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Parry Nutraceuticals, India
Earthrise Nutritionals LLC
Green Diamond Co. Ltd., Thailand
Varicon Aqua Solutions Ltd, UK
Ben-Gurion University of the Negev, Israel
Celadon Capital (Malaysia) Sdn Bhd
Frontier Investment and Development Partner
Supreme Biotechnologies Ltd., NZ
Indian Oil Corporation Ltd - Research & Development Center
National Prawn Company
Kasetsart University
Murdoch University, Australia
Solution Recovery Services
University of Tsukuba, Japan
Xinao Science & Technology Development Co. Ltd, ENN Group
Rhodes University, South Africa
Algal Fuels Consortium, Australia
Varicon Aqua Solutions Ltd
Universiti Tunku Abdul Rahman, Malaysia

2ND ALGAE WORLD ASIA

29 September - 1 October | Thailand
Swissotel Nai Lert Park Bangkok

*Expanding Algae Markets with
Technology Advances*

promotion partners



Day 1 - Tuesday, 29 September

8:00 Registration and Coffee/Tea

9:00 Chairman's Welcome & Introduction
*Nicholas C Ashby, Founder & CEO
Celadon Capital (Malaysia) Sdn Bhd*

9:10 **Considerations & Challenges of Managing Large Scale Algae Farm**
*Dr. Sebastian Thomas, CEO
Parry Nutraceuticals, India*

9:45 **Microalgae Farms: Opportunities and Challenges**
*Dr. Amha Belay, Sr. Vice President/Chief Technology Officer
Earthrise Nutritionals LLC*

10:20 **Thailand's Experience in Cultivating Spirulina and It's Outlook as Nutritional Supplement**
*Jiamjit Boonsom, CEO
Green Diamond Co. Ltd., Thailand*

10:50 Discussion followed by Refreshments

11:30 **Microalgae Production Challenges & Opportunities**
*Joe McDonald, Managing Director
Varicon Aqua Solutions Ltd, UK*

12:00 **Comparison of Open Pond and Closed Photobioreactor**
*Martin Mohr, Managing Director
Ecoduna, Austria*

12:30 Discussion followed by Lunch

14:00 Chairman's Remarks
*Mahesh Shah, Chairman
Supreme Biotechnologies Ltd*

14:05 **Roundtable Discussion: Finance & Investment**

- What are the different ways to finance an algae project during recessionary period?
- How to attract investment?
- Risk appetite of financier/investor
- What factors are critical in making a decision to fund a deal?
- What should management teams know before seeking funding?

*Panellists include: Nicholas C Ashby, Founder & CEO
Celadon Capital (Malaysia) Sdn Bhd*

*Marvin Yeo, Managing Partner
Frontier Investment and Development Partner*

14:35 **Challenges in Up-Scaling Industrial Microalgae Production**

*Prof. Dr. Sammy Boussiba
Head of Microalgal Biotechnology Laboratory,
Jacob Blaustein Institute for Desert Research
Ben Gurion University of the Negev, Israel*

ALGAE'S ROLE & APPLICATIONS

15:05 **Lipid Productivity and CO₂ Mitigation Potential of Chlorella Isolates from Hydrocarbon Contaminated Water**
*Dr. Manoj K. Upreti, Senior Research Officer (Biotechnology)
Indian Oil Corporation Ltd - Research & Development Center*

15:05 Discussion followed by Refreshments

15:35 **Marine Agriculture: Phytoplankton Systems as Paradigm Change for a Sustainable World**
*Dr. Bernd Kroon, Head of Marine Agriculture
National Prawn Company*

16:05 **Integrated Aquaculture with Seaweed for Recovering Coastal Environment and Production of Co-Products Feed and Bio-Energy**
*Dr. Anong Chirapart, Associate Professor
Department of Fishery Biology
Kasetsart University*

16:35 **Algal Value Chain – Identifying Alternative Revenue Streams**
*Paul Collins, Director of Operations
Supreme Biotechnologies Ltd., New Zealand*

17:05 Discussion followed by End of Day One

1715-1815 hrs. *Networking Reception*
for Speakers & Delegates

Day 2 - Wednesday, 30 September

9:00 Chairman's Remarks
*Joe McDonald, Managing Director
Varicon Aqua Solutions Ltd*

ALGAL BIOENERGY ROUNDTABLE

9:05 **Growing, Harvesting, Dewatering & Extraction: Getting the Whole Process Right**

- For efficient and cost effective production of algal biofuels, the whole process must be optimised and all steps are interrelated
- The nature of the algae species dictates the harvesting and dewatering process which can be used
- As the water must be recycled the harvesting options are limited
- The oil extraction process will affect the degree of dewatering required

*Prof. Michael A. Borowitzka, Biofuels Manager of Renewable Energy Research Institute/Head, Algae Research
Murdoch University, Australia*

9:35 **Economic Feasibility of Oil Extraction and Purification from Algae Biomass**
*Kevin Drumm, Business Development Director
Solution Recovery Services*

10:05 **Botryococcus's Potential for Biofuel Production**
*Dr. Iwane Suzuki, Associate Professor
Graduate School of Life and Environmental Sciences
University of Tsukuba, Japan*

10:35 Discussion followed by Refreshments

11:05 **Feasibility and Technology of Algal Biodiesel Production Using CO₂ from Flue Gas**
*Dr. Minsheng Liu, Director, Bioenergy Institute
ENN Science & Technology Development Co. Ltd.,
ENN Group*

11:35 **Waste-Water Based Algae-Energy-System**
*A. Keith Cowan, Professor and Director
Institute for Environmental Biotechnology
Rhodes University, South Africa*

12:05 **Biorefinery Approach for Algal Biofuels and High Value Co-Products**
*Assoc Prof Rob Thomas, Chair
Algal Fuels Consortium, Australia*

12:35 Discussion followed by Lunch

13:45 Chairman's Introduction
*Prof. Michael Borowitzka, Biofuels Manager of Renewable Energy Research Institute / Head, Algae Research
Murdoch University*

13:50 **Roundtable Discussion: Algal Biofuels - Road to Full-Scale Commercial Operation**

- How to achieve target production costs?
- Transitioning from pilot test to commercial production - How to avoid the "Valley of Death"
- What business models will give appropriate returns?
- Project development risks and challenges
- Vertical Integration or Geographical Expansion?
- Technology Licensing or International Partnerships?
- Forming strategic partnership in the value chain

Panelists: Joe McDonald, Avigad Vonshak, Keith Cowan, Rob Thomas

R&D ROUNDTABLE: OPTIMISING ALGAL PRODUCTION & PROCESSING

14:30 **Increasing Productivity and Reducing Production Cost of Algal Biomass - What Will It Take?**

Prof. Avigad Vonshak, Director
J. Blaustein Institutes for Desert Research
Ben-Gurion University of the Negev, Israel

15:00 **Production of Microalgae Biomass Using Multiple Level Raceway**

Tian Kian Wee, Researcher
Universiti Tunku Abdul Rahman, Malaysia

15:30 Final Discussion followed by Closing Tea

16:00 End of Conference

Day 3 - Thursday, 1 October

Optional Site Visit to Spirulina Farm in Chiang Mai
(additional fee applicable)

NOTE: Delegates are required to make own travel arrangement to Chiang Mai. On-land itinerary as per below

- 12:00 Pick up from Royal Princess Chiangmai Hotel (112 Chang Klan Road, Chiang Mai 50100)
- 13:00 Arrive at Boonsom Spirulina Farm followed by Lunch
- 14:00 Tour of farm
- 15:00 Q&A
- 15:30 End of Site Visit
- 15:35 Depart for Royal Princess Chiangmai Hotel and Chiangmai Airport

Limited capacity; Registration for the site visit close on Sep 11 or once the maximum capacity is reached

CMT's **ALGAE**^{2ND}_{WORLD ASIA 2009} addresses the pertinent issues relating to large-scale commercialisation of algae production.

Top international panel of experienced cultivators and renowned algal biotechnology scientists to address technical, commercial and financial challenges of algae production.

2nd Algae World Asia looks at a broad-range of algae applications including the high value products for human and animal nutrition, algae's role in carbon capture and recycle, and bioremediation, to highlight the opportunities in these areas. The conference also looks beyond the hype around algal biofuel and offer realistic approaches on making it happen.

2nd Algae World Asia explores upcoming opportunities in Asia and spotlights Asia's successful Algae businesses to give you the necessary edge to maximise the potential of your algae business.

Whether you are an entrepreneur looking for new investment opportunity, or existing algae stakeholder who wants to expand your business horizon, attending **2nd Algae World Asia** equips you with essential knowledge and the latest industry update.

With over 6 hours of networking time built into the program, you will meet influential people that can advance your algae venture.

Attend 2nd Algae World Asia and benefit from the following sessions:

- Focus on Algae's commercial viability and applications in: *Health & Nutrition, Aqua & Animal Feed, Biodiesel, Bioethanol, Power Generation, Carbon Capture & Recycle, Waste Water Treatment*
- Case Studies of Algae Production in Asia
- Viable business model for mass algae production
- Adoption of best practices in Production, Harvesting, Downstream Processing
- Technical and Financial constraints, and new Solutions to overcome them
- Pathway to commercialization of Algal Biofuel
- R&D in
 - Cultivation Facility Design and Operation
 - Increasing Productivity and Lowered Cost
 - Algal Harvesting, Extraction & Processing

Sign up today with your team and secure seats at Asia's premier Algae conference. You can register online or contact sasha@cmtsp.com.sg.

CMT's Algae World – Premier Algae Forum in Asia, Proven Record of Excellence

If you have missed the previous events in Singapore and Rotterdam, be sure to join us this year in Bangkok and become part of the privileged Algae World alumnus who has benefited from the Highly Rated Algae Forum!

"Very informative, inspiring, insightful, interactive and truly rewarding. A quality forum and rich experience for all participants" ~ Vice President, PTT Public Co. Ltd. (Thailand)

"An exceptional broad view of algae diversity and end-products" ~ POS Pilot Plant (Canada)

"A first-class networking event, with highly relevant insights from leading experts in the field" ~ Renewables East (UK)

For a newbie in the Algae Industry like me, Algae World provided technical information needed and the business experience of other experts.

~ Sales and Marketing Director, National Feedlot Corporation (Malaysia)

Program topics, speakers and schedules listed herein are confirmed as at printing time. Please refer to the event's Latest Schedule at <http://www.cmtevents.com/eventschedule.aspx?ev=090914&> for most up-to-date details.



AIR MAIL

Please fax us the completed registration form

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 By Email: sasha@cmtp.com.sg By Tel: 65-6346 9124

FEEs

The full Registration Fee includes cost of all sessions, luncheon, coffee/tea & documentation.

Conference Fee for 1 Person	Conference Fee for 3 or more* (from the same company)
USD1,495	USD1,195 (MIN SAVINGS OF USD900)
Site Visit USD50 / person (Registration close on 11 Sep)	

* Terms and conditions apply.

Cancellations, Refunds & Transfers: A full refund will be promptly made for all written cancellations 3 weeks before the meeting. Thereafter, cancellations are not refundable. A substitute may be made at any time.

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TT must include additional USD21 for Beneficiary's Bank charges. Delegates must bear all bank charges and local taxes (if applicable). Fees must be NETT of ALL charges.

CONFERENCE VENUE

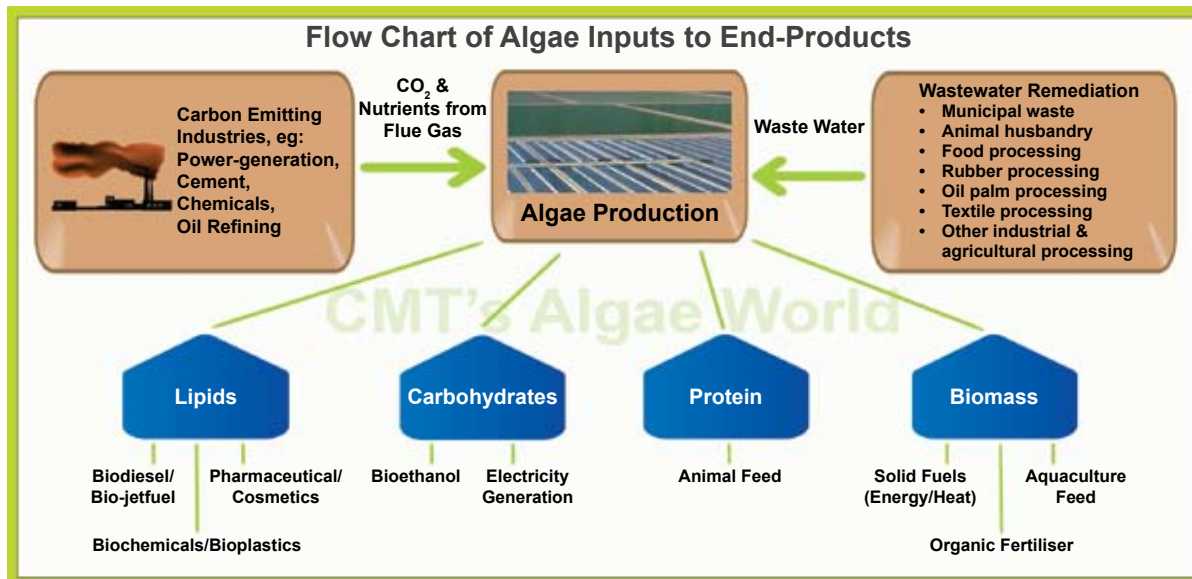
CMT has arranged special discounted room rate at THB 3200 / THB 3800 (Single/Double) + 10% Service Charge + 7% Government Tax per room per night including daily buffet breakfast (subject to room and rate availability) for delegates at **Swissotel Nai Lert Park Bangkok**. Please complete Hotel Reservation Form, which is emailed together with invoice, providing full credit card number and expiry date & fax/email completed form directly to:
 Ms. Sirikhwan Sonthiphakdee, Reservation Manager
Swissotel Nai Lert Park Bangkok
 2 Wireless Road, Bangkok 10330, Thailand
 Tel: 66 2 2530123 Fax: 66 2 2557491
 Email: Sirikhwan@nailertpark.swissotel.com and reservations@nailertpark.swissotel.com
 Cut-off date: 10 September 2009

CHIANGMAI HOTEL DETAILS:

For delegates who are participating in the site visit and wish to stay overnight in ChiangMai, CMT has arranged special discounted room rate at THB 1413 nett (Single) per room per night only (subject to room & rate availability) at **Royal Princess ChiangMai (PICK-UP POINT)**. Please reserve your room with the hotel directly, providing full credit card number & expiry date to:
 Mr Kraiwit, Manager
Royal Princess ChiangMai
 112 Chang Klan Road, ChiangMai 50100, THAILAND
 Tel: 66 53 281033 Fax: 66 53 253989
 Email: dpcm@dusit.com

For daily flight information from Bangkok to ChiangMai, please visit Thai Airways (<http://www.thaiair.com>) or Bangkok Airways (<http://www.bangkokair.com>)

Flow Chart of Algae Inputs to End-Products



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