

ALGAE

WORLD AUSTRALIA

16-17 Aug 2011 / Townsville, Queensland
Rydges Southbank Townsville Convention Ctr

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Regular Fee: AUD1395.00 Group Fee (3 or more): AUD1195.00

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Site Visit: 17 Aug (per person) AUD75.00

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DAY 1 - 16 August 2011, Tuesday

08:00 Registration & Coffee

09:00 Chairman's Opening Remarks

09:10 Towards a Knowledge Management System for Algal Biofuels and Bioproducts in Australia

- Where do algae grow best in Australia?
- Evaluation of suitable algae species/strains for Australia for biofuels & bioproducts

*Dr. Susan Blackburn, Head
Australian National Algae Culture Collection*

09:40 Scaling Up — From the Lab to the Field

- The new phase of algae scale-up - and the challenges involved
- Lessons learned on integrating vendors in the process chain
- Integrating innovation with product management in a fast-moving environment
- Balancing conventional process engineering with a living system, algae

*Riggs Eckelberry, President and CEO
OriginOil Inc*

10:10 Production of Biofuel from Saline Microalgae

*Dr. Michael A Borowitzka
Professor & Head of Algae R&D Center
Murdoch University*

10:40 Discussion followed by Refreshments

11:15 Roundtable Discussion: Australian Government's Policies and Programs in Support of Algae Biofuels & Bioproducts

*Panelists:
Peter Mellor, Executive Regional Director -- North
Department of Employment, Economic Development
and Innovation,
Queensland Government*

And others to be confirmed

11:45 Challenges and Benefits of Integrating Algae Based Carbon Abatement and Alternative Energy Opportunities – Perspective of a Power Company

*Roland Davies, Manager, Business Development Project
Loy Yang Power*

12:15 Succeeding in the Algae Business

- What business model to adopt?
- What markets to serve?
- Project implementation challenges
- Infrastructures required
- Building partnership and alliances
- Outlook of the algae end-use markets

12:45 Discussion followed by Lunch

14:00 Chairman's Remarks

14:05 Market Potential of Algae in Health, Feed and Cosmetics

*Tony Dowd, Managing Director
Supreme Biotechnologies Ltd*

14:35 Algae Biofuel for Aviation

*Aidan Dargan, Research Task Lead
Boeing Research & Technology Australia*

15:05 Microalgal Lipid Content & Productivities and its Potential Uses

- Microalgal biomass and lipid yields and productivities
- Fatty acid methyl ester profiles
- Suitability of these strains for bioproduct development, e.g. biodiesel and biopolymers

*Dr. Kirsten Heimann, Director, North Queensland
Algal Identification/Culturing Facility
James Cook University*

15:35 Discussion followed by Refreshments

16:10 Development of Bioethanol Production Technology from Macroalgae

16:40 The Use of Waste Water to Produce Microalgae for Nutrient Recovery and Co-Production of Biofuels, Energy and other Products

- Comparison of Lifetime net present values (LNPV) and carbon footprints of four processing pathways for the future development of Melbourne's two largest treatment plants

*Dr. David Batten, Leader, Algal Pre-feasibility Study,
CSIRO Energy Transformed Flagship*

17:10 Wastewater Treatment and Biofuels Production in High Rate Algal Ponds (HRAPs)

*Dr. Rupert Craggs, Principal Scientist and Manager
- Aquatic Pollution Group, National Institute of
Water and Atmospheric Research (NIWA)*

17:40 Discussion followed by End of Day One

DAY 2 - 17 August 2011, Wednesday

09:00 Chairman's Remarks

09:05 Photobioreactors for Production of Microalgal Biofuels

*Dr. Yusuf Chisti, Professor of Biochemical Engineering,
Massey University*

09:35 Photobioreactor Design Philosophy, Principles and Parameters

*Dr. Joe Herbertson, Director
The Crucible Group Pty Ltd*

10:05 Discussion followed by Refreshments

10:40 Optimisation of the Open Pond System

11:20 Cost Effective Algae Harvesting

Marco Brocken, CEO, Evodos B.V.

11:50 Next Generation Algae Extraction and Fractionation Technology

*Dr. Brian Goodall
Vice President of Business Development
Solution Recovery Services - SRS Energy*

12:20 Final Discussion followed by Lunch

13:30 End of Conference

**Optional Site Visit to MBD Energy & JCU Algal R&D Facility
(14:00hr-16:30hr)**

14:00 Gather at Hotel Lobby for bus transfer to the site location

14:30 Site Visit

16:00 Departure

16:30 Arrive back in Hotel

Additional Fee for Site Visit: **AUD\$75** per person

Limited spaces; allocated based on first-come-first-serve basis