

# 2025 CISTAR BIENNIAL MEETING AGENDA

## WEDNESDAY, SEPTEMBER 3, 2025

All day SLC-Led Graduate Student Meeting

6:00 PM - 8:00 PM CISTAR Welcome Dinner

## THURSDAY, SEPTEMBER 4, 2025

8:00 AM - 8:15 AM **Welcome, CISTAR Overview, and Funding**  
Fabio Ribeiro

8:15 AM - 9:15 AM **Keynote Presentation - Zeolite-Based Catalyst Technologies: Leading the Charge in Overcoming Current and Future Challenges**  
José Santiesteban

9:15 AM - 9:45 AM **Regenerable, Thermally Stable Alkane Dehydrogenation Catalysts**  
Jason Hicks

9:45 AM - 10:15 AM **Advancement of Olefin Oligomerization Catalyst Technologies for Energy Applications**  
Rajamani Gounder

10:15 AM - 10:30 AM **Break**

10:30 AM - 11:00 AM **Frontiers in C1 Activation and Conversion**  
Tobin Marks

11:00 AM - 11:45 AM **The Role of Techno-Economic Analysis, Life Cycle Assessment, and Policy Considerations in Guiding Research Direction and Training Graduate Students**  
Jennifer Dunn and Alexander Dowling

11:45 AM - 12:15 PM **Enabling High Temperature H<sub>2</sub> Separation with Organo-soluble Polybenzoxazole Membranes**  
Ruilan Guo

12:15 PM - 1:30 PM **Lunch**

1:30 PM - 3:00 PM **CISTAR Graduate Fellows Poster Pitch Competition**

3:00 PM - 3:15 PM **Break**

3:15 PM - 4:15 PM **Interactive Panel: Making Industry-Academia-Government Partnerships Work**

4:15 PM - 5:15 PM **CISTAR Graduate Fellows Poster Session, Group 1**

5:15 PM - 6:15 PM **CISTAR Graduate Fellows Poster Session, Group 2**

6:30 PM - 8:30 PM **Dinner**

## FRIDAY, SEPTEMBER 5, 2025

8:00 AM - 8:15 AM **Poster Pitch and Poster Presentation Awards**

8:15 AM - 9:15 AM **Keynote Presentation - Serendipity in Hindsight and the Benefits of the Unexpected, the Uncovered, and the Unpromised**  
Enrique Iglesia

9:15 AM - 9:45 AM **Granular Double-Networks as a Modular Platform for Fabricating Thin, Permselective, and Mechanically Robust Membranes**  
Gabriel Sanoja Lopez

9:45 AM - 10:15 AM **Upgrading Light Olefins via Electrocatalytic Carboxylation and Selective Oxidation Approaches**  
Linsey Seitz

10:15 AM - 10:30 AM **Break**

10:30 AM - 11:00 AM **Engineering Active Sites and Supports for Controlled Hydrocarbon Transformations**  
Nicholas Jaegers

11:00 AM - 11:30 AM **Influence of Zeolite Void Environment on Propene Oligomerization Using a Combined Computational and Experimental Approach**  
David Hibbitts

11:30 AM - 12:15 PM **Wrap-up discussion and feedback**

12:15 PM - 12:30 PM **Boxed lunches**

12:30 PM **Industrial research lab and facilities tour (UOP) - CISTAR Fellows only**

12:30 PM **Northwestern University labs and facilities tour - optional**