



COLUMBIA ELECTROCHEMICAL ENERGY CENTER

Design, Study, and Implement Sustainable Energy Storage and Conversion

CEEC Fall Symposium 2026 **Mines and Feedstocks to Grids, Chemicals, and Materials**

Wednesday, September 23, 2026
Davis Auditorium, Schapiro CEPSR Building

The energy transition depends on the science and engineering that makes electrochemistry deployable at scale — from mines and feedstocks through grids, chemicals and materials, and back into circulation. Batteries have to be safe, manufacturable, and affordable at grid scale. Electrolyzers have to compete on cost with incumbents built over a century. Critical minerals, commodity chemicals, and advanced materials have to move from feedstocks to purified products without recreating the environmental burdens we're trying to escape. The CEEC Fall Symposium gathers CEEC faculty, PhDs, postdocs, and industry practitioners working across this arc. Two afternoon sessions — Electrifying Chemicals and Materials, and The Grid Frontier — pair CEEC faculty keynotes with lightning talks and industry panels focused on the technical and commercial problems that matter most. The day closes in Carleton Commons with a reception and poster session showcasing CEEC research and the commercialization pathways emerging from it.

Afternoon Symposium — Davis Auditorium, Schapiro CEPSR Building

- 12:30 – 1:00 **Registration — Davis Auditorium**
- 1:00 – 1:15 **Welcome and Introductory Remarks**
- George Deodatis — *Senior Vice Dean for Research, Columbia Engineering*
 - Dan Steingart — *Co-Director, CEEC; Stanley-Thompson Professor of Chemical Metallurgy; Chair, Earth and Environmental Engineering, Columbia University*
- 1:15 – 3:00 **Session I — Electrifying Chemicals and Materials**
- 1:15 – 1:55 **Keynote:** *“Let Electrolysis Take the Main Stage: Materials Synthesis, Fuels, and Closed-Loop Processing”*
Alan West — *Professor, Chemical Engineering, Columbia University*
- 1:55 – 2:15 **Lightning Talks — CEEC PhDs and postdocs from Carneiro, Chen, Esposito and Urban groups**



- 2:15 – 3:00 **Panel — Electrolysis at Scale: From Hydrogen to Critical Materials**
Panel chair: Dan Esposito — *Associate Professor, Chemical Engineering, Columbia University*
- Juliana Carneiro — *Assistant Professor, Chemical Engineering, Columbia University*
 - Katharine Greco — *VP, Commercialization, Still Bright*
 - Micaela Homer — *Materials Science and Characterization Lead, Sora Fuel*
- 3:00 – 3:30 **Break — Carleton Commons**
- 3:30 – 5:15 **Session II — The Grid Frontier**
- 3:30 – 4:10 **Keynote: “The Battery Deployment Moment: Getting Manufacturing and Safe Deployment Right”**
Lauren Marbella — *Associate Professor, Chemical Engineering, Columbia University*
- 4:10– 4:30 **Lightning Talks — CEEC PhDs and postdocs from Steingart, Xu, Yang and Yao groups**
- 4:30 – 5:15 **Panel — Manufacturing and Safe Deployment of Batteries**
Panel chair: Dan Steingart — *Professor, Earth and Environmental Engineering, Columbia University*
- Yan Yao — *Professor, Earth & Environmental Engineering, Columbia University*
 - Richard May — *Co-Founder & CTO, Every Electric*
 - Yi Wang — *VP, Fire Hazard & Protection, FM*
- 5:15 – 7:00 **Reception and Poster Session — Carleton Commons**
- 7:00 **Departures**

