

4TH ALGAE WORLD ASIA

15-16 Nov 2011 / Beijing
Novotel Beijing Xinqiao

- Register Me Send sponsorship details
 Exhibitors Speaker

Name _____
Position _____
Company _____
Email _____
Address _____

Tel _____ Fax _____

Per Person Fee for:	
Conference	(USD) 1495.00
Regular Fee for 1	1495.00
Group Fee for 3 or more	1195.00
Site Visit	(USD) 100.00
Site Visit: 16 Nov (per person)	100.00

Special Fees* available for Full-time Academics
*Contact us for more details *

TO REGISTER

Online: www.cmtevents.com
Email: delaine@cmtsp.com.sg
Fax: (65) 6345 5928 Tel: (65) 6346 9132
Post to: 80 Marine Parade Rd #13-02
Parkway Parade, Singapore 449269

CUSTOMISED SPONSORSHIP PACKAGE

This event is an excellent platform to promote your organization to influential players and investors in the industry. Sponsorship opportunities available include **Corporate, Exclusive luncheon & Cocktail sponsor.** Exhibition / catalogue display can be arranged upon request. Contact cynthia@cmtsp.com.sg



Program details published herein are confirmed as at 28/10/2011. Please visit <http://www.cmtevents.com/main.aspx?ev=111143> for latest information on speakers & topics.

Simultaneous Translation in English ↔ Chinese

DAY 1 – 15th Nov 2011, Tuesday

- 08:00 Registration and Coffee
- 09:00 Chairman's Introduction
- 09:10 **Commercialisation of the Floating PBR Systems**
*Miguel Verhein, Executive Director
Algalos Renewables SL*
- 09:40 **Advancements in Large Scale Production Systems at Significant Cost Reductions**
*Prof. Dr. Ira Levine, Chief Scientific Officer
Phyco Biosciences*

10:10 Discussion followed by Coffee

Developments in Asia

- 10:40 **Capturing Flue Gas Emissions from Coal Power Plant for Microalgae Production**
*Dr. Minsheng Liu, Director, Bioenergy Institute
ENN Science & Technology Development Co. Ltd.,
ENN Group*
- 11:10 **Current Status of Algal Business in Korea & Prospects**
*Prof. Yang Ji-Won, Professor
Korea Advanced Institute of Science and Technology
(KAIST)*

- 11:40 **Indonesia Algae Project – Demonstrating CO₂ Sequestration Using Algae Integrated Management System**
*Syed Isa Syed Alwi, Chief Executive Officer
Algaetech Sdn Bhd*

- 12:10 **Roadmap Development of Algae Industry in Japan and Keys to Success**
*Osamu Miyashita, Managing Director
J-Phoenix*

12:40 Discussion followed by Lunch

- 14:00 **Applications of Algae for in High End, Nutritional Products including Cosmetics, Health/ Pharmaceutical Products and Animal Feed - A Chinese Producer Perspective**
*Tang Jie, Managing Director
AlgaNovo International Co., Ltd.*

- 14:30 **Developing Economically Feasible Algal Integrated System to Capture CO₂ from Power Plants**
*Prof. Ami Ben Amotz, Chief Scientific Adviser
Seabiotic Ltd / The National Institute of Oceanography*

- 15:10 **Large Scale Cultivation of MicroAlgae in Diverse Wastewater for Wastewater Treatment and Biofuels Production**

- Using photosynthesis to treat wastewater and produce biofuel feedstock
 - Nutrient removal and nutrient recycling
 - Strains that work well in wastewater treatment
 - Retrofitting existing treatment plants to make use of algae-biofuel production
 - Process costs
 - Bio-flocculation to harvest algae and control effluent quality
 - Flue gas as carbon supplement and processing harvested biomass for on-site biogas production via anaerobic digestion
- Dr. Tryg Lundquist, Associate Professor
California Polytechnic State University Cal Poly*

15:40 Discussion followed by Tea

- 16:10 **Protection of Intellectual Property on Clean Technologies in China**
*Stacy Baird, Executive Director- Intellectual Property Program
US-China Clean Energy Forum*

- 16:40 **Commercial Viability of Algae Investment - Economic Analysis Cost Structure of Production & Processing**
*Shrikanth S, Team leader - Banking and Financial Services- Global
Frost & Sullivan India*

17:10 Discussion followed by Close of Day 1

DAY 2 – 16th Nov 2011, Wednesday

08:30 Chairman's Introduction

- 08:35 **Algae Valorizations: Animal, Vegetal Feed and Health**
*Hervé Balusson, President, CEO
SA Olmix*



- 09:00 **Heterotrophic Cultivation of Microalgae for Bioenergy and High-Value Products**
*Prof. Dr. Steven Feng Chen, Chair Professor / Director -
Institute for Food & Bioresource Engineering
Peking University*

- 09:40 **Algal Biomass as a Substitute/Replacement for Fish Meal**
- Challenge in finding the right algal strains, culturing and developing a consistent supply of a high quality protein that can be used in aquaculture
 - Size & nature of market, what this material will have to cost and its nutritional composition
- Dr. Stephen G. Newman, President and CEO
AqualTech Inc.*

10:10 Discussion followed by Coffee

10:40 Challenges for Algae in Animal (Non-Aquatic) Feed

- Can algae be an alternative protein source for animal feeds?
 - Costs economics
 - Nutritional content, digestibility
- Keith Filer, Research Manager
Alltech*

- 11:10 **Extraction, is it Really All That it is Cracked Up to be?**
*Bill Charneski, Senior Director - Product Engineering
OriginOil Inc*

- 11:40 **Enriched Microalgae Biomass to Face Selenium Deficiency**
*Dominique Duvauchelle, President Directeur General
Eco-Solution*

- 12:10 **Open-Pond Algal Biomass Production: Lessons from Nature and Nurture**
*Dr. Amha Belay, Sr. Vice President / Chief Technology Officer
Earthise Nutritionals LLC*

- 12:40 Final Discussion. Close of Conference followed by Lunch

Optional Site Visit - ENN International Algae Facility in Langfang

13:30 Gather at lobby and board the bus for visit to ENN International algae facility

14:30 Arrive ENN - Langfang

Duration of Tour - From 14:30 - 16:00

Information on ENN and site visit
ENN is a fast-growing Chinese energy company. The 24,000 employee, 4 US\$ billion company, is heavily involved in the energy business and developing technology to pass carbon dioxide through algae to help reduce China's greenhouse gas emissions from their coal power plants that currently provide 70% of the electrical energy needs of the country.

Coal is first gasified in a simulated underground environment. The carbon dioxide is extracted with the help of solar and wind power, then "fed" to algae, which can be then used to make biofuel, fertiliser or animal feed. The site visit is in Langfang, an hour's drive from Beijing.

It will include a tour of the laboratory where a team of scientists are testing microalgae to clean up the back-end of a uniquely integrated process to extract and use coal more efficiently and cleanly than is possible today. It's part of a joint venture between ENN and Duke Energy, the largest US public utility.

The tour will also include a visit to the bioreactors, which you will also get a chance to see the greenhouse filled with walls of clear glass tubing through which the green sludge circulates.

16:30 Participants leave the site

17:30 Bus arrives back to hotel

Fee: USD100 (per person)