

***Community Note: Please feel free to update this doc as required for upcoming topics, suggested speakers, or specific information regarding your project. This can be a living resource for collaboration between communities until a better option is found!*

TCR Community Call

Purpose: To bring together TCR researchers/builders from varying projects to troubleshoot TCR issues, share lessons learned, and contribute to the growth of a vibrant ecosystem of cryptoeconomic primitives. Join the telegram to discuss the monthly agenda, also noted below.

Telegram: <https://t.me/joinchat/F5VTnFQK99qzmQHcsGI5Qw>

Reddit: <https://www.reddit.com/r/tokcurreg>

Youtube: <https://www.youtube.com/channel/UCAtp5B8vaBj1oRkdQj4GycA>

Monthly Call: Last Thursday of every month, 1:30 pm EST

<https://zoom.us/j/634666756>

Get an invite to the calendar event by filling out this form:

<https://docs.google.com/forms/d/e/1FAIpQLScEkaE3MLvYdi-LVuqGrF5YTGBVW6KgyHSM2KeXhIPMQkU0Ww/viewform>

Upcoming Topics & Speakers:

1. Jan 24th: Different voting options: anonymous voting / conviction voting vs. PLCR voting
2. Universal Login. Alex Van de Sande gave a great talk at devcon on abstracting blockchain interactions away from the UX with meta-transactions. An important topic is onboarding nontechnical users (AdChain and CIVIL come to mind). Would be interesting to take a look at what kind of business models/features/token distributions are needed to accommodate meta transactions. Could get a guest speaker on this.
3. Improving TCR gaming and incentives. i.e. doges-on-trial/kleros selects random selection of token holders to be “jurors” therefore voters can win a larger share of tokens for voter participation. Block research is thinking about how to make list curation a more fluid experience for users than the current PLCR implementation. Consensus is thinking about scheduled voting. Get a guest or structure discussion around this.
4. Experimentation. How, as a community can we help foster and share results for experimental TCR games (like doges-on-trial!)
5. Would the community benefit from a threaded forum like <https://daotalk.org/c/research?>

Curation Markets Community

Gitter: <https://gitter.im/Curation-Markets/Lobby>

Monthly Call Link: <https://linumlabs.zoom.us/j/799990444>

First Wednesday of every month at 7pm CET

Sign up link: <https://goo.gl/forms/jXxoH7NHuEfLUmVc2>

Our Purpose *"why do we care about curation markets? What do they hope to accomplish? At their core, they enable coordinated collaboration. What I mean by that is the ability to earn value from what we co-create by utilizing the collective knowledge and resources of the commons effectively.*

Subsets of curation markets include TCRs and curved bonding. And their uses can range from meme spotting to funding cutting-edge pharmaceutical research – which Paul is working on with Molecule.

Curation markets were presented as an early concept in 2016 but really started gaining traction in 2017 among researchers, token engineers, and developers. The Curation Markets Gitter, started by Simon, has become an open-source online platform for us to connect and to discuss ideas. And, we have set up this call to take that a step further and build up the curation markets community!

The goal here is to enable faster growth of new and emerging concepts through collaboration. This is a community-initiated effort aimed at bringing together the broader global group of curation market enthusiasts in-person and in an independent setting.

This workshop is intended for discussions (constructive discussions) around curation markets in an approachable setting. Each call will include presentations by experts in the field to foster a roundtable discussion that pushes forward positive developments within the technology. Content might range from projects that use curation markets to the design mechanisms themselves – to anything that you would like to discuss in the future!"

Upcoming Topics & Speakers:

Next CALL: 6 November 2019

- Billy Rennekamp on Clovers Network (<https://clovers.network/>)
- Mike Elias on IdeasMarket (<https://ideamarkets.org/>)

Previous Calls

October call: Missed due to DevCon5

4 September 2019

- Jeff Emmett - Commons Stack has some exciting updates!
 - <http://abcdemo.commonstack.org/>
 - <https://medium.com/giveth/deep-dive-augmented-bonding-curves-3f1f7c1fa751>
- Paul Kohlhaas & Ben Scholtz - Molecule Protocol, first sneak peek of the Alpha
 - Some links to help you find more info on Molecule & get in contact with us :)
Join the telegram to engage with the team, ask questions & help out:
<https://t.me/MoleculeProtocol>
 - Follow on Twitter for regular updates: https://twitter.com/Molecule_to
 - Molecule website - <https://molecule.to/>
 - Catalyst Landing page - <https://catalyst.molecule.to/>
- Elad Verbin - Financial Mathematics of Bonding Curves, Open questions & some answers
 - Slides:
<https://docs.google.com/presentation/d/13h4FARXfNwlgp0AZ-cTWuIPSCDs8n9N2NtZWictCwg/edit?usp=sharing>
 - Research Document Draft:
https://docs.google.com/document/d/1VU_SePT-GT0vEYkhQiqLTcrq4OIh5zYdg-5H6IDt24/edit#

7 August 2019

- Cem & Luke from Aragon
 - Aragon Fundraising Onboarding Form: <https://forms.gle/RCsceWnFHTzeXgXDA>
 -
- Tom St Laurent from Zap
 - Web portal <https://zap.org/portal/>
 - Contracts <https://github.com/zaproject/zap-ethereum-api>
 - Docs (undergoing update) <https://tech.zap.org/>
 - Contest (hackathon demo) <http://gitcontest.zap.org/bond>
 - widget example<zap-bond-widget address="0xF02491e199565B9822ECf001eB6a336959D655C8" endpoint="CoinCap.io Datafeed"></zap-bond-widget><script defer src="https://unpkg.com/zap-bond-widget@latest"></script>

Recording from call:

July 2019 - Missed

5 June 2019

- Ben & Wayne from Protea
- Zargham from BlockScience
 - I promised a link to the materials I presented. this is it:
https://github.com/BlockScience/conviction/blob/master/conviction_cadCAD3.ipynb

Recording from call:

https://www.youtube.com/watch?v=Z-gY_cFKHOQ&feature=youtu.be

1 May 2019 - Missed

3 April 2019

- Sorawit Suriyakarn - Band Protocol
- Jeff Emmet & Abbey Titcomb - Token Engineering the commons

Recording from call:

https://www.youtube.com/watch?v=1rBSn6aC2mQ&list=PLtQA_IktTCnbXDww6m9rfey98QDTyW0CM&index=6

6 March 2019

- Speakers TBC. email devon@molecule.to
- **Jeff Emmett**
 - A formalized, modeled & simulated token bonding curve using BlockScience's cadCAD simulation tool
 - A community proposal to build a Token Engineering Commons together! We aim to use this bonding curve to fund sustainable, open source R&D towards the community development of TE best practices and a full Commons Infrastructure Stack, including the eventual open sourcing of the cadCAD tool and the establishment of complex systems education & design methodology across the blockchain industry.
 - Twitter: [@jeffemmett](https://twitter.com/jeffemmett) / [@block_science](https://twitter.com/block_science) / [@givethio](https://twitter.com/givethio)
 - Medium: medium.com/@jeffemmett / medium.com/block-science
- **William George, Kleros**
 - Kleros is a decentralized justice protocol offering a radically different approach to dispute resolution. find out more here > <https://kleros.io>
 - [@kleros_io](https://twitter.com/kleros_io)

Recording from call:

https://www.youtube.com/watch?v=68mqYUIW4jw&list=PLtQA_IktTCnbXDww6m9rfey98QDTyW0CM&index=6&t=0s

6 February 2019

- **Benjamin Scholtz** - Bonding curve simulator demo
 - <https://bondingplayground.netlify.com/>
- **Billy Rennekamp** - batched bonding curves to combat front-running and adjustable collateral
 - <https://github.com/okwme/BatchedBondingCurves>

- <https://beta.observablehq.com/@okwme/batched-bonding-curves>
- Floating point issue is dealt with in robotics and other fields as well, using:
 - Taylor Series approximations
 - Numerical quadrature
 - Point differences
 - ...

Recording from call:

[Youtube link](#)

9 January 2019

- [Slava](#) on **Content Curation Markets and Sybil-Resistant Reputation**
- [James](#) on **Creating Public Organizations with ERC-888 Structure**

Recording from call:

[Youtube link](#)

Curation Market Pitfalls

Self-fulfilment — bonding curve price may impact intrinsic value of underlying asset.

Small markets and hard-to-value assets are susceptible to pump and dumps.

It's easy to create a bonding curve contract for an asset that has no value resulting in a pyramid scheme.



Other resources from the call:

- <https://github.com/ethereum/EIPs/issues/888>

5 December 2018

Presenters:

- [Ryan King](#) from [FOAM](#) on **Objective TCR's and Incentive Models**
- [Achill Rudolph](#) and [Logan Saether](#) from [Convergent](#) on **Business Models for Bonding Curves**

Recording from call:

<https://linumlabs.zoom.us/recording/share/EZsBJEEV0eV1CrydYGVBPpAURsi97yi6dlj2eMym4aXGwlumekTziMw>

Other resources from the call:

- <https://blog.foam.space/foam-map-overview-of-the-tcr-design-and-incentives-3a26603d3bab>
- <https://convergent.cx>
- We actually just released a blog post on a TCR designed specifically for objective content where all parties are incentivized and requires no altruistic behavior.
<https://medium.com/medxprotocol/a-tcr-protocol-design-for-objective-content-6abb04aac027>
- <https://medium.com/convergentcx/the-convergent-billboard-6594b933648e>

Extra Takes away:

- We want FOAM branded socks
- Next call will be pushed back by a week
- Happy with how things are running
- UJO licensed music to play before the call starts (DevCon4 Playlist)

November 14 Call: (signup here to add topics request to speak)

Simon de la Rouviere

- What are the legal implications of bonding curves? Are they considered an exchange or money transmitter? Would participants need to KYC?
- How does the development team or creators of a curation market get compensated to pay for expenses (such as marketing & education to onboard non-crypto users who don't own reserve token) given the climate of ICOs in the United States?
- Discussion and analysis of successfully launched products and learnings from recent attempts (ie: Civil)
- Incentivization without tokens using bonding curves. In other words, how can we incentive actors in a system to behave according to a protocol without the use of tokens.
- Any built or being worked on projects that are not "protocols" but products targeting non-crypto-people. Stuff like Cent.co maybe

Paul Kohlhaas

- Bonding curve design and funding models
 - Defining the parameters of a token bonding contract
 - Funding mechanisms derived from these parameters

Recording from call:

<https://linumlabs.zoom.us/recording/share/thez-u5BywCR05hV-NwhBMWuClvgn--B7ueaqKzG3wGwlumekTziMw>

Projects Currently Active in the Space

Who's working on what?

1. <https://coordination-game.netlify.com/>
 - Notes: alpha version, working on UX (**example)
2. <https://convergent.cx>
3. [AdChain](#): Curated list of high-quality websites for ad placement
4. [OScoin](#): Monetizing open source projects
5. [Relevant News Reader](#): Incentivizing quality news curation, combating inaccurate information
6. [Protea.io](#): Curated communities
7. [Molecule.to](#): R&D of molecular structures
8. [SingularityNet](#): AI Curation Markets
9. [Weeve Network](#): Reputation weighted TCRs
10. [FOAM Space](#): Geospatial coordinate curation
11. [Way Network](#): Social discovery curation
12. [Ocean Protocol](#): Curation of data pools
13. [Messari](#): TCR of quality token projects & information
14. [Cre8](#): Multidimensional reputation ([ERC 888](#))
15. <https://memelordz.com>
16. <https://clovers.network>
17. [DIRT](#): A generalized protocol for TCRs. Our TCR forum here (please join: <https://forum.dirtprotocol.com/>)
18. [EveryDapp](#): Dapp Curation Protocol
19. [Rlay](#): Data collaboration and curation on databases
20. Meme Factory (0x)
21. [Band Protocol](#): Protocol for building token-curated community with bonding curve
22. [Zap](#): Tokenized service curation
- 23.

Further Resources

- All things TCR: <https://github.com/miguelmota/awesome-token-curated-registries>
- TCR Reading List:
<https://medium.com/@tokencuratedregistry/the-token-curated-registry-whitepaper-bd2fb29299d6>