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)
Regular Fee for 1	1495.00
Group Fee for 3 or more	1195.00

Site Visit	(USD)
Site Visit: 16 Nov (per person)	100.00

Online Payment Discount (per person)	(USD)
Pay By 14 Oct 2011 with	
VISA	-70.00
AMEX	-50.00

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

Centre for Management Technology®
into our 28th year

Program details published herein are confirmed as at 08/09/2011. Please visit http://www.cmtevents.com/main.aspx?ev=111143 for latest information on speakers & topics.

DAY 1 – 15th Nov 2011, Tuesday

08:00 Registration

09:00 Chairman's Introduction

09:10 **Commercialisation of the Floating PBR Systems**
Miguel Verhein, Executive Director, ***Algasol Renewables***

09:40 **Advancements in Large Scale Production Systems at Significant Cost Reductions**
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**
Prof Liu Min Sheng, Director, ***Bioenergy Institute, ENN Science & Technology Development Co. Ltd., ENN Group***

11:10 **Current Status of Algal Business in Korea & Prospects**
Dr Ji-Won Yang, CEO, Advanced Biomass R&D Center
Professor, Dept of Chemical and Biomolecular Engineering
KAIST (Korea Advanced Institute of Science and Technology)

11:40 **Indonesia Algae Project – Demonstrating CO_2 Sequestration Using Algae Integrated Management System**
Syed Isa Syed Alwi, CEO, ***AlgaeTech***

12:10 **Recent Developments and Research on Microalgae to Biofuels in Japan**

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**
- Extraction techniques to the highest quality - challenges in maintaining quality control & superior hygiene

Jie Tang , CEO, ***Leili Group***
Vice President Of ***China Seaweed Industry Association***

14:30 **Developing Economically Feasible Algal Integrated System to Capture CO_2 from Power Plants**
Prof. Ami Ben-Amotz, Chief Scientific Adviser
Seambiotic, Israel.

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

Professor Tryg Lundquist, Environmental Engineering,
California Polytechnic State University

15:40 Discussion followed by Tea

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

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

17:10 Discussion followed by Close of Day 1

DAY 2 – 16th Nov 2011, Wednesday

08:30 Chairman's Introduction

08:40 **Heterotrophic Cultivation of Microalgae for Bioenergy and High-Value Products**
Prof. Steven Feng Chen, Chair Professor & Director,
Institute for Food & Bioresource Engineering, College of Engineering, Peking University

09:10 **High Density Fermentation of Microalgae Chorella in Bio-Reactor**
Prof Qingyu Wu, ***Tsinghua 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 /CEO, ***AqualnTech 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
Asia Pacific Biosciences Center, ***Alltech***

11:10 **Extraction, is it Really All That it is Cracked Up to be ?**
Paul Reep, Chief Technology Officer, ***Origin Oil***

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

12:10 **Open-Pond Algal Biomass Production: Lessons from Nature and Nurture**
Amha Belay, Founder, ***Earthrise Nutritionals***

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