

# COHORT 8 FINALS AGENDA

APRIL 12, 2024

## 9:00 a.m. – 9:15 a.m. Welcome Remarks

- **Paul Kearns**, Laboratory Director, Argonne National Laboratory
- **Megan Clifford**, Associate Laboratory Director, Science and Technology Partnerships and Outreach
- **Colleen Wright**, VP, Corporate Strategy, Constellation
- **Dick Co**, Director, Chain Reaction Innovations

## SESSION 1: 9:15 a.m. – 10:45 a.m.

15-minute pitch, followed by 10-minute Q/A, and 5 minutes for panelists to record notes

- 9:15 a.m. **Jhana Porter** - *Conversion of Biobased Overage Streams into High-Value Polymer Bioproducts*
- 9:45 a.m. **Scott Svadlenak** - *Validation of Economic Viability of a Novel Process to Upcycle PVC Waste*
- 10:15 a.m. **Ying Sun** - *Phytomining for Extraction of Critical Metals from Soil and Mine Waste*

-----10:45 a.m. – 10:55 a.m. Break-----

## SESSION 2: 10:55 a.m. – 12:25 p.m.

15-minute pitch, followed by 10-minute Q/A, and 5 minutes for panelists to record notes

- 10:55 a.m. **Karl Jantze** - *Thermoacoustic Energy Generation for U.S. Heavy Industry*
- 11:25 a.m. **Nathan Petersen** - *Bearingless Motors for Sustainable High-Speed Machinery*
- 11:55 a.m. **Angela Feldhaus** - *Self-levitating Near Space Platforms for Atmospheric Sensing and Telecommunications*

-----12:25 p.m. – 1:00 p.m. Lunch Break-----

## SESSION 3: 1:00 p.m. – 2:30 p.m.

15-minute pitch, followed by 10-minute Q/A, and 5 minutes for panelists to record notes

- 1:00 p.m. **Haining Gao** - *Hybrid Solid-liquid Cathode to Boost Lithium Primary Battery Energy*
- 1:30 p.m. **Tim Ritter** - *High Entropy Solid Polymer Electrolyte for Advanced Batteries*
- 2:00 p.m. **Rafael Vilá** - *Sodium-ion Active Materials for EV Applications*

-----2:30 p.m. – 2:45 p.m. Break-----

## SESSION 4: 2:45 p.m. – 4:15 p.m.

15-minute pitch, followed by 10-minute Q/A, and 5 minutes for panelists to record notes

- 2:45 p.m. **Onur Ergen** - *Accelerate SiC Production with Quantum Phonon Engineering*
- 3:15 p.m. **Berk Diler Kovos** - *SynthBits: Illuminating Designer Qubits for All*
- 3:45 p.m. **Quantum Crystal** - *Universal Quantum Computing Using Electron on Neon Qubits*

## 4:15 p.m. Closing Remarks

- **Dick Co**, Director, Chain Reaction Innovations