *Economies of Aesthetics*, Lecture and Keynote (Basel), Switzerland. 2015/06/18