

Program topics, speakers and schedules listed herein are confirmed as at printing time.  
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# BTLtec

## BIOMASS TO LIQUIDS 2008

13-14 October / Göteborg Sweden  
First Hotel G

***"More players in BTL  
- A step closer to Commercialization"***

Neste  
CHRISGAS  
Refuel  
UPM-Kymmene  
Velocys

Oxford Catalysts  
Chalmers  
Norske Skog  
Syntec Biofuels  
Shell

IFP  
Volvo Technology Corp  
Swedish Energy Authority  
Lappeenranta University  
Foster Wheeler

promotion partners



supporting association



## Day 1

Monday, 13<sup>th</sup> October 2008

- 08:00 Registration & Coffee
- 09:00 **FUTURE DIRECTIONS OF SUSTAINABLE BIOMASS CONVERSION IN SWEDEN & FINANCING CONSIDERATIONS**
- Future demand/supply of biomass
  - Environmental considerations
  - New forest management practices & agriculture re-orientation
  - Implementation of Multifunction Biomass Production Systems (MPS)
- Anders Lewald, Head of Division  
**Swedish Energy Authority**
- 09:30 **A MAJOR AUTO PLAYER'S PERSPECTIVE ON THE FUTURE GROWTH OF BTL FUELS**
- Anders Roj, Manager, Fuels & Lubricants  
**Volvo Technology Corporation**
- 10:00 **BIOFUELS IN PULP AND PAPER ENVIRONMENT**
- Pekka Jokela, Manager  
Bioenergy New Businesses & Biofuels  
**UPM-Kymmene**
- 10:30 Discussion followed by Coffee Break
- 11:10 **HIGH QUALITY FUEL FROM LOW QUALITY WOOD - BTL IN NORWAY**
- Klaus Schöffel, Managing Director  
**Xynergo**
- 11:40 **CHALMERS GASIFICATION PROJECT - A BRIDGING TECHNOLOGY**
- State of the art biomass gasification technology
- Henrik Thunman, Associate Professor /  
Head of Division, Energy Technology  
**Chalmers University of Technology**

- 12:10 **WOODY BIOMASS FEEDSTOCK ECONOMICS & LOGISTIC ISSUES**
- Prof Tapio Ranta, Bioenergy Technology  
**Lappeenranta University of Technology**
- 12:40 Discussion followed by Lunch
- 14:00 **ROUND TABLE FORUM OF BTL PLAYERS**
- Sustainable Feedstocks for commercializing BTL
- Led by*
- Harri Turpeinen  
VP Corporate Stakeholder Relations  
**Neste Oil**
  - The state of the art in EU sustainability regulation and
  - The economic operator's point of view based on Neste Oil's experience on LCA/sustainability criterias
  - Pekka Jokela
  - Klaus Schöffel
- 14:30 **SHELL'S GLOBAL INITIATIVE ON XTL TECHNOLOGIES**
- Dr. Joachim Ansorge, Senior Advisor  
XTL Technologies  
**Shell Global Solutions International B.V**
- 15:00 **IFP INVOLVEMENT IN BTL**
- Technical issues (pretreatment, syngas cleaning)
  - Economical evaluations
- Nicolas Boudet, Process Modeling and Design Division  
**IFP**
- 15:30 Discussion followed by Tea
- 16:10 **DEVELOPMENTS IN NEW FT CATALYST FOR CONVERSION OF BIOMASS INTO SYNTHETIC DIESELS & JET FUELS**
- Dr. George Kosanovich, CEO  
**Syntec Biofuel Inc**
- 16:40 **MODULAR, COMPACT FISCHER-TROPSCH TECHNOLOGY**
- Jeff Daniels, Vice President  
**Velocys**

- 17:10 **CATALYTIC SOLUTIONS FOR SMALL SCALE FUEL PRODUCTION FROM DISTRIBUTED BIOMASS**
- Derek Atkinson  
Business Development Director  
**Oxford Catalyst**
- 17:40 Final Discussion followed by End of Day 1

18:00-19:00 hrs.

*Networking Reception*  
for all participants

## Day 2

Tuesday, 14<sup>th</sup> October 2008

- 08:00 Chairman's Remarks
- 08:10 **CAN THE EU'S 10% TARGET BY 2020 BE MET IN A SUSTAINABLE WAY, AND WHAT MAY BE THE ROLE OF ADVANCED BTL OPTIONS?**
- Energy crop production potentials
  - Outlook of supply & use of biomass in the EU
  - Conventional biofuels versus advanced BTL options: how may markets develop?
  - Biofuel policies and their impacts
- Dr. Marc Londo, Coordinator  
**Refuel**
- 08:40 **DEVELOPMENTS IN BIOMASS GASIFICATION TECHNOLOGY FOR THE BTL INDUSTRY**
- Jaakko Riiali, Vice President  
Commercial Operations  
**Foster Wheeler**
- 09:10 **BIOREFINERY CONCEPTS - CHALLENGES IN INTEGRATED PRODUCTION**
- Speaker to be advised*
- 09:40 Discussion followed by Coffee

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## Technology Advancements Opening up New Capabilities & Improving BTL Economics

- 10:10 **ALTERNATIVE FEEDSTOCKS & THEIR VIABILITY FOR BTL PLANTS**
- Palm Biomass
  - Jatropha
  - Algae
- 10:40 **CHRISGAS SYNGAS PROJECT AND THE VÄRNAMO BIOMASS GASIFICATION PLANT**  
Sune Bengtsson, CHRISGAS Co-ordinator  
**Växjö University**
- 11:10 Close of Conference. Lunch

### Site Visit (Optional - Euro 100/per person)

- 12:00 **Depart for Växjö Värnamo Biomass Gasification Centre (VVBGC) PRESENTATION ON VÄXJÖ BIO - DME PROJECT**  
Lennart Gardmark, Senior Advisor - Marketing  
**VVBGC**
- 15:00 **Arrive at VVBGC. Introductory Presentation & Guided Tour**
- 17:00 Leave Site
- 20:00 Arrive at hotel in Göteborg.

VVBGC is an R&D centre inviting collaborative initiatives in gasification of biomass, feeding systems, hot gas cleaning, IGCC syngas upgrading, catalyst research, BTL processes, H<sub>2</sub> for fuel cells. The plant is currently based on an IGCC process which is planned for rebuild to syngas version. Investments into the VVBGC Pilot plant are supported by the Swedish Energy Agency and also partly by the EC through it Framework 6 Research Project CHRISGAS. The aim of the CHRISGAS Project is to demonstrate the production of a clean and hydrogen-rich synthesis gas from woody biomass.

### Why Göteborg

Second largest city after the capital Stockholm, Goteburg is an attractive industrial city with excellent road and air connections. It is home to Volvo, Sweden's domestic car producer, who is very active in environmental policies. Currently Volvo truck is active for DME development based on black liquor gasification in a new EU project. Almost 1/5 of Swedish energy supply is met by biomass. Swedish entrepreneurs are closely working on biomass projects with global investors for subsequent conversion to refined fuels.

*"Neste Oil to Build \$1B NExBTL Renewable Diesel Plant in Rotterdam"*  
*Green Car Congress June 13, 08*

*"Norske Skog, a global pulp & paper producer unveils BTL Project in Norway"*  
*Gasification News June 12, 08*

*"UPM, a global forestry company team up with Carbona to develop synthetic biofuels."*  
*Biopact, May 27, 07*

Pulp & paper mills recognise the opportunities they can play as biomass processors and their important role in the biofuels sector. Technologies that make this transformation viable are gasification and the F-T Process with several studies showing that integration of a BTL plant with a mill would be economically attractive under many circumstances.

What are the challenges of a biorefinery integration ?

Automakers have acknowledged the benefits of BTL fuels, with some like Volkswagen & Daimler Chrysler taking a stake in BTL producer Choren

- Are forest biomass resources sufficient to support future growth in BTL projects plans? What could be alternative feedstock options ?
- What are the downstream processing options for a BTL plant

### YOU WILL NETWORK WITH

- Renewable Energy Cos • Wastewater Mgt Cos
- Industrial Gas Suppliers • Specialty Catalysts Cos • Biofuel Technology Cos • Oil & Gas Cos
- Agro-processing and Wood Processing Cos, Pulp & Paper Mills • Agribusiness & Food Cos
- Technology Providers for Gasification, Gasifier & Syngas Systems, New Compact Processes
- Head of Energy, Transport / Environmental Affairs Depts • Fuel Researchers • Automotive & Fuel Technology Specialists • Venture Capitalists

CMT's **3rd BTLtec** has lined up key experts who are already in the field, technology companies including new entrants to the BTL industry.

### You Will Hear From

- **NESTE** - their aim to become a global BTL leader while addressing sustainable issues
- **Shell** has a minority stake in BTL producer CHOREN and have global involvement in CTL, GTL projects. What is their take on the whole spectrum of XTL (GTL/CTL/ BTL) technologies ?
- Newcomers in the field - **UPM Kymmene & Norske Skog** giving their perspective on developing this new & sustainable industry
- Major automaker - **Volvo** has its HQ in Göteborg. How do they view BTL fuels & potential growth
- State-of-the-art biomass gasification technologies
- Biomass feedstock economics & Logistics issues
- New FT Catalyst for biomass conversion

Including a half day tour/site visit to the **Växjö Värnamo Biomass Gasification Centre** on the afternoon of the second day. **Sign up today!**

### Feedback from our 2007 Conference

"Very well organized, excellent speakers."

*Rappaport Energy Consulting*

"Excellent conference with right mixture on research & reality."

*Roland Berger Strategy Consultants*

"Was educational & pleasant experience. Had good networking time."

*Sasol Technology*

"A great opportunity to meet key workers in BTL."

*National Non Food Crops Center UK*

"Good & interesting overview of a both complex / interdisciplinary and important topic."

*Statoil*

## REGISTRATION

**BTLtec**  
BIOMASS TO LIQUIDS 2008

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### CONFERENCE VENUE

CMT has arranged special discounted room rate at SEK1348 / SEK1548 nett (Standard / Deluxe) per room per night inclusive of daily breakfast and tax (subject to room and rate availability) for delegates at **First Hotel G**.

Please reserve your room with the hotel directly, providing full credit card number and expiry date to:

*Ingrid Bengtsson*, Reservations Department, **First Hotel G**

Nils Ericsonsplatsen 4, 411 03 Göteborg, Sweden

Phone: +46 31 637242 Fax: +46 31 637299

Email: [ingrid.bengtsson@firsthotels.se](mailto:ingrid.bengtsson@firsthotels.se)

Cut off date: 22nd September 2008

PRIORITAIRE	
En cas de non remise prière de retourner à Postfach 1100 36243 Niederaula ALLEMAGNE	Deutsche Post
	Port payé 60544 Frankfurt Allemagne
	Luftpost / Prioritaire

Register for (pls tick)

- conference  
 plus site visit (at EUR100 extra)

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

1 Person	Group fee for 3 or more* (from the same company)
EUR1,195	EUR995 (MIN SAVINGS OF EUR600)

\* 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.

### TO REGISTER

Online: [www.cmtevents.com](http://www.cmtevents.com)  
Email: [emily@cmtsp.com.sg](mailto:emily@cmtsp.com.sg)  
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### TELEGRAPHIC TRANSFER

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*TT must include additional EUR18 for Beneficiary's Bank charges. Delegates must bear all bank charges and local taxes (if applicable). Fees must be NETT of ALL charges.*

### 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](mailto:cynthia@cmtsp.com.sg) or (65) 6346 9132.

Photocopy Registration Form to Preserve Brochure Copy. Oct 2008

CMT's Upcoming Biomass/Alternative Feedstocks Events

## BiomassWorld

23-24 September | Beijing, China

"Sustainable usage of agricultural residue & waste for power generation and cellulosic biofuels"

## 3<sup>rd</sup> AMERICAS sugar & ethanol trade

16-17 October | Miami, USA

"How is NAFTA panning out?"  
"Ethanol and the US transportation fuel market: outlook and policy options"

## JATROPHA WORLD Hamburg 2008

20-21 October | Hamburg, Germany

"Towards Sustainable Non-Food Bioenergy and Zero Waste Agriculture"

## AlgaeWorld

17-18 November | Singapore

"Commercialization of Quick Growing Algae to Biofuel - Economics & Technology"

## SORGHUM WORLD SUMMIT

20-21 November | Hainan, China

"Transitional Technologies & Competitive Approaches of Biofuels Production"