

# International Conference on Bioenergy and Biofuel 2026

MARCH 23-25, 2026 | Hilton Boston Back Bay, Boston, USA

Tentative Program

DAY – 1, March 23, 2026

08:30 - 09:15	Registrations
09:15 - 09:30	Opening, Welcome Note by Conference Chair Dr. Blake A. Simmons
	<b>Plenary Talks</b>
	<b>Session Chair: Blake A. Simmons, Lawrence Berkeley National Laboratory, USA</b>
09:30 - 10:00	<b>Plenary Talk: Regenerative Agroenergy Systems: A Reality-Based Approach to Bioenergy and Biofuels</b> Bruce E. Dale, Michigan State University, USA
10:00 - 10:30	<b>Plenary Talk: Economics of Bioproduction and the Supply Chain Design and Policy</b> David Zilberman, University of California, Berkeley, USA
10:30 - 11:00	<b>Plenary Talk: The Future of Biorefining: General Perspectives and a Report from the Field</b> Lee R. Lynd, Co-founder and CTO of Terragria Biofuel Inc, USA
11:00 - 11:30	<b>Coffee Break</b>
11:30 - 12:00	<b>Plenary Talk: Flying the Future: Advances in Aviation Fuels at the Joint BioEnergy Institute (JBEI)</b> Blake A. Simmons, Lawrence Berkeley National Laboratory, USA
12:00 - 12:30	<b>Plenary Talk: Biochar from Biomass and Waste: Fundamentals and Applications</b> Yong Sik Ok, President of the International ESG Association, South Korea
	<b>Biofuels for Transportation: Powering a Low-Carbon Future</b>
	<b>Session Chair: Lee R. Lynd, Co-founder and Chief Technology Officer of Terragria, USA</b>
12:30 - 12:55	<b>Keynote Talk: Catalytic Biographite Production and Techno-Economic Evaluation for Lithium-Ion Battery Applications</b> Sunkyu Park, North Carolina State University (NCSU), USA
12:55 - 14:00	<b>Lunch Break</b>
14:00 - 14:25	<b>Keynote Talk: A New Nitrogen Cycle in Biofuel Agriculture</b> Steven Singer, Lawrence Berkeley National Laboratory, USA
14:25 - 14:45	<b>Invited Talk: Staying Productive Under Pressure: Systems Evaluations of <math>\beta</math>-carotene Production in <i>Yarrowia Lipolytica</i> Under Continuous Fermentation</b> Yinjie J. Tang, Washington University, USA
14:45 - 15:05	<b>Invited Talk: The potential of a Residue-Based Sustainable Aviation Fuel (SAF) Economy in the US Midwest</b> Angela Isabella Scafidi, World Resources Institute, USA
15:05 - 15:25	<b>Invited Talk: From Land To Sea: Converting Food Waste Fermentation to Marine Fermentation</b> Anga Hackula, University of Maryland, USA
15:25 - 16:00	<b>Coffee Break</b>
	<b>Session Chair: TBA</b>
16:00 - 16:20	<b>Invited Talk: Just Add Sea Water: A Biological and Chemical Process for Conversion of Organic Wet-Waste to Fuels, Fertilizers, Epsom Salts, and Esters</b> Smith Pittman, Colorado State University, USA

16:20 - 16:40	<b>Invited Talk: Trends in Global Mitigation Policies: Potential Impact on Biofuel Demand</b> Linda Schmid, Joint BioEnergy Institute, USA
16:40 - 17:00	<b>Invited Talk: Engineering Yield Traits for De Novo Domestication of Biofuels Crops</b> Jennifer C. Fletcher, University of California, Berkeley, USA
17:00 Onwards	<b>Networking Cocktails</b>
<b>DAY – 2, March 24, 2026</b>	
<b>Biomass Supply in Sustainable &amp; Circular Ecomincs</b>	
<b>Session Chair: Yuansheng Hu, UCD School of Civil Engineering, Ireland</b>	
09:30-10:00	<b>Plenary Talk: Foundations for Circular Biomanufacturing: Engineering Energy, Food, Materials and Pharmaceuticals for Life Beyond Earth</b> Adam Paul Arkin, University of California, USA
10:00-10:25	<b>Keynote Talk: Reimagining Biomass Conversion: Pathways to Advanced Fuels, Bioproducts, and Energy Materials</b> Noppadon Sathitsuksanoh, University of Louisville, USA
10:25-10:50	<b>Keynote Talk: Biomimetic Compartmentalization of Catalysts for Bioenergy and the Bioeconomy</b> Cheryl Kerfeld, Michigan State University, USA
10:50 -11:15	<b>Coffee Break</b>
<b>Session Chair: Clay Wheeler, University of Maine, USA</b>	
11:15-11:40	<b>Keynote Talk:Systems Biology Approaches to Strain Engineering</b> Aindrila Mukhopadhyay, Lawrence Berkeley National Laboratory, USA
11:40 - 12:00	<b>Invited Talk: Genome-Engineering of Industrial Diploid Yeast for Lignocellulosic Biofuels</b> Amit Ghos, Indian Institute of Technology Kharagpur, India
12:00-12:20	<b>Invited Talk: Neutron-Enabled Insights into Biomass Pretreatment for Biofuels</b> Hugh Neill, Oak Ridge National Laboratory, USA
12:20-12:40	<b>Invited Talk: Bio-Innovations for a Resilient, Circular Bioeconomy</b> Mary Blanchard, Bio-innovations for a Resilient, Circular Bioeconomy
12:40-13:00	<b>Invited Talk: Biomass Blends for Flexible, Economically Stable, and Scalable Biomanufacturing</b> Nawa Baral, Lawrence Berkeley National Laboratory, USA
13:00 -13:50	<b>Lunch Break</b>
<b>Session Chair: Cheryl Kerfeld, Michigan State University, USA</b>	
13:50-14:10	<b>Invited Talk: Valorization of Lignocellulosic Biomass to Produce Biohydrogen</b> Young Eun Song, Lawrence Berkeley National Laboratory, USA
14:10-14:30	<b>Invited Talk: Innovations in Community Bioenergy: California's Experience, Prospects, and National and Global Implications</b> David Wells Roland-Holst, University of California, Berkeley, USA
14:30-14:50	<b>Invited Talk: Hydrogenases as Enablers of Redox-Driven Biomanufacturing</b> Justin Panich, Lawrence Berkeley National Laboratory, USA
14:50-15:10	<b>Invited Talk: Distillable Amine Solvents Enable Efficient Pretreatment of Diverse Single and Mixed Lignocellulosic Feedstocks</b> Xueli Chen, Lawrence Berkeley National Laboratory, USA



	<b>Session Chair: Edward Baidoo, Lawrence Berkeley National Laboratory, USA</b>
<b>11:30-11:50</b>	<b>Invited Talk: Combined Algae Processing: Progress, Potential, and Pathways Forward</b> Matthew Wiatrowski, National Renewable Energy Laboratory, USA
<b>11:50-12:10</b>	<b>Invited Talk: Kinetic Modeling of Dilute Alkaline Deacetylation for Scalable Lignocellulosic Bioenergy Systems</b> Smith Pittman, Colorado State University, USA
<b>12:10-12:30</b>	<b>Invited Talk: Harnessing the Abiotic-Biotic Interface for CO<sub>2</sub> Conversion</b> Deepika Awasthi, Lawrence Berkeley National Laboratory, USA
<b>12:30-12:50</b>	<b>Invited Talk: Green Power for Data Centers Using Napier Grass Based Biogas-Hydrogen Pathway</b> Ganapathy Arumugam, Enhanced Biofuels and Technologies LLC, USA
<b>12:50 -13:40</b>	<b>Lunch Break</b>
	<b>Comparing Biomass Processing Depots to Supply Large Biorefineries</b> <b>Session Chair: Bruce E. Dale, Michigan State University, USA</b>
<b>13:40-14:00</b>	<b>Invited Talk: Requirements for Biofuels to Replace Crude Oil: Soil Sustainability, Hydrogen and Cellulosic Biomass</b> Charles Forsberg, Massachusetts Institute of Technology, USA
<b>14:00 - 14:20</b>	<b>Invited Talk: Engineering Anaerobic Microbial Systems for Carbon Valorization: From Arrested Anaerobic Digestion to CO<sub>2</sub> Gas Fermentation for Acetate Production (Online)</b> Angana Chaudhur, BSEL, WSU Pullman, USA
<b>14:20-14:40</b>	<b>Invited Talk: Toward Carbon Negativity—Innovative Pathways in Biofuel Systems(Online)</b> Jorge Antonio Hilbert, Energy & Environment Consulting Services, Argentina
<b>14:40-15:00</b>	<b>Invited Talk: Lessons from Organizing Biomass Logistics in Africa: Keep it Simple is the Success (Online)</b> Fabrizio Sibilla, S&C Best, Italy
<b>15:00-15:20</b>	<b>Invited Talk: Decentralized Supply Chains for Electrobiofuels (Online)</b> Chris Saffron, Michigan State University, USA
<b>15:20-15:45</b>	<b>Coffee Break</b>
	<b>Session Chair: Bruce E. Dale, Michigan State University, USA</b>
	<b>Session Chair: Rajas Shinde, Agriculture and Food Development Authority of Ireland, Ireland</b>
<b>15:45-16:05</b>	<b>Invited Talk: Renewable Energy and Circular Animal Agriculture in the U.S (Online)</b> Wei Liao, Michigan State University, USA
<b>16:05-16:25</b>	<b>Invited Talk: Hybrid Electrochemical-Biological Approach to Upcycle Food Waste into Aviation fuel (Online)</b> Beenish Saba, The Ohio State University, USA
<b>16:25-16:45</b>	<b>Invited Talk: Integrated Biorefineries: Maximizing Value from Waste Through Multi-Product Platforms(Online)</b> Jayant Keskar, Enpro Envirotech Pty Ltd, Australia
<b>16:45-17:05</b>	<b>Invited Talk: Green Criminology in Malaysia's Palm Oil Industry: Deforestation, Ecological Footprints, and Corporate Environmental Responsibility (Online)</b> Intan Salwani Mohamed, Universiti Teknologi MARA (UiTM), Malaysia
<b>17:05-17:25</b>	<b>Invited Talk: Sugarcane Biomass Utilization: Technical Potential and Implementation Gaps (Online)</b>

Joaquín Mario Ortiz, National Institute of Agricultural Technology, Argentina

**17:25 - 17:35** Closing