



AGENDA | **Friday, April 25, 2025, CSUB Student Recreation Center**

- 8:00 am** ***Welcome and Introductions***
Dr. Matthew Herman, Emcee/Moderator, Department of Geological Sciences, CSUB
Dr. Jane Dong, Dean, College of Natural Sciences, Mathematics and Engineering, CSUB
Dr. Vernon B. Harper Jr., President, CSUB
- 8:20 am** ***Historic Opportunities Disguised as Insurmountable Challenges: Earth Systems, Energy Innovation, and Carbon Management***
CRC Energy Transition Lecture Series Speaker: Steve Bohlen, Senior Director, Office of Government & External Affairs, Lawrence Livermore National Laboratory
- 9:05 am** ***Building a Robust Hydrogen Ecosystem***
Panel: Kevin Woo, Principal Engineer, EN Renewables at ENTRUST;
Iryna Zenyuk, Director of the National Fuel Cell Research Center, University of California Irvine;
Chris Jackson, Director, Hydrogen Generation and Fuel Cells, PHY Consulting Ltd.
Moderator: John Thompson, Manager of Science Services, California Council on Science and Technology
- 9:45 am** ***Hydrogen Development and Infrastructure SME***
Sponsored by Cornerstone Engineering and Advisors
Speaker: Chris Jackson, Director, Hydrogen Generation and Fuel Cells, PHY Consulting Ltd.
- 10:25 am** ***COFFEE BREAK***
- 10:45 am** ***Repurposing Idle Wells: Challenges and Opportunities***
Panelists: Bill Bartling, Director of Regulatory Affairs, Geo2Watts;
Mike Umbro, Partner, Premier Resource Management
- 11:25 am** ***California Geological Survey's Modeling and Monitoring Activities in Support of Carbon Sequestration in California***
Speaker: Jeremy Lancaster, Director and State Geologist, California Geological Survey
- 11:55 am** ***Economic Impacts of the Energy Transition***
Panelists: Patrick Harris, Director, Corporate Development, Carbon TerraVault, California Resources Corporation;
Lorelei Oviatt, Director, Kern County Planning and Natural Resources Department;
Noah Deich, Senior Advisor, Carbon180
Moderator: Kate Gordon, CEO, California Forward
- 12:30 - 1:30 pm** ***LUNCH***
Poster sessions: CSUB Student Research; Booths showcasing regional organizations and companies
Location: Solario de Fortaleza, Student Recreation Center
- 1:30 pm** ***Fireside Chat : Decoding Senate Bill 905***
Speaker: Natalie Lee, Assistant Chief of Industrial Strategies Division, California Air Resources Board
Moderator: Tony Rathburn, Interim Director of the California Energy Research Center
- 2:00 pm** ***Evaluation and Mitigation of Induced Seismicity***
Speaker: Kayla Kroll Whiteside, Research Geophysicist, Lawrence Livermore National Laboratory
- 2:20 pm** ***A New Method for Continuous Monitoring of CO2 Containment***
Speaker: Terence O'Sullivan, Petrophysical Consultant
- 2:40 pm** ***Caprock Integrity and Secure Hydrogen Storage in Porous Rocks***
Speaker: Liaosha Song, Associate Professor of Geology, Department of Geological Sciences, CSUB
- 3:00 pm** ***FINAL REMARKS***
Dr. James L. Rodríguez, Interim Provost, CSUB; Dr. Matthew Herman



**CALIFORNIA ENERGY
RESEARCH CENTER**
CSU BAKERSFIELD™

The California Energy Research Center (CERC)

CERC expands the capabilities of CSUB faculty, research scientists, post-doctoral researchers and students to conduct research on sustainable and affordable energy production and its impacts in the region, the state of California and beyond. CERC convenes energy experts in interdisciplinary teams to conduct research relevant to carbon and hydrogen storage, water, wind, solar, petroleum and biofuel in Kern County. Additionally, CERC provides information to the community about energy and water issues in the Central Valley.

photo by Brian Pitts



Scan for a full
digital program



**Lawrence Livermore
National Laboratory**

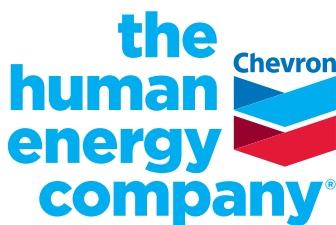
Founded in 1952, Lawrence Livermore National Laboratory is an applied science and technology laboratory providing bold and innovative solutions to a wide variety of national security missions and the most significant challenges facing the world today. The Lab is managed by Lawrence Livermore National Security, LLC for the U.S. Department of Energy's National Nuclear Security Administration.



**Livermore Lab
FOUNDATION**

The Livermore Lab Foundation is a 501c3 nonprofit organization supporting the fundamental science and research at Lawrence Livermore National Laboratory. It serves as a key philanthropic partner to the Laboratory, providing mechanisms for public and private investments and grants and philanthropic gifts that support research, student fellows, STEM outreach, education, and community initiatives.

THANK YOU TO OUR EVENT SPONSORS:



**CALIFORNIA
RESOURCES
CORPORATION**



NATIONAL CEMENT
National Cement Company of California, Inc.



CORNERSTONE
ENGINEERS • ADVISORS
Bringing Solutions and Light



**INDUSTRIAL
SEPARATIONS**

Claire Technologies