

2ND US MICROALGAE INDUSTRY SUMMIT 2020

10-11 NOVEMBER 2020 / ORLANDO, FLORIDA

Economically Viable Strategies for the Further Development of Algae Businesses

KEY TOPICS:

- Microalgae Industry Overview
- Marketing Algae Products
- A Discussion on Microalgae Business Development
- Exploring the Latest Technical Developments for the Industry
- Microalgae in Human Nutrition
- Microalgae Solutions for Climate Change
- Microalgae in Wastewater Treatment
- Developing Economically Efficient Algae Production
- Algae in Cosmetics and Colorants
- Algae Biostimulants and Biofertilizers
- Developments for Microalgae in Animal Nutrition and Feeds

SUPPORTING PARTNER



COMMERCIAL OPPORTUNITIES:

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MORE INFORMATION OR REGISTRATION:

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ACI's 2nd US Microalgae Industry Summit will take place on the 10th and 11th of November, 2020. The event will bring together key players from the industry to discuss the latest technical developments, challenges and research breakthroughs across the microalgae value chain.

The two day event will not only give the participants an insight on the current challenges and opportunities the industry is facing but also provide the opportunity to network and discuss solutions to keep the industry thriving

Topics for Discussion:

- A Microalgae Industry Overview
- Marketing Algae Products
- Business Development for Microalgae Companies
- Exploring the Latest Technological Developments for the Industry
- Microalgae in Human Nutrition
- Algae Solutions for Climate Change
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Join us in Orlando, Florida, the city host for the
2nd US Microalgae Industry Summit

Who Should Attend:

Microalgae cultivation plant owners and operators, algae end market users, leading algae/biomass research institutes, technology providers for cultivation, harvesting, dewatering, drying, oil extraction and processing, plant engineers and constructors, market analysts and consultants, biofuel producers and green energy & biotech investors.

Commercial Opportunities:

For information on available sponsorship and commercial opportunities, please contact:

Hubert Sosnowski

Tel: +48 616 46 70 59 or

Email: hubert@acieu.net



For Speaking Opportunities:

If you would like to be considered as a speaker at the event for a 30 to 45 minutes presentation, please contact:

Mateo Wiegold

Tel: +44 (0) 203 141 0649 or

Email: mwiegold@acieu.net


Registration is Simple:

If you would like to register for this event or wish to find out more information, you can contact Adamantia (Mado) Lampropoulou by using any of the following methods:

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 10 Gough Square, London, EC4A 3DE, UK

DAY 1

Wednesday 10th November 2020

08:00 **REGISTRATION & COFFEE**

09:00 **CHAIRMAN'S OPENING REMARKS**

09:15 **SESSION ONE**

A Microalgae Industry Overview

- What is holding the industry back in the US and what can be learned from previous successes and failures?
- Where is the industry heading and potential areas for growth on the United States and other regions
- The shift from biofuels: looking into more viable applications
- Updates on current US legislation for the algae business



Ike Levine
Professor, Natural & Applied
Sciences
University of Southern Maine

Financing Your Innovative Algae Project: Lessons Learned from Project Financing other First-of-a-Kind Technologies



Matt Lucas
Marketing Director, Business
Development
New Ennergy Risk

10:15 **Panel Q&A**

10:30 **CONFERENCE PRESENTATION**

Marketing Algae Products

- Strategies to educate the public on the benefits of algae
- How can the supply chain work together to ensure transparency for the consumer
- Making the most of sustainable and consumer trends to improve public perception and awareness
- Marketing and positioning algae companies and products

11:15 **MORNING REFRESHMENTS**

11:45 **PANEL DISCUSSION**

Business Development for Microalgae Companies

- Understanding required core competencies
- Identifying and engaging strategic investors
- Charting a path forward to success
- In depth look into best business models to attract funding and investments
- How can companies successfully cooperate to develop the industry
- Moving from R&D and pilot plants to commercial production facilities



Syed Isa Syed Alwi
CEO
Algaetech Group of Companies

13:15 **LUNCH**

14:15 **CONFERENCE PRESENTATION**

Exploring the Latest Technological Developments for the Industry

- Join us in Session Two for an in depth look into technologies and processes for algae production, life-cycle analysis, harvesting and extracting



Ryan Hunt
Chief Technology Officer
Algix

15:00 **CONFERENCE PRESENTATION**



Peter Moeller
Program Leader Toxin/Natural
Products Chemistry
NOAA

15:45 **AFTERNOON REFRESHMENTS**

16:15 **SESSION TWO**

Microalgae in Human Nutrition

16:15 **Developing finished algae based products
for human and animal nutrition**

- Evaluating algae attributes and how it relates to consumer demand
- Human nutrition product development
- Animal nutrition product development



Larry Dressler
CEO
Agcore Technologies

16:45 **Stabilization and cost-effective purification of
C-phycoyanin from genetically engineered
Arthrospira Platensis**

- C-Phycocyanin is the natural, water-soluble, most abundant blue accessory photosynthetic pigment of the phycobiliprotein family found in the phycobillosomes of the filamentous, alkaliphilic *Arthrospira platensis* (*Spirulina*) cyanobacterium.
- C-Phycocyanin has many applications in food, beverages, textiles, cosmetics, and medical diagnostic applications, but it is an unfortunately unstable protein in aqueous solution and is highly sensitive to heat, acidity, proteases, UV light, oxygen, moisture, trace metal ions, low ionic strength, and oxidants like ascorbic acid.

- Spira, Inc, a food ingredient company, is working to engineer a more stable and easy to purify C-phycoerythrin and has developed novel methodologies for the genetic engineering of *A. platensis* to enable this.



Pierre Wensel
CSO
Spira Inc.

17:15

- Algae as a high value functional food and it's usages for nutrition
- New products developments and strategies for algae based foods
- Challenges in registration of nutraceutical and food products in the US

17:45

Panel Q&A

18:05

CLOSE OF DAY ONE

DAY 2

Thursday 11th November 2020

08:30

REGISTRATION & COFFEE

09:00

CHAIRMAN'S OPENING REMARKS

09:05

KEYNOTE PRESENTATION

Give Microalgae a Chance: Sustainable Biotechnological Approaches towards the Development of an Edible SARS-COV 2 Vaccine

- Gaining a better understanding of genetic engineering strategies used in large-scale cultivation of microalgae.
- Assessing the use of polypeptides in medical applications and their potential the development of an edible vaccine against SARS-COV 2.
- Streamlining sustainability approaches in potential medical applications of microalgae.



Dr Edoardo Andrea Cutolo
PostDoc Researcher
University of Verona

09:50

SESSION THREE

Microalgae Solutions for Climate Change

Microalgae vs Climate Change: Sustainably Addressing the Major Global Challenge to Humankind

- Microalgae terraformed Earth resulting in the formation of the atmospheric composition we enjoy today
- Microalgae changed planetary climate and temperature 2 billion years ago
- Microalgae represent the most efficient and effective tool to combat and reverse Climate Change



David D. Ramjohn
CEO
Algeternal Technologies, LLC

- Latest developments in microalgae applications for carbon capture
- Market Trends and updates



Tryg Lundquist
CTO
MicroBio Engineering

10:50

Panel Q&A

11:05

MORNING REFRESHMENTS

11:35

CONFERENCE PRESENTATION

Developing Economically Efficient Algae Production

- Growth platform options – phototrophy vs heterotrophy
- Comparing different methods of algae production
- Overcoming scale-up challenges



Valerie Harmon
CEO
Harmon Consulting, Inc.

12:20

CONFERENCE PRESENTATION

Innovative and Sustainable Cosmetics from Microalgae

- Microalgae are a vast resource of specialty ingredients with a host of bioactivities attractive to the personal care industry
- Microalgae are found thriving in extreme environments that shape the attributes of a range of compounds with potential applications in personal care products
- The same compounds that protect microalgae from reactive oxygen species, desiccation, UV radiation, extremes of salinity, pH, and temperature can bring benefits to skin care formulas
- Microalgae represent an industrial production platform with many sustainability benefits and potentially significant yield improvements over wild harvest macroalgae



William Porubsky
Chief Research Officer
Algenol Biotech LLC

13:05

LUNCH

14:05 **SESSION FOUR**
Microalgae in Wastewater Treatment

- Technologies and processes to recover nutrients from municipal wastewater
- In depth analysis of implementation of wastewater treatment through microalgae
- Generating revenue through specialty chemicals



Dr Martin Gross
President & Founder
Gross-Wen Technologies



Ruth Spierling
Research Engineering
MicroBio Engineering

15:05 **Panel Q&A**

15:20 **CONFERENCE PRESENTATION**
Microalgae in Biostimulants, Biofertilizers and Animal Nutrition

- In depth exploration of the role of microalgae in soil regeneration
- Opportunities in using algae as a solution provider for agriculture
- Latest developments in algae-based soil treatment
- Algae as a sustainable protein source for livestock and aquaculture
- Challenges and opportunities for feed application
- Algae role in developing a sustainable agro-economy

16:05 **CHAIRMAN'S CLOSING REMARKS**

16:15 **END OF CONFERENCE**

Don't miss the opportunity to learn about the latest developments in the microalgae industry!



*Join us in Orlando for the 2nd edition of our
US Microalgae Industry Summit!*



2nd US Microalgae Industry Summit 2020

Orlando, Florida, USA

10th—11th
November
2020

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10 Gough Square, London, EC4A 3DE, UK

Pricing

Conference (Includes Documentation Packet) 10th & 11th of November 2020	\$2,395.00
Documentation Packet Only	\$615.00

Please Note.

Members and customers of all supporting organizations are entitled to a discount off their conference package.

For more information please call +44 20 3141 0607

Documentation Packet Available

We are selling the US Microalgae Industry Summit papers at just \$615.00. Simply tick the box on the booking form, send it with payment and your copy will be on its way to you after the meeting. This important manual will be a source of invaluable reference for the future.

About ACI

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