



Biomass integration with Traditional Refineries (BiTR)

Mini Symposium - Thursday, April 17, 2025

There is increasing interest in combining our existing hydrocarbon infrastructure with renewable sources of carbon such as seed oils, waste fats and oils, tri-acyl glycerides (TAGs) derived from sources such as algae, and pyrolysis oils from woody biomass. This has been driven by standards such as the California Low Carbon Fuel Standard (LCFS) and the desire by industry segments, such as aviation, for fuels with low net carbon emissions. In this mini-symposium we will hear from experts on the challenges and potential solutions to the integration at different scales and levels of abstraction.

- 11:00 a.m. - 11:40 a.m.** **Valorization of Forestry Side-stream**
*Joseph Samec, Stockholm University, RenFuel,
Lignin Industries and LigniCore*
- 11:40 a.m. - 12:20 p.m.** **Biomass Integration in Refineries with a Focus
on System-Level Modeling and Optimization
of Integration Strategies**
Ana Inès Torres, Carnegie Mellon University
- 12:20 p.m. - 12:30 p.m.** **Break**
- 12:30 p.m. - 1:10 p.m.** **Advances in Catalysts for Feeds that Contain
Blends of Seed and Tallow Oils**
Mike Reynolds, Shell
- 1:10 p.m. - 1:30 p.m.** **Refinery Integration Analysis: Pathways, Challenges,
and Opportunities**
Nick Carlson, National Renewable Energy Lab
- 1:30 p.m. - 1:50 p.m.** **Producing Hydrocarbon Fuels from Woody Biomass
via Catalytic Pyrolysis and Refinery Hydrotreating**
Mike Griffin, National Renewable Energy Lab
- 1:50 p.m. - 2:30 p.m.** **Separation of Bioderived Compounds Using
Membrane Technology**
Ryan Lively, Georgia Tech

Join us to learn
how experts tackle
sustainable fuel
challenges!

Register Now



Contact:
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