

ALGAE

WORLD AUSTRALIA

16-17 August 2011
Townsville, Queensland
Rydges Southbank Townsville
Convention Ctr

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 Exhibitors Speaker

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Per Person Fee for:

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

Site Visit

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

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for latest information on speakers & topics.

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