



CRYPTO AND BLOCKCHAIN ECONOMICS RESEARCH FORUM

CBER Crafting the Cryptoeconomy Conference

Hosted by Columbia University's Center for Digital Finance and Technologies

Sponsored by Avalanche Foundation and Uniswap Foundation

New York, NY

October 25-26, 2024

In collaboration with Columbia University's Center for Digital Finance and Technologies, Boston University's Digital Business Institute at the Questrom School of Business, Ecole Polytechnique, FinTech at Cornell - an Initiative of the SC Johnson College of Business, the FinTech Research Center at the University of Florida, the NYU Stern School of Business, and the University of Toronto Rotman School of Management's FinHub

October 25th: Workshop Day

Welcome and Opening Remarks	8:00 am – 8:10 am
Agostino Capponi, Columbia University	

CBER CtCe Funding for Research Proposals Announcement	8:10 am – 8:15 am
Andreas Park, University of Toronto and Fahad Saleh, University of Florida	

AMMs and Uniswap v4	8:15 am – 9:45 am
<ul style="list-style-type: none">• <i>Economics of Automated Market Makers</i> Andreas Park, University of Toronto• <i>Overview of Uniswap v4</i> Fahad Saleh, University of Florida	

Coffee Break	9:45 am – 10:00 am
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Maximal Extractable Value	10:00 am – 11:30 am
<ul style="list-style-type: none">• <i>Overview of Maximal Extractable Value</i> Ciamac Moallemi, Columbia University• <i>Mitigation Techniques for Maximal Extractable Value</i> Julian Ma, Ethereum Foundation	

Lunch	11:30 am – 1:00 pm
Eigen Layer Presentation	



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Roll Ups	1:00 pm – 2:30 pm
<ul style="list-style-type: none">• <i>Overview of Rollups</i> Ed Felten, Offchain Labs• <i>Hook Design for Rollups</i> TBD	

Coffee Break	2:30 pm – 2:45 pm
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Order Flow Auctions	2:45 pm – 4:15 pm
<ul style="list-style-type: none">• <i>Market Microstructure Concepts for Cryptoeconomics</i> Joel Hasbrouck, NYU Stern• <i>The Ecosystem of OFAs in the Cryptoeconomy</i> Brad Bachu, Uniswap Labs	

Real-World Hook Design	4:15 pm – 5:00 pm
<ul style="list-style-type: none">• <i>MEV-Aware Hook Design</i> Karthik Srinivasan, Sorella Labs• <i>TBD</i> TBD	

October 26th: Research Day

Special Session	8:30 am - 9:15 am
<p><i>Zero Knowledge: Introduction and DeFi Implications</i> Benedikt Bünz, New York University</p>	

Coffee Break	9:15 am – 9:30 am
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Privacy in the Cryptoeconomy

9:30 am – 10:30 am

Session Chair: TBD

Regulating Decentralized Systems: Evidence from Sanctions on Tornado Cash

- Anders Brownworth, Radius Inc.
- Jon Durfee, Federal Reserve Bank of New York
- Michael Junho Lee, Federal Reserve Bank of New York
- Antoine Martin, Swiss National Bank

Discussant: Alfred Lehar, University of Calgary

Blockchain Privacy and Regulatory Compliance: Towards a Practical Equilibrium

- Vitalik Buterin, Ethereum Foundation
- Jacob Illum, Chainalysis
- Matthias Nadler, University of Basel
- Fabian Schär, University of Basel
- Ameen Soleimani, Privacy Pools

Discussant: Jiasun Li, George Mason University

Coffee Break

10:30 am – 10:45 am

Panel: “Evolution of Decentralized Exchange: Risks, Benefits, and Oversight”

10:45 am – 11:30 am

Moderator: Troy Paredes

Session Panelists:

- Campbell Harvey, Duke University (Author)
- Brian Nistler, Uniswap Foundation (Discussant)
- TBD (Discussant)

Lunch

11:30 am – 1:00 pm

2nd Annual CBER-Circle Insight Award Presentation

Keynote Address

1:00 pm - 1:45 pm

Do Cryptocurrencies Matter From An Economic Perspective?

Bruno Biais
Professor of Finance, HEC Paris

Coffee Break

1:45 pm – 2:00 pm



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Decentralized Exchanges

2:00 pm – 3:00 pm

Session Chair: Evgeny Lyandres, Tel Aviv University

Automated Market Makers and the Value of Adaptive Fees

- David Cao, University of Pennsylvania
- Brett Hemenway Falk, University of Pennsylvania
- Gerry Tsoukalas, Boston University

Discussant: Alex Nezlobin, London School of Economics

An Analysis of Intent-Based Markets

- Tarun Chitra, Gauntlet
- Kshitij Kulkarni, UC Berkeley
- Mallesh Pai, Rice University
- Theo Diamandis, MIT

Discussant: TBD

Research Paper Session

3:00 pm – 4:00 pm

TBD

Coffee Break

4:00 pm – 4:15 pm

Panel: “Economic Limits of Permissionless Consensus”

4:15 pm – 5:00 pm

Moderator: Hanna Halaburda, NYU Stern

Session Panelists:

- Tim Roughgarden, Columbia University (Author)
- Katya Malinova, McMaster University (Discussant)
- TBD (Discussant)

CBER Forum Announcements

5:00 pm – 5:10 pm

Andreas Park, University of Toronto and Fahad Saleh, University of Florida

Concluding Remarks

5:10 pm – 5:15 pm

Agostino Capponi, Columbia University



CRYPTO AND BLOCKCHAIN ECONOMICS RESEARCH FORUM

Organizers

Agostino Capponi Nir Chemaya
Columbia University UC, Santa Barbara

Kose John Barnabé Monnot Andreas Park
NYU Stern Ethereum Foundation U of Toronto

Fahad Saleh Lee Schneider Aviv Yaish
U of Florida Ava Labs Yale U

Advisory Committee

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Andy Naranjo Kenneth Ng Brett Palatiello
University of Florida Uniswap Foundation Eigen Labs

Julien Prat Gerry Tsoukalas Xin Wan
Ecole Polytechnique Boston University Uniswap Labs

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