

# CALL FOR PAPERS



## Division of Catalysis Science and Technology American Chemical Society

### 253<sup>rd</sup> ACS National Meeting & Exposition: *Advanced Materials, Technologies, Systems and Processes, April 2-7, 2017*

### **“Catalytic Conversion of Lignocellulose to Fuels, Chemicals, and Materials”**

Homogeneous and heterogeneous chemical catalysis represent current methods of choice for transforming renewable lignocellulosic feedstocks and molecules derived therefrom into liquid fuels, chemicals, and materials. An advantage of chemical catalysis is the ability to use all the components in biomass, at efficient rates with few steps. This symposium will comprise sessions on lignin utilization and on the carbohydrate conversion. Recently, it has become evident that modular integration of chemical catalysis and biological processing could provide advantages in selectivity and the ability to operate economically on smaller scales than is often required in the chemical industry. This symposium will bring together researchers from the chemistry community, chemical and process engineering, and biological engineering, to exchange ideas and energize new opportunities in the field of sustainable catalysis.”

Topics include but are not limited to:

- Lignin conversion to fuels and chemicals
- Carbohydrate upgrading to liquid fuels and chemicals
- Monomers and polymers from renewable feedstocks
- Biomass-based polymers and materials
- Process design and integration

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