



Centre for
Management
Technology®
Into our 24th year

2nd BTLtec (Biomass-to-Liquids)

12 - 13 September 2007 ■ NH Danube City Hotel ■ Vienna Austria



Next Level For BTL Development Towards Commercialisation

Authoritative panel

- Neste Oil Corporation
- Joanneum Research, Institut für Energieforschung
- Nexant Chemsystems
- Vienna University of Technology
- Albemarle
- Ecofys Bv
- FZK
- Institute for Energy and Env. Dept. Leipzig
- Vrije Universiteit Brussel (VUB)
- International Energy Agency
- Energy Research Centre of Netherlands (ECN)
- CHRISGAS
- BIOeCON
- WWF
- Volkswagen

promotion partners



supporting Organisation



2nd Generation Biomass-To-Liquids Biofuels – Technology & Commercialisation Outlook

“Europe backing 2nd generation biofuels ”

The Straits Times Singapore May 12 2007

In the EU, leaders have committed to setting a binding minimum target of 10% of biofuels usage in transportation by 2020, on the condition that 2nd generation biofuels become commercially available and that the production of such fuels is sustainable

By far, 2nd generation biofuels such as Fischer-Tropsch Biomass-To-Liquids (BTL) is proven to be one of the most promising renewable energy technologies for fuels due to their large potential for CO2 savings and increased efficiency. And as technology improves, production costs for BTL could be lowered to justify large scale BTL production

- *Can BTL technology achieve its next development stage for commercial scale production ?*
- *What is the economic assessment of the various production routes for BTL fuels ?*

CMT's 2nd BTL conference has lined up an authoritative panel of experts to share their latest research activities and views on where the industry is heading

Key highlights

- Hear from NESTE OIL – the developer of NexBTI 2nd generation biofuel and their plans to become the leader in BTL
- What are the available BTL technologies and what are their commercialization prospects
- Advanced catalyst technologies to optimize biomass conversion
- Can any BTL project overcome logistics barriers ?
- What is the true net energy balance of any BTL project ?
- How do we assess the sustainability of biomass feedstock ?
- Competition for biomass feedstock – Heat, Biofuels, CHP – What is the bioenergy potential for Europe and many more

Send us your registration now at Cynthia@cmtsp.com.sg or log on to our website at www.cmtevents.com for updates.

Whom you will network with

Agro-processing and wood processing industries, energy generation and waste management companies, multinationals and small and medium enterprises (SME's), national and regional governments, and multilateral organisations like the European Commission, World Bank, and United Nation system agencies. Oil & Gas & Power Companies, Feedstock Producers - from Grain to Wood Chips to Non Food, Technology providers for gasification, syngas systems, new compact processes, gasifiers manufacturers, State Authorities, Transport, Industry & Energy Organisations, Environmental & Regulatory Affairs Directors, Fuel Researchers, Automotive & Fuel Technology Specialists, Venture Capitalists

Day 1

Wednesday, 12th September

- 8:00 Registration & Morning Coffee
- 9:00 Chairman Welcoming Remarks
- 9:10 **REALISING OUR VISION TO BECOME A LEADER IN BTL**
Harri Turpeinen, VP-Stakeholder Relations
Neste Oil Corporation
- 9:50 Coffee Break
- 10:20 **PROJECT STATUS AND COMMERCIALISATION PROSPECTS OF THE GUSSING BTL PROJECT**
Dipl.-Ing. Karl Ripfel
Institute of Chemical Engineering
Vienna University of Technology
- 10:50 **REALISATION OF THE BIO-SLURRY GASIFICATION CONCEPT BIOLIQ®**
Dr. Nicolaus Dahmen
Project leader Bioliq pilot plant
FZK
- 11:20 **BTL, CTL AND GTL – FRIENDS OR COMPETITORS ?**
Dr. Mark Morgan, Executive Consultant
Nexant Chemsystems
- 11:50 **ADVANCED CATALYST TECHNOLOGIES TO OPTIMISE BIOMASS CONVERSION**
Dr. F.L. Plantenga, Technical Director
Alternative Fuel Technologies
Albemarle
- 12:20 Discussion followed by Lunch

2:00 **COPRODUCTION OF BIOMETHANOL FROM BIOMASS RESIDUES IN LARGE BIOETHANOL PLANTS (CATALYTIC SYNTHESIS OF CO₂ WITH BIO-HYDROGEN)**

Guliano Grassi, President
EUBIA

2:30 **THE CHRISGAS PROJECT - VEHICLE FUEL FROM GASIFICATION OF BIOMASS**

- Challenges in feedstock biomass logistics / supply chain
- Ongoing R & D activities

Lennart T. Gårdmark, Sen. Advisor
VVBGC

3:00 **PRODUCTION OF FISCHER-TROPSCH PRODUCTS IN A SLIP-STREAM OF LARGE COAL-FIRED POWER STATIONS**

Robin Zwart, Project Manager - Biosyngas & SNG - Biomass, Coal & Env Research Dept
Energy research Centre of the Netherlands (ECN)

3:30 Discussion followed by Tea

4:00 **COMMERCIALISATION OF CATALYTIC LIQUEFACTION OF BIOMASS**

Paul O'Connor, President and Director of Science & Technology
BIOeCON

4:30 **REMOVAL OF BIOSYNGAS IMPURITIES – CLEAN GAS FROM BIOMASS WITH CATALYTIC FILTRATION**

Lina Ma
Dept of Chemical Engineering (CHIS-TW),
Vrije Universiteit Brussel (VUB)

5:00 Discussion followed by Close of Day 1

1745 – 1900 hrs.

Networking Reception
for Speakers & Delegates

Day 2

Thursday, 13th September

9:00 Chairman's Introduction

9:15 **BIOENERGY POTENTIAL FOR EUROPE & COMPETITION FOR BIOMASS – HEAT, BIOFUELS AND CHP**
Ralph E H Sims, Renewable Energy Unit
International Energy Agency

9:45 **SUSTAINABILITY OF BIO ENERGY DEVELOPMENTS & CERTIFICATION**
i) NGO's perspective
Jean-Philippe Denruyter
WWF Global Bioenergy Coordinator
Climate Change & Energy Policy Officer
WWF European Policy Office

ii) Consultant's perspective

- developing an international market for sustainable feedstock
- how to certify your sustainable performance
- optimising your supply chain

Carlo Hamelinck, Consultant
Ecofys Bv

10:45 Discussion followed by Morning Coffee

Program topics, speakers and schedules published herein are confirmed as at printing time. Please refer to the event's timetable page at www.cmtevents.com for the most up-to-date information.

11:15 **SUITABLE LOGISTIC CONCEPTS FOR BIOMASS PROVISION TO BTL PLANTS**

- Required plant capacities and biomass amounts for BTL production
- Important parameters, e.g. relevant biomass for the production of BTL based on gasification and technical biomass potentials
- general logistic options
- typical biomass provision costs and their contribution to the total BTL production costs

Dipl.-Ing. Franziska Müller-Langer
Institute for Energy and Environment Dept
Bioenergy Systems Leipzig

11:45 **LIFE CYCLE ASSESSMENT OF BIOMASS TO LIQUID - GREENHOUSE GAS AND ENERGY BALANCE**

Dipl.-Ing. Dr. Gerfried Jungmeier
Joanneum Research
Institut für Energieforschung

12:15 **ECONOMIC ASSESSMENT OF PRODUCTION ROUTES FOR RENEWABLE BTL FUELS**

Dr.-Ing. Eckart Heintl, Group Research Powertrain, Fuels and Lubricants
Volkswagen

12:50 Final Discussion followed by Lunch

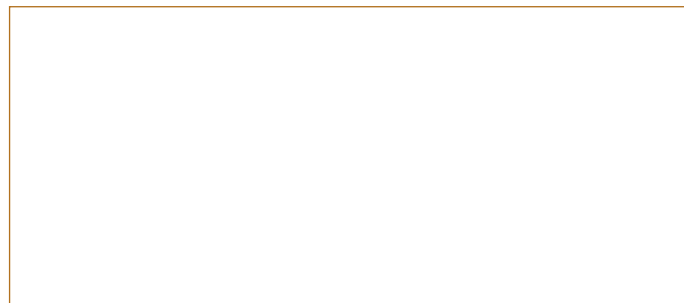
2:00 End of Conference

Customised Sponsorship Packages Available

This event is an excellent platform to promote your organisation to influential players and investors in the industry. Sponsorship opportunities available include Corporate, Exclusive Luncheon, Cocktail & Documentation sponsor. Exhibition / catalogue display can be arranged upon request. Contact cynthia@cmtsp.com.sg or (65) 6346 9132.

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CONFERENCE VENUE

CMT has arranged special discounted room rate at **Eur 175/195 nett (Single/double) per room per night including breakfast (subject to room & rate availability)** for delegates **NH Danube City**. Please reserve your room with the hotel directly, providing full credit card number and expiry date to:

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Cut off date is 11 August 2007

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

	1 Person	Group fee for 2 or more* (from the same company)
Regular Fee	EUR1,095	EUR995 (MIN SAVINGS OF EUR200)

* 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.

Photocopy Registration Form to Preserve Brochure Copy. September 2007

~ CMT'S 2007 UPCOMING EVENTS ~

Biofuels & BTL Technologies

25 - 26 October 2007 • Beijing, China

"Sustaining biofuels markets with technologies of the future"

Feedstock focus :

- sorghum, cellulosic, jatropha, algae, cassava & GMO food crops

2 day workshop on

A-Z of Ethanol

With focus on Cellulosic Ethanol – Technology Advancements

13 - 14 November • Geneva

Technical, Economic & Blending Aspects of Ethanol Production from various feedstocks

- Cellulosic Ethanol technology & demonstration plants
- Overcoming obstacles for commercialization including economics/ yields
- Logistics/ Storage issues
- Biochemical & Thermochemical conversions & catalyst capabilities

The workshop leader has been involved with biomass conversion to chemicals & fuels since 1997, conducting research in almost all unit operations of the process. He has experience in the sugar industry as well. Many technical publications and patents in these areas have resulted.

Whether you are from the trading community, energy player, ethanol & biodiesel producer, agriculture analyst, enzyme company or logistics operator, this 2 day comprehensive course will provide you with a good understanding of the Ethanol Production Technology and Industry Developments.

Commodity Price Risk Management for Biofuels

27 - 28 November 2007 • Singapore

Plantations & Biofuels Feedstocks

5 - 6 December 2007 • Hanoi, Vietnam