

# Advanced BioSystems Workshop

## Growing the Bioeconomy in Uncertain Times

Friday, February 12, 2021

– a virtual event –

Plant-based products and fuels have the potential to decrease U.S. dependence on petroleum feedstocks, improving energy security, reducing greenhouse gas emissions, and creating new industries. However, the pandemic and other uncertainties have significantly impacted the industry, from the availability of funds to the ability of businesses to survive.

The 2021 virtual workshop will bring together experts and interested parties from industry, academia, and state and federal agencies to discuss these challenges and brainstorm the technology, research, and government initiatives needed to address them. From these facilitated discussions, we will produce a report that will help entrepreneurs, policy makers, and regulators develop strategies for moving forward.

**Agenda** | 9:00 am – 12:00 pm

### KEYNOTE ADDRESS

#### Developments in Bio-based Materials Markets

Doris de Guzman | *Tecnon OrbiChem/Green Chemicals Blog*

#### Targeting Solutions for Components of the Bioeconomy

Ajay Shah | *Ohio State University*

### BREAKOUT SESSIONS\*

#### Breakout 1: Biobased products and fuel

Facilitated by: Denny Hall, *Ohio State University*

#### Breakout 2: BioSystems logistics from crops to market

Facilitated by: Jill Adelsberger, *Cargill*

#### Breakout 3: Policy and governance

Facilitated by: Alexa Combelic, *American Soybean Association*

*\*See page 2 for descriptions of topics*

#### Summary from each breakout discussion

Facilitators

#### Panel discussion and Q&A

Facilitators and all participants

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### REGISTRATION

**Cost:** \$25 per person | **Online registration:** [Click here](#)

**OR, print and complete this form.** Mail with payment (no credit cards) as indicated.

**Name(s):** \_\_\_\_\_

**Company:** \_\_\_\_\_

**E-mail:** \_\_\_\_\_ **Phone:** \_\_\_\_\_

**Choose breakout session (#1, 2, or 3):** \_\_\_\_\_

**Make checks payable to:** OSU

**Send form and check to:**

Mary Wicks | FABE/OARDC/OSU  
1680 Madison Avenue  
Wooster, Ohio 44691

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## DESCRIPTIONS OF CONCURRENT BREAKOUT SESSIONS:

### Breakout 1: **Biobased products and fuel**

*Facilitated by: Denny Hall, Faculty Emeritus, Ohio State University*

Plant-based materials need to be competitive on both performance and price. Although polls of consumers indicate they are willing to pay more for sustainable products. How can bioproducts and biofuels be more attractive or competitive? How can producers increase their flexibility and resilience, such as ethanol plants producing hand sanitizer when public health concerns increased demand while fuel demand decreased? What is needed to help companies transition from pilot to commercial scale?

### Breakout 2: **BioSystems logistics from crops to market**

*Facilitated by: Jill Adelsberger, Sales Leader, Cargill Inc.*

Improving the efficiency of handling and transporting feedstocks, storage, pretreatment, and distribution can have a significant impact on the value chain of plant-based materials. Increasing flexibility within these systems can allow companies to meet rapidly changing demands, especially in times of crisis (e.g., COVID-19 pandemic). What changes are needed to increase the capacity of farming systems to absorb these shocks? What is needed to help companies identify new opportunities quickly? How might machine learning or other technologies contribute to a more efficient, flexible and robust system?

### Breakout 3: **Policy and governance**

*Facilitated by: Alexa Combelic, Director for Government Affairs, American Soybean Association*

Changing priorities and policies at state and federal levels can affect the direction of the bioeconomy and help bridge the gap from product development to commercial production. What policies are needed to provide a better support framework for both the biofuel and bioproduct sectors? Should governments focus their resources on one sector or both? How can different types of financial support, such as tax incentives, subsidies, or research funding, be used most effectively?

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## ATTENDING THE VIRTUAL CONFERENCE:

You will receive instructions for connecting online and/or by phone approximately one (1) week before the workshop.

When registering, please choose which breakout session you plan to attend as each will have a separate login.

## QUESTIONS?

Contact: Mary Wicks | [wicks.14@osu.edu](mailto:wicks.14@osu.edu) | 330.202.3533

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