JISEA

Joint Institute for
Strategic Energy Analysis

Welcome to the JISEA Virtual Meeting!

Thursday, April 9, 2020

Jill Engel-Cox, Director

NREL NATIONAL RENEWABLE ENERGY LABORATORY | COLORADO SCHOOL OF MINES | Colorado State University | MIT Massachusetts Institute of Technology | STANFORD UNIVERSITY | University of Colorado Boulder

Some Housekeeping Items

TWO OPTIONS FOR AUDIO

SELECT AUDIO MODE

1

Listen through your computer.

Please select the “mic and speakers” radio button on the right-hand audio pane display

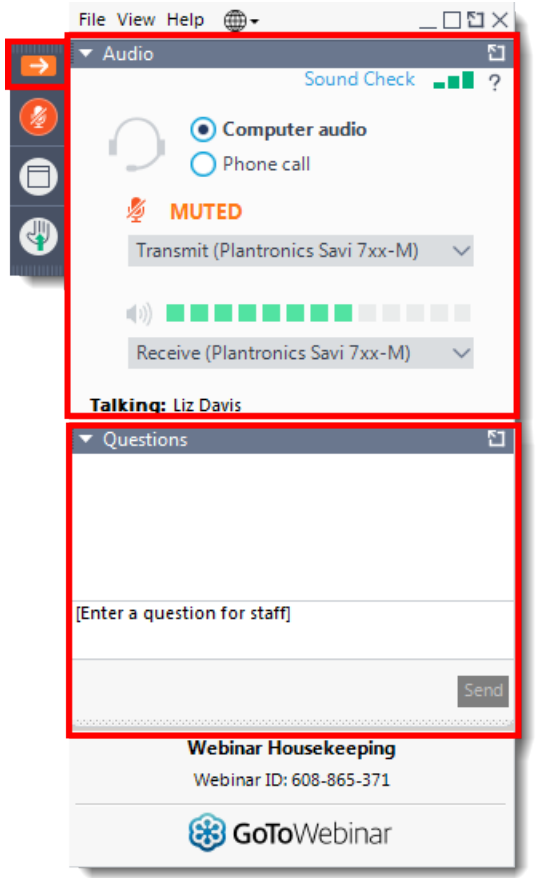
2

Listen through by telephone.

Please select the "telephone” option in the right-hand display, and a phone number and PIN will display.

Panelists - Please mute your audio device when not presenting.

GoToWebinar: Attendee Participation



Your Participation

- Open and close your control panel.
- Join audio:
  - Choose **Mic & Speakers** to use VoIP
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- Submit questions and comments via the Questions panel

Note: Today's presentation is being recorded and will be provided within 48 hours.

Agenda

Welcome and Introduction to JISEA (9:00 – 9:05 MDT) – *Jill Engel-Cox*

Power Systems (9:05 – 10:30 MDT)

- Innovative Utility Offerings at the Distribution Edge
  - *Travis Lowder and Jeffrey Logan*
- Options for Resilient and Flexible Power Systems in South America
  - *Jeffrey Logan and Josue Prado*
- Power and Natural Gas Systems Interface
  - *Bri-Mathias Hodge*

Industry & Agriculture (10:30 – 12:00 MDT)

- Renewable Energy in Mining
  - *Travis Lowder and Tisi Igogo*
- LED Lighting: A Global Enterprise
  - *Samantha Reese*
- Spanning the Nexus: Integrated Energy Research on Agriculture & Water Challenges
  - *Jordan Macknick and James McCall*

Mission: NREL advances the science and engineering of energy efficiency, sustainable transportation, and renewable power technologies and provides the knowledge to integrate and optimize energy systems.

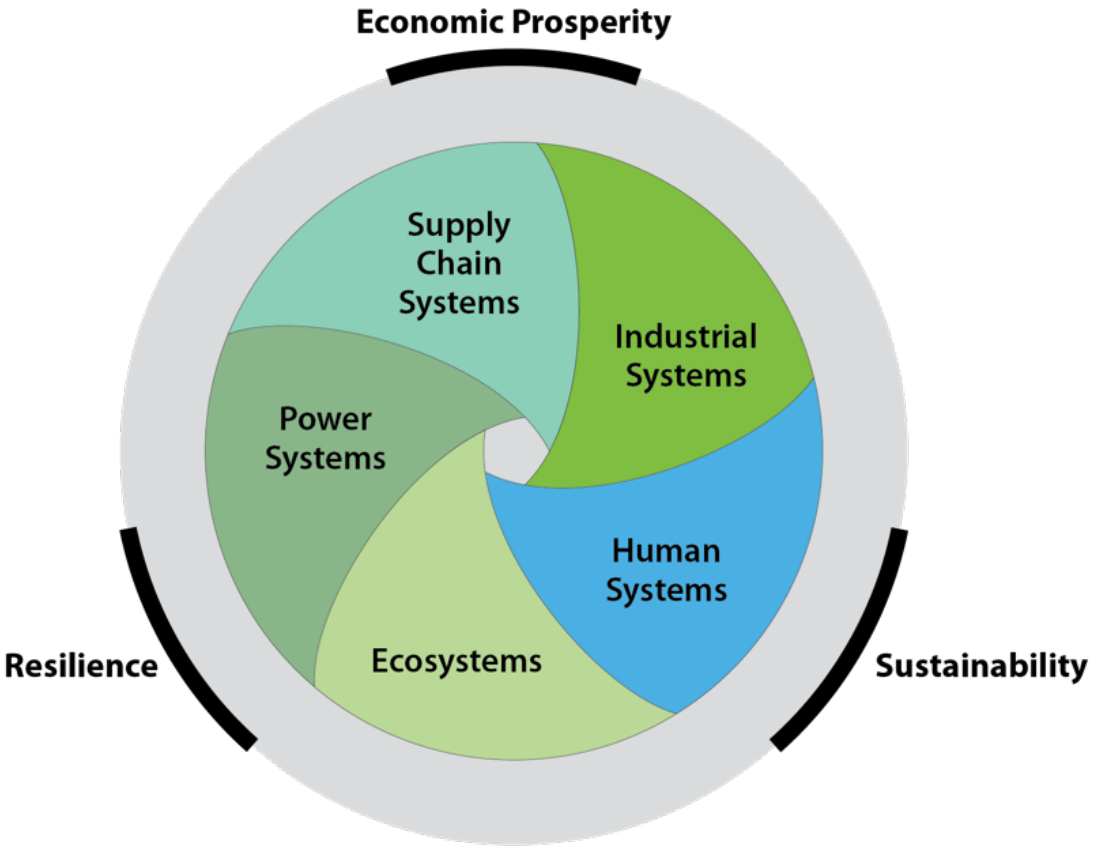
Example Technology Areas:

- 2,300 employees, plus 460 postdoctoral researchers, interns, visiting professionals, and subcontractors
- 327-acre main campus in Golden & 305-acre Flatirons Campus with National Wind Technology Center 13 miles north
- 61 R&D 100 awards. More than 1,000 scientific and technical materials published annually

JISEA

Joint Institute for Strategic Energy Analysis

Connecting technologies, economic sectors, and continents to catalyze the transition to the 21st century energy economy.



Founding Partners:

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Connecting technologies, economic sectors, and continents to catalyze the transition to the 21st century energy economy.

Brings together consortiums of diverse partners

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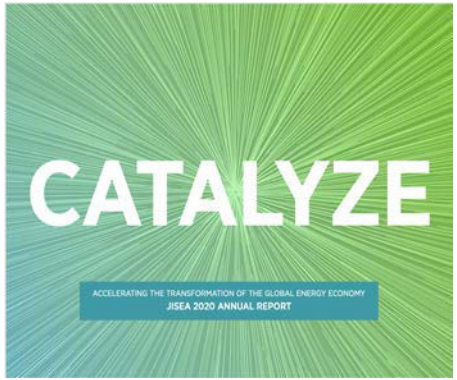
JISEA Research Portfolio

- Clean energy for **Industry & Agriculture**
- Energy **System Integration** and Transformation
- Advanced **Manufacturing** Analysis
- **International Collaboration** and Capacity Building

Learn more on our website and in the 2020 Annual Report.



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Thank you

NREL/PR-6A50-76522

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