



CatCon2005

Conference & Exhibition



"Catalysis for Future Energy and Fuel Demands"

Sponsored by The Catalyst Group Resources, Inc.



October 25–26, 2005 • Wyndham Philadelphia at Franklin Plaza • Philadelphia, PA USA

Agenda

Tuesday, October 25, 2005

- 8:00 – 9:00 AM** **REGISTRATION, WELCOME COFFEE & “VISIT THE EXHIBITS”**
- 9:00 – 9:15 AM** **OPENING REMARKS**
Mr. Clyde F. Payn, The Catalyst Group
- 9:15 – 9:45 AM** **KEYNOTE ADDRESS**
Economic Stabilizers and Technical Barriers for the Biorefinery
Dr. Valerie Reed, United States Department of Energy

SESSION I NEW TECHNOLOGIES FOR FUELS

- 9:45 – 10:15 AM** **High Quality Fuel Components from C₄ Hydrocarbons”**
Dr. Domenico Sanfilippo, Snamprogetti S.p.A.
- 10:15 – 10:45 AM** **Axens New Fuel Technology**
Dr. Joseph Ross, Axens
- 10:45 – 11:30 AM** **MORNING BREAK & “VISIT THE EXHIBITS”**
- 11:30 – 12:00 AM** **How High Throughput Technologies Can Help Accelerating Catalysis R&D in the Fuels Area**
Dr. Gert-Jan Gruter, Avantium

SESSION II GASIFICATION TECHNOLOGIES FOR FUELS AND CHEMICALS

- 12:00-12:30 PM** **Biomass and Spent Liquor Gasification; Enabling the Integrated Forest Biorefinery in the US**
Dr. Dan Buciaga, ThermoChem Recovery International
- 12:30 -2:15 PM** **GROUP LUNCHEON**

2:15 – 2:45 PM **SPECIAL FEATURE**
The Enduring Importance of Non-Renewable Energy Resources
Dr. Richard Porcelli, Porcelli Consultants

SESSION III
SYNGAS CONVERSION: GTL, DME, METHANOL AND OTHER

2:45 - 3:15 PM **QA and Optimization Issues During Development of the Statoil FT-Catalyst**
Dr. Erling Rytter, Statoil

3:15 – 4:00 PM **AFTERNOON BREAK & “VISIT THE EXHIBITS”**

4:00 – 4:30 PM **DME – A New Clean Fuel for the 21st Century: OPPORTUNITIES and CHALLENGES**
Dr. Andre L. Boehman, International DME Association (IDA).

4:30 – 5:00 PM **Ecaleneä - an Ethanol-Rich Fuel Additive Derived from Syngas**
Dr. Dennis M. Brown, Mackenzie Energy

5:15 - 6:45 PM **GROUP RECEPTION**

Wednesday, October 26, 2005

8:00 – 9:00 AM **REGISTRATION, MORNING COFFEE & “VISIT THE EXHIBITS”**

9:00 – 9:30 AM **KEYNOTE ADDRESS**
Global Outlook - with Emphasis on the Implications Through 2020 of Alternative Technology / Regulatory Alternative Fuels Scenarios
Dr. Martin R. Tallett, EnSys Energy

SESSION IV
FRONTIERS IN UPGRADING TECHNOLOGIES

9:30 – 10:00 AM **NxCat™ - Next Generation Catalysts**
Mr. Jeffrey Gendler, Headwaters

10:00 – 10:30 AM **Downhole Catalytic Combustor/Steam Generator for Heavy Oil Production**
Dr. Kevin Burns, Precision Combustion

10:30 – 11:00 AM **MORNING BREAK & “VISIT THE EXHIBITS”**

11:00 – 11:30 AM **SPECIAL FEATURE**
The Canadian Perspective on Tar Sands Investments and Progress in Upgrading Technology
Dr. Craig Fairbridge, National Center for Upgrading Technologies, NRCan

SESSION V
SYNGAS PRODUCTION TECHNOLOGIES

11:30 – 12:00 PM **Synthesis Gas Technology Options for Gas to Liquids**
Dr. Bernard Crewdson, Johnson Matthey

12:00 – 12:30 PM **ITM Syngas**
Dr. Michael Carolan, Air Products & Chemicals

12:30 -2:00 PM **LUNCH ON OWN**

SESSION VI
NEW/IMPROVED ROUTES TO OLEFINS

2:00 – 2:30 PM **Exergy UCG Technology as a Source of Raw Materials for Chemical Syntheses**
Dr. Michael S. Blinderman, ErgoExergy

2:30 – 3:00 PM **A New Houdry® Catalyst for the “Third Wave” – Propane Dehydrogenation”**
Dr. Michael Urbancic, Sud Chemie

3:00 – 3:30 PM **AFTERNOON BREAK & “VISIT THE EXHIBITS”**

3:30 – 4:00 PM **Olefins by High Intensity Oxidation**
Dr. Terry Mazanec, Velocys

4:00 – 4:30 PM **High Throughput Experimentation (HTE) Applied to Methanol-to-Hydrocarbons Reactions**
Dr. Jens Klein, hte AG

4:30 – 4:45 PM **CLOSING REMARKS**