

IC3 Spring Retreat - Agenda - Thursday May 10
Tata Innovation Center, Cornell Tech
2 W Loop Rd, New York, NY 10044

8:00 – 8:45 Continental Breakfast

8:45 – 9:00 Welcome - Emin Gün Sirer

9:00 – 10:00 Session 1: Speed and Scale - Chair: Dawn Song

Andrew Miller - Honey Badger-MPC - 10 min
Yan Ji - Ethereum Scaling - 10 min
Soumya Basu - Decentralization in Bitcoin and Ethereum - 10 min
Sarah Azouvi - Betting on Consensus - 10 min
Itay Tsabary - The Gap Game: Mining gaps - formation and implications - 10 min
Kevin Sekniqi - Found Protocols, like Found Art - 10 min

10:00 - 10:30 Break - 30 min

10:30 – 11:10 Session 2: Security, Integrity and Confidentiality - Part 1 - Chair: Andrew Miller

Dawn Song/Raymond Cheng - Ekiden: Confidentiality-Preserving, Trustworthy, and Performant Smart Contract Execution - 10 min
Iddo Bentov - Credit Network with Asset-Based Proof-of-Stake Consensus - 10 min
Burcu Canakci - Consensus protocols for permissioned blockchains - 10 min
Sarah Meiklejohn - Anonymity in Cryptocurrencies - 10 min

11:10 - 11:30 Break - 20 min

11:30 - 12:00 Session 3: Correct by Construction Smart Contracts - Use Cases, Business and Technical Requirements - Chair: Andrew Myers

JPM - Suresh Shetty - 10 min
Chain - Dan Robinson - 10 min
Microsoft – Manuel Costa - 10 min

12:00 – 1:00 Lunch - 60 min

Breakout Session: CxC Working Group - Andrew Myers

BoF Session: Infrastructure - Emin Gün Sirer

BoF Session: Zero Knowledge Proofs - Andrew Miller

1:00 – 1:50 Session 4: Security, Integrity and Confidentiality - Part 2 - Chair: Ari Juels

Ethan Cecchetti - Proofs of Replication - 10 min
Fan Zhang - Paralysis Proofs - 10 min
Mary Maller - Nearly Trustless Setup for zk-SNARKs - 10 min
Haobin Ni - A formally verified permissioned blockchain - 10 min
Surya Bakshi - State Channel Monitors - 10 min

1:50 - 2:10 Break - 20 min

2:10 – 3:00 Session 5: Industry Session – Pain Points and Hot Topics on the Path to Production - Chair: Emin Gün Sirer

Fidelity - Bob McElrath
IBM - Salman Baset
Intel - Mic Bowman
VMware - Mike DiPetrillo
Digital Asset - Shaul Kfir

3:00 - 3:30 Break - 30 min

3:30 - 4:15 Session 6: Demo Show and Tell - Chair: Robbert van Renesse

Kai Mast 🚩 - New Architecture for Blockchains - 10 min
Isaac Sheff 🚩 - Cross Chain Transactions - 10 min
Oded Naor 🚩 - Teechain: Asynchronous Offline Payment Channels using Trusted Execution Environments - 10 min
Phil Daian 🚩 - Project Chicago / GasToken - 10 min

4:15 - 4:45 Session 7: Vision Stand Up: New Applications and Research Directions - Chair: Andrew Miller

Ian Miers - 3 min
Iddo Bentov - 3 min
Patrick McCorry - 3 min
Robbert van Renesse - 3 min
Emin Gün Sirer - 3 min
Ari Juels - 3 min
Andrew Myers - 3 min
Dawn Song - 3 min

4:45 – 5:00 Wrap up - Emin Gün Sirer

6:00 – Dinner – Manhattan Venue TBD

🚩 -- indicates a demo