



## Applications of Algae in Oil & Gas, Mining, Manufacturing and Energy

### [2017 Algae Biomass Summit](#)

October 30 – November 1, 2017

Grand America Hotel

Salt Lake City, Utah

Microalgae are emerging as a promising technology platform for a growing number of applications in extractive industries, manufacturing and energy. With support from the Department of Energy, algae-based systems for CO<sub>2</sub> mitigation through carbon capture, use and storage (CCUS) are being actively demonstrated at multiple power plants and manufacturing facilities in the U.S. and Canada. Algal systems are also being evaluated for treatment of produced water, mining waste, and other industrial waste streams. And investments by leading energy companies, refiners and other public and private partners are delivering key advances in the production of algae-based transportation fuels and other products and materials.

*Join us for three days of the latest in commercial developments and cutting-edge research results in:*

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Tuesday, October 31, 1:00-2:30pm

#### [Navigating the Dual Role of Carbon as Pollutant and Critical Feedstock](#)

Moderator: **Babetta Marrone**, Los Alamos National Laboratory

**Jacques Beaudry-Losique**, Algenol Biotech - *CO<sub>2</sub> Supply Systems for Algal Biorefineries*

**Everett Eustance**, Arizona State Univ. - *Membrane Carbonation in Algal Cultivation to Improve Capture Efficiency*

**Kyle Poole**, MicroBio Engineering - *Co-location of Algal Facilities with Power Plants for CO<sub>2</sub> Utilization*

**John Benemann**, MicroBio Engineering - *Microalgae Biomass Production on CO<sub>2</sub> from Air*

**Agasteswar Vadlamani**, The University of Toledo - *A Novel Approach for Dewatering Microalgae Cultures*

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Tuesday, October 31, 3:15 - 4:45pm

#### [Striving to Close the Cycle: Role of Algae in the Fossil Fuel and Mining Industry](#)

Moderator: **Ron Sims**, Utah State University - *Petroleum Waste to Algae Biomass in Biofilm Reactors*

**Frederique Belanger-Lepine**, University of Quebec - *Algae Production at an Aluminum Smelter*

**Luisa Corredor Arias**, Montana State University - *Coal Bed Methane Generation with Microalgae*

**Kirsten Sims**, WesTech-Inc. - *Algae-Based Treatment of Gold Mine Wastewater*

**Jonathan Wood**, Utah State Univ. - *Produced Water from Fracking as Platform for Algae Cultivation*

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Wednesday, November 1, 8:00 – 9:30am

**Industry Leaders: Commercial Progress in Carbon, Water and Fuels**

Moderator: **Albert Vitale**, Commercial Algae Professionals

**David Hazlebeck**, Global Algae Innovations – *Algal Carbon Capture System at a Petroleum Power Plant*

**John Benemann**, MicroBio Engineering – *Results from the Orlando Utilities Commission Pilot Project*

**Dave Meyer**, LanzaTech – *Microbial Carbon Capture and Recycling at Steel Mills and Refineries*

**Eric Moellering**, Synthetic Genomics – *The Biotech Breakthrough that Doubled Algae Oil Yield*

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Wednesday, November 1, 10:45am - 12:15pm

**PLENARY SESSION – Nutrient Recycling: Cashing in on Carbon, Nitrogen, and Other Nutrients and Turning Environmental Mitigation into Economic Opportunity**

**Mark Allen**, Accelergy Corporation

**Rob Teegarden**, Orlando Utilities Commission

**Mark Edwards**, Sustainable Phosphorus Alliance

**Dal Wayment**, South Davis (Utah) Sewer District

**TBD**, Center for Carbon Removal [invited]

**Ticket Options**

**Discounted Full Summit Admission for Energy and Extractive Industry Professionals –**

**Only available through September 27:**

**\$895**

Full Summit Admission after September 27:

\$1495

Register at: [Algae Biomass Summit Registration](#).

To receive the discounted price of \$895<sup>1</sup>:

Select the *Algae Biomass Summit General Admission ticket*. On the payment page, enter the Promo Code: **EnergyPro-SLC17** and click on *Apply* to update the price to \$895 before completing your registration to the confirmation page.

<sup>1</sup>Registrations must be completed **by September 27** to receive this special pricing offer.