

FRONTIERS IN MATERIALS MANUFACTURING

DECARBONIZING INDUSTRY THROUGH ELECTROCHEMICAL PROCESSING WEBINAR AGENDA

October 21, 2021

10:00 a.m. Welcome

Paul Kearns

Laboratory Director,
Argonne National Laboratory

George Crabtree

Director of the Joint Center for
Energy Storage Research and
Argonne Distinguished Fellow,
Argonne National Laboratory

10:15 a.m. Opening Remarks

U.S. Representative Bill Foster

Illinois' 11th Congressional District

10:20 a.m. Keynote

Joe Cresko

Chief Engineer in the
Advanced Manufacturing Office,
U.S. Department of Energy

10:35 a.m. Keynote

Antoine Allanore

Associate Professor of Metallurgy,
Department of Materials Science &
Engineering, Massachusetts Institute of
Technology

**10:50 a.m. Panel 1: The Role of Electrochemistry
in Industrial Decarbonization**

Jeffrey S. Spangenberg, Moderator

Group Leader for Materials Recycling
and Director of the ReCell Center,
Argonne National Laboratory

Wei Cai

Energy Transformation Technology Leader,
GE Research

Runeel Daliah

Senior Analyst, Lux Research

Pingping Sun

Principal Energy Systems Analyst,
Argonne National Laboratory

**11:30 a.m. Panel 2: Status and Outlook R&D
Needs in Industrial Electrochemistry**

John Hryn, Moderator

Group Leader for Emergent Materials and
Processes, Argonne National Laboratory

Laurel Harmon

Vice President of Government Relations,
LanzaTech

Di-Jia Liu

Senior Chemist, Argonne National Laboratory

Kate Peretti

Technology Manager in the Advanced
Manufacturing Office, U.S. Department
of Energy

Brian Storey

Director of Accelerated Materials Design and
Discovery Program, Toyota Research Institute

12:10 p.m. How To Work With Argonne

Megan Clifford

Associate Laboratory Director
for Science and Technology
Partnerships and Outreach,
Argonne National Laboratory

12:15 p.m. Virtual Tours of Argonne R&D Facilities

Electrochemical Discovery Laboratory

Justin Connell

Materials Scientist,
Argonne National Laboratory

Continuous Flow Reactor

**Laboratory at the Materials Engineering
Research Facility**

Kris Pupek

Group Leader for Process R&D and Scale Up,
Argonne National Laboratory

Electrodialysis Pilot Plant

Meltem Urgun-Demirtas

Group Leader for Bioprocesses & Reactive
Separations, Argonne National Laboratory

12:45 p.m. Conclude

For more information and to
register for the event, visit
www.anl.gov/manufacturing/frontiers

