CALL FOR PAPERS

Division of Energy and Fuels (ENFL)
American Chemical Society

263rd ACS National Meeting & Exposition:
March 20-March 24, 2022 | San Diego, CA

Submit abstracts at http://maps.acs.org by October 11, 2021

Catalytic Solvolysis of Lignocellulose and its Derivatives

Nominal Cosponsors: CATL

Lignocellulose, the principal component of woody biomass, is a sustainable feedstock that has the potential to be the largest renewable resource on which we can rely for producing the commodity chemicals and fuels needed for a carbon-neutral society. It is non-edible and is self-produced in large scale world-wide by the plant growth in the biosphere. However, the chemical transformation of lignocellulose only has a limited number of economically successful examples in the history, among them, the pulp process that has long supplied paper products to humanity and more recently 2G biorefineries that produce bio-ethanol from enzymatic hydrolysis and fermentation of cellulose and hemicellulose. Even in both these examples, lignin, a major component of lignocellulose, is poorly utilized (burned for low grade heat). However, over the past decade, there have been major developments in the lignocellulose utilization technologies. It is the goal of the proposed symposium to bring together leading researchers in this area to report and discuss these developments with a focus on efficient utilization of lignocellulose resources.

Organizers

Yongdan Li
Aalto University
Yongdan.li@aalto.fi

Emiel JM Hensen
Eindhoven University of Technology
e.j.m.hensen@TUE.nl

Ning Yan
National University of Singapore
ning.yan@nus.edu.sg

Peter Ford
University of California Santa Barbara
ford@chem.ucsb.edu

ENFL Program Chair for 2022

Anne Co, Ohio State University, co.5@osu.edu
Wei Wang, Aramco Americas, wei.wang@aramcoamericas.com