



## **CBER Crafting the Cryptoeconomy Conference**

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

Sponsored by Avalanche Foundation and Uniswap Foundation

Columbia Engineering Innovation Hub  
Tang Family Hall, New York, NY 10027  
2276 12th Avenue, Floor 2  
October 16-17, 2025

*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*

**REGISTER FOR CONFERENCE**

**October 16th**

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| <b>Welcome and Opening Remarks</b><br>Agostino Capponi, Columbia University | 9:15 am – 9:30 am |
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| <b>Special Session: Layer 1 Protocols</b><br>Session Chair: Nusret Taş, a16z                                                                                                                                   | 9:30 am – 11:00 am |
| <ul style="list-style-type: none"><li>• <i>Avalanche Protocol</i><br/>Stephen Buttolph, Chief Protocol Architect at Ava Labs</li><li>• <i>Solana Protocol</i><br/>Ashwin Sekar and Max Resnick, Anza</li></ul> |                    |

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| <b>Coffee Break</b> | 11:00 am – 11:15 am |
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| <b>Special Session: Oracles</b><br>Session Chair: Jillian Grennan, Emory University                                                                                                                                | 11:15 am – 12:15 pm |
| <ul style="list-style-type: none"><li>• <i>Overview of Oracles</i><br/>Fan Zhang, Yale University</li><li>• <i>Economic Implications of Oracles</i><br/>Daniel Rabbeti, National University of Singapore</li></ul> |                     |



# CRYPTO AND BLOCKCHAIN ECONOMICS RESEARCH FORUM

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**Lunch with Morpho Presentation**

12:15 pm – 1:45 pm

Moderator: Andreas Park, University of Toronto

*Overview of Morpho*

Paul Frambot

Co-Founder and CEO, Morpho Labs

**Research Session: Economics of Staking**

1:45 pm – 2:45 pm

Session Chair: Linda Schilling, Washington University in St. Louis

*Incentives and Reputation in Liquid Restaking Protocols*

- Boyang Mu, Ecole Polytechnique
- Julien Prat, Ecole Polytechnique
- Natkamon Tovanich, Ecole Polytechnique

*ETH staking market: incentives and implications*

- Fayçal Drissi, University of Oxford
- Zachary Feinstein, Stevens Institute of Technology
- Basil Williams, Imperial College

*Optimal Issuance for Proof-of-Stake Blockchains*

- Urban Jermann, University of Pennsylvania

**Coffee Break**

2:45 pm – 3:00 pm

**Special Session**

3:00 pm – 3:45 pm

Moderator: Katrin Tinn, McGill University

*Banking on Blockchain*

Rod Garratt

University of California at Santa Barbara

**Coffee Break**

3:45 pm – 4:00 pm

**Keynote Address**

4:00 pm – 5:00 pm

Moderator: Kose John, NYU Stern

*How Stablecoins are Changing the Financial System*

Darrell Duffie

Stanford University



# CRYPTO AND BLOCKCHAIN ECONOMICS RESEARCH FORUM

## Concluding Remarks

5:00 pm – 5:15 pm

George Deodatis, Vice Dean for Research at Columbia Engineering

## October 17th

### Special Session: Trading

8:30 am – 9:30 am

Session Chair: Joshua Reed, New York University

- *Onchain Options Trading*  
Guillaume Lambert, Panoptic
- *Hyperliquid Protocol*  
Ruizhe Jia, Stanford University

### Coffee Break

9:30 am – 9:45 am

### Research Session: Cryptomarket Microstructure

9:45 am – 11:05 am

Session Chair: Ye Li, University of Washington

#### *A Structural Model of Automated Market Making*

- David Cao, University of Pennsylvania
- Brett Falk, University of Pennsylvania
- Leonid Kogan, Massachusetts Institute of Technology
- Gerry Tsoukalas, Boston University

#### *Structural Estimation of MEV-Boost Auctions*

- Mallesh Pai, Rice University and Paradigm
- Tivas Gupta, Consensys Inc.
- Max Resnick, Anza
- Xun Tang, Rice University

#### *Quantitative Investments in Decentralized Finance*

- Evgeny Lyandres, Tel Aviv University

#### *Becoming Immutable: How Ethereum is Made*

- Andrea Canidio, CoW Protocol
- Vabuk Pahari, Max-Planck-Institute

### Coffee Break

11:05 am – 11:15 am



# CRYPTO AND BLOCKCHAIN ECONOMICS RESEARCH FORUM

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| <b>Special Session</b>                        | 11:15 am – 12:00 pm |
| Moderator: Jiasun Li, George Mason University |                     |
| <i>BuilderNet</i>                             |                     |
| Quintus Kilbourn                              |                     |
| Flashbots                                     |                     |

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| <b>Lunch</b> | 12:00 pm – 1:00 pm |
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| <b>Special Session: Layer-2s</b>                                                                                                                                                                                                                              | 1:00 pm – 2:30 pm |
| Session Chair: Olga Klein, University of Warwick                                                                                                                                                                                                              |                   |
| <ul style="list-style-type: none"><li>• <i>Unichain</i><br/>Joshua Gutow, Uniswap Labs</li><li>• <i>Base</i><br/>Anika Raghuvanshi, Base</li><li>• <i>Optimal Rollup Design</i><br/>Ciamac Moallemi, Columbia University, Paradigm and Uniswap Labs</li></ul> |                   |

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| <b>Coffee Break</b> | 2:30 pm – 2:45 pm |
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| <b>Special Session: Ethereum</b>                                                                                                                                                                                             | 2:45 pm – 4:15 pm |
| Session Chair: Campbell Harvey, Duke University                                                                                                                                                                              |                   |
| <ul style="list-style-type: none"><li>• <i>Ethereum's Developer Ecosystem</i><br/>Trent Van Epps, Ethereum Foundation</li><li>• <i>Pectra, Fusaka and Beyond</i><br/>Caspar Schwarz-Schilling, Ethereum Foundation</li></ul> |                   |

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| <b>Special Session: Zero Knowledge</b>                            | 4:15 pm – 5:00 pm |
| Moderator: Hanna Halaburda, NYU Stern                             |                   |
| <i>Zero-Knowledge Proofs: Where We Are and Where We're Headed</i> |                   |
| Justin Thaler                                                     |                   |
| Georgetown University and a16z                                    |                   |

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| <b>Concluding Remarks</b>             | 5:00 pm – 5:15 pm |
| Agostino Capponi, Columbia University |                   |



# CRYPTO AND BLOCKCHAIN ECONOMICS RESEARCH FORUM

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## Organizers

Agostino Capponi    Brad Bachu  
*Columbia University    Uniswap Labs*

Nir Chemaya    Kose John    Andreas Park  
*Ben-Gurion University    NYU Stern    University of Toronto*

Fahad Saleh    Aviv Yaish  
*University of Florida    Yale University*

## Advisory Committee

Bita Abolfathi    Lin William Cong    Hanna Halaburda    Joel Hasbrouck  
*Uniswap Foundation    Cornell University    NYU Stern    NYU Stern*

Gordon Liao    Barnabé Monnot    Ciamac Moallemi    Andy Naranjo  
*Circle    Ethereum Foundation    Columbia University    University of Florida*

Kenneth Ng    Julien Prat    Lee Schneider    Gerry Tsoukalas  
*Uniswap Foundation    Ecole Polytechnique    Ava Labs    Boston University*

Xin Wan    David Yermack  
*Uniswap Labs    NYU Stern*