

2nd International Conference on Bioenergy and Biofuel 2026

October 19-21, 2026 | Holiday Inn Singapore Orchard City Centre, Singapore

Tentative Program

DAY – 1, October 19, 2026

09:30 - 09:45	Registrations
09:45 - 10:00	Opening, Welcome Note by Conference Chair Dr. Blake A. Simmons
	Plenary Talks
	Session Chair: Blake A. Simmons, Lawrence Berkeley National Laboratory, USA
10:00 - 10:30	Plenary Talk: Next-Generation Algal Biorefinery: Recent Developments and Emerging Opportunities Pau-Loke Show, UCSI University, Malaysia
10:30 - 11:00	Plenary Talk: Sustainable Fuels and Chemicals from Waste Gillian Goh, A*STAR, Singapore
11:00 - 11:30	Plenary Talk: TBA Blake A. Simmons, Lawrence Berkeley National Laboratory, USA
11:30 - 12:00	Coffee Break
	Session : Biofuels for Transportation: Powering a Low-Carbon Future
12:00 - 12:25	Keynote Talk: Liquid Triphasic System for Biofuels Production from Microalgae Resource Chew Kit Wayne, United Arab Emirates University, Al Ain, Abu Dhabi, United Arab Emirates.
12:25 - 12:50	Keynote Talk: Biomass Gasification and Synthesis of Green Hydrogen-Based Fuels Ming Zhao, Tsinghua University, China
12:50 - 13:10	Invited Talk: Current Status and the Challenges of the Production of Sustainable Aviation Fuels (SAF) Arnaldo Cesar da Silva Walter, University of Campinas, Brazil
13:10 - 14:15	Lunch Break
	Session Chair: Chew Kit Wayne, United Arab Emirates University, Al Ain, Abu Dhabi, United Arab Emirates
14:15- 14:35	Invited Talk: Engineering Crops to Replace Fossil Carbon Karine Chenu, The University of Queensland, Australia
14:35 - 14:55	Invited Talk: SAF technology options: Current status, learnings, choices and implementation Tine Høj Andersen, Topsoe, Denmark
14:55 - 15:15	Invited Talk: Building a Circular Bioeconomy Ecosystem Mary Blanchard, Wisconsin Energy Institute Madison, USA
15:15 - 15:35	Invited Talk: Breakthrough Production Technology for Sustainable Aviation Fuel (SAF) Tat Chuan Goh, Aether Fuels, Singapore
15:35 - 16:05	Coffee Break
16:05 - 16:25	Invited Title: A solvent-mediated biocatalysis for improved lignin conversion in one-pot design: Effect of aprotic and protic solvents on multicopper oxidoreductase. Rokesh R, Galgotias University, India
16:25 - 16:45	Invited Talk : TBA Raghunath K R, Asian Biogas & Biofuels Association, Singapore
16:45 - 17:05	Invited Talk : TBA

17:30 Onwards	Networking Cocktails
	DAY – 2, October 20, 2026
	Biomass to Bioenergy: Enabling a Circular Economy
	Session Chair: TBA
10:00-10:30	Plenary Talk: Biofuels Reimagined: From Biomass and Waste to the Fuels of Tomorrow Rafael Luque, ECOTEC University, Ecuador
10:30-10:55	Keynote Talk: Unlocking a Biomethane Industry in Australia Erik Vandenberg, Growth & Energy Transition Verbrec Ltd, Australia
10:55-11:15	Invited Talk: From Sugars to Sustainable Aviation Fuel Precursors: Building an Escherichia coli Cell Factory for High-Level Free Fatty Acid Production Sung Kuk Lee, Ulsan National Institute of Science and Technology, Korea
11:15-11:35	Invited Talk: TBA
11:35 -12:05	Coffee Break
	Moderator: Gillian Goh, A*STAR, Singapore
	Panel Discussion : Repurposing for Energy Transition and the Next-Gen Biofuel Systems
12:05-13:05	Panelist : Rafael Luque, ECOTEC University, Ecuador
	Panelist : Tat Chuan Goh, Aether Fuels, Singapore
	Panelist : Pau-Loke Show,UCSI University, Malaysia
	Panelist : Arnaldo Cesar da Silva Walter, University of Campinas,Brazil
13:05 -14:15	Lunch Break
14:15-14:35	Invited Talk: Calcium mediated strategy for rapid acidogenic sludge formation with simultaneous improvement in biohydrogen production Rokesh R, Galgotias University, India
14:35-14:55	Invited Talk: Creating Value from Electrons and Pollution: Integrated Electrochemical and Biological Platforms for Biomanufacturing Justin Panich, Lawrence Berkeley National Laboratory, USA
14:55-15:15	Invited Talk: Converting Palm biomass waste to methane Hans J. Hvide, Straits Bio-LNG Pte Ltd, Singapore
15:15-15:35	Invited Talk: Interpretable Machine Learning for Environmental Fate: From Small Molecules to Polymers Huichun (Judy) Zhang, Case Western Reserve University, USA
15:35 - 16:55	Invited Talk: TBA
16:55 -16:30	Coffee Break
	Moderator: Karine Chenu, The University of Queensland, Australia
	Panel Discussion : Biomass Supply Chains: From Farm to Fuel
16:30-17:30	Panelist : Rajesh Sundaresan, Carbon Impact Capital Pte. Ltd, Singapore
	Panelist : Hans J. Hvide, Straits Bio-LNG Pte Ltd, Singapore
	Panelist : Erik Vandenberg, Growth & Energy Transition Verbrec Ltd, Australia
	Panelist : TBA

	Closing
	DAY – 3, October 21, 2026 (Virtual)
	Sustainable Bioenergy & Biomass Utilization
	Session Chair: TBA
09:30-09:55	Keynote Talk: The impact of metabolomics analysis on bioenergy research (Virtual) Edward Baidoo, Lawrence Berkeley National Laboratory, USA
09:55-10:15	Invited Talk: Integrating Electro-Assisted Anaerobic Digestion, Combined Heat and Power, and Thermal Energy Storage: Taiwan and Sweden Scenarios (Virtual) Suraj Negi, National Taiwan University , KTH Royal Institute of Technology, Sweden
10:15-10:35	Invited Talk: Liquid chromatography and mass spectrometry quantification of nitrogenous residues from volatile protic amine pretreatment of lignocellulosic biomass (Virtual) Emine Akyuz Turumtay, Berkeley, United States
10:35-10:55	Invited Talk: TBA (Virtual) Jayant Keskar, Enpro Envirotech Pty Ltd,Australia
10:55-11:15	Invited Talk: Unlocking Australia’s SAF Potential: Feedstocks, Regulation and Pathways to APAC Markets (Virtual) Miro Moss, Haskoning, Australia
11:15-11:35	Invited Talk: Beyond Green Energy: The role of ESG Disclosure in Strengthening Transparency and Sustainable Value Creation in the Bioenergy Sector (Virtual) Intan Salwani Mohamed, Universiti Teknologi MARA (UiTM), Malaysia.
11:35-11:55	Invited Talk: Growing kelp in Alaska for potential biomass production (Virtual) Michael Stekoll, University of Alaska Fairbanks, USA
11:55-12:20	Keynote : TBA (Virtual) Jin Chao, Tianjin University, P.R. China
12:20-12:40	Invited Talk: TBA
12:40-13:00	Invited Talk: TBA
13:00	Closing