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21-22 May 2009
Guangzhou, China
Grand Royal Hotel

3rd Bio plastics markets

NatureWorks LLC
Biograde Ltd / Biograde Nanjing
Novamont SpA
Michigan State University
Nexant Asia
Merquinsa
BASF Taiwan Ltd
Northern Technologies International Corporation
SCION
Robin Bio Plastics Ltd
Ecota Environmental Technology Co., Ltd
Organic Waste Systems n.v.
Guangzhou Kemeng Catalytic Materials Co. Ltd
Sun Yat-Sun University
Tsinghua University
Ping An of China Asset Management (HK) Ltd
BIOP Biopolymer Technologies AG

“Use of innovative materials to drive a more sustainable future”

promotion partners



Day 1 - Thursday, 21 May 2009

8:00 Registration & Refreshment

9:00 Chairman's Welcome Remarks

9:10 Bioplastics Market Principles

- What "value proposition" does bioplastics offer?
- What is bioplastics, biobased (biomass or renewably sourced) plastic, biodegradable plastics, and the inter-relationships?
- How does one measure and report on the carbon footprint reductions achieved using bioplastics?
- How to measure and report on the environmental footprint using LCA tools?
- What are the pitfalls in using LCA especially as it relates to end-of-life options?
- What are the end-of-life scenarios for bioplastics, and how does it impact the products carbon and environmental footprint?

*Prof. Ramani Narayan, Distinguished Professor
Department of Chemical Engineering & Materials Science
Michigan State University*

9:50 Bio-Plastics Market Outlook

- Market trends/demand drivers/pricing trends
- Market, consumer, industry & media feedback
- The Ingeo™ innovation story - creating value for brands
- Ingeo™ developments beyond disposables
- Market development challenges

*Peter Clydesdale, Managing Director – Asia Pacific
NatureWorks LLC*

10:20 Discussion followed by Refreshment

10:50 Economic Outlook in Asia

- Life after the subprime crisis - Asia's adjustment in the global context
- Investment and currency risks and challenges
- Can China lift world growth?

*Chi Lo, Director, Investment Research
Ping An of China Asset Management (HK) Ltd*

11:20 Opportunities for Biopar® Production Licensing & Technology Transfer Contracts

*Frits P.E.A. de Jong, CEO
BIOP Biopolymer Technologies AG*

11:50 Implementation of Sustainable Solution / Bioplastics Activities - Brand Owners Perspectives

12:15 Prospect of Biodegradable Packaging

- Market outlook & future of biodegradable packaging
- Experience/Lessons learnt from the supply contract at the Beijing Olympics 2008
- Latest product innovations
- Future plans & directions of Biograde

*Jacky Chen, Director
Biograde Ltd
General Manager
Biograde Nanjing*

12:45 Discussion followed by Lunch
sponsored by



14:10 Impact of Crude Oil Prices on Bio Developments

*Connie Lo, Senior Consultant
Nexant Asia*

14:40 Biobased TPU Development & Commercialization

- Product & technology innovations
- Market prospect of renewable bio TPU

*David Pascual, Global Application Development Manager/
Asia Pacific Area Manager
Merquinsa*

15:10 Innovation in Bio Foam & Market Potential

*Dr. Kate Parker, Scientist – Bioproducts Development
SCION*

15:40 Discussion followed by Refreshment

16:10 Ecovio, Product Innovation And Life Cycle Analysis

*Ross Kung, Head of Business Management –
Biodegradable Polymers Asia
BASF Taiwan Ltd*

16:40 Responsible Marketing of Bioplastics – Comprehensive Review from The Feedstock to End-Of-Life Options

- Feedstock use: today and outlook into the future
- Responsible innovation concerning technology use
- Final recovery and disposal routes

*Erwin Vink, Environmental Affairs Manager
NatureWorks LLC*

17:10 End of Life Options & Infrastructure – Experience & Lessons from Europe

- Composting of bioplastics: advantages and disadvantages
- Biological waste treatment in Europe: present and future – geographical differences
- Different environmental niches
- Standardisation and certification

*Sam Deconinck, Lab Project Manager
Organic Waste Systems n.v*

17:40 Discussion followed by Close of Day 1

Day 2 - Friday, 22 May 2009

9:00 Chairman's Remarks

*Dr. George Chen Guoqiang, Vice Director &
Professor of Microbiology
Tsinghua University*

9:05 Update on Expansion of CO₂ Bioplastics Production & Commercial Applications

- Mechanism of the fixation of carbon dioxide into biodegradable plastic
- The commercialization of the synthesis of biodegradable plastic from carbon dioxide

- The properties and modification of the carbon dioxide-based plastic
- The practical applications of the carbon dioxide-based plastics

Prof. Meng Yuezhang, Director of Institute of Environment Materials, **Sun Yat-Sen University**
President

Guangzhou Kemeng Catalytic Materials Co. Ltd

9:35 **Biorefinery Integrated in the Territory :
Novomont Model**

- An industrial model of biorefinery
- Correct use of bioplastics : not only products but solutions for waste management schemes
- Focus on Mater-Bi shopping bag : a key tool in the Mater-Bi integrated system

Senior Representative

Novamont SpA

10:05 **Product Design Challenges
Using Bioplastics**

10:35 Discussion followed by Refreshment

11:00 **Latest on Modified PLA Technology
for High Temperature Application**

John Ye Xin Jian, Technical Director

Robin Bio Plastic Ltd

11:30 **Processing of Bioplastics,
Issues & Overcoming Them in
The Manufacturing Process**

- Materials selection criteria
- Constraint & processing challenges

Wang Huiqun, General Manager

Ecota Environmental Technology Co. Ltd

12:00 **Bioplastics Opportunity & Markets
in India**

Dr. Guoren Cheng, Senior Applications Engineer

Northern Technologies International Corporation

12:20 **PHA Bioplastics Update & Trends**

12:50 Final Discussion followed by Closing Lunch

14:15 End of Conference

Towards a More Sustainable Future with Innovative Materials

NatureWorks achieves breakthrough in bioplastics manufacturing process...a new proprietary manufacturing process commissioned late last year lowers CO2 emissions by 60% and reduces by 30% the energy required for production of Ingeo™ plastics compared to previous manufacturing process.
26/2/09, Bioplastics24.com

BASF will open its facility in Ludwigshafen in 2010 and once up and running the plant will increase the production of its 'Ecoflex' product from 14,000 to 74,000 tons per year.
25/9/08, Cosmeticsdesign-Europe.com

While the use of petroleum-based plastics continues to grow (estimates range up to one trillion pounds per year), BCC Research estimated that the market for biodegradable plastics is expected to reach 1.2 billion pounds by 2012, up from 541 million pounds in 2007. Growing awareness in climate change as well as the "peak oil" concept are drivers for bioplastics growth. However, with the global financial crisis, weak economies & plunge in crude oil market, what will be the impact on the bioplastics development? Will companies put off their plan to go "green" or delay their bio investment?

Cost is not the only barrier to the growth of bioplastics but performance, sustainability of supply & end-of-life options are some of the other concern for companies trying to adopt bioplastics application. What are companies & government's plan to tackle these concern?

With food vs fuel debate, companies are exploring next generation bioplastics from non-food feedstock. Innovations in R&D has also expanded the properties & applications potential of bioplastics, encouraging application ranging from packaging to electronics to automobile.

CMT's 3rd **Bioplastics Markets** conference in Guangzhou will bring together leading panel of experts to discuss pertinent issues in the bioplastics industry. Register online at www.cmtevents.com with your team today!

Key Reasons to Attend



- Impact of crude oil price trends on bio development
- Insight on the end-of-life scenarios for bioplastics and how it affects products carbon and environment footprints
- Learn from leading suppliers' their experiences of supplying bioplastics materials at the Beijing Olympic Games
- Applications of bioplastics from Europe to Japan to India
- Views of product designers on material selection criteria and future trends
- Leading processor on overcoming constraints and challenges
- Network with brand owners and retailers to realize their commitment to "green products"
- Emerging trends in PHA bioplastics
- Details on modified PLA technology for high temperature applications
- Technology innovations from leading producers
- Maximize your networking & gain insight on the latest market trends to chart your strategy in the coming years!

You will network with

CEO/Presidents, MD, GM, Business Development Directors, Sales & Marketing Managers, Commercial Director, Technology Manager, Product Manager, R&D Director from bioplastics producers/suppliers, brandowners/retailers, processors/converters, financial & academic institutions, machinery suppliers & all who wants to get an update on the opportunities in the bioplastics business



21-22 May 09 | Guangzhou, China



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FEES

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

Conference Fee for 1 Person	Conference Fee for 3 or more* (from the same company)
USD1,295	USD1,095 (MIN SAVINGS OF USD600)

* 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.

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CMT has arranged special discounted room rate at RMB1080 nett (Single/Twin) per room per night including breakfast (subject to room and rate availability) for delegates at **Grand Royal Hotel**. Please quote 'COB90058' when reserving your room with the hotel directly, providing full credit card number and expiry date to:

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 Cut-off date: 21 April 2009

STEVIAWORLD

SHANGHAI | 14-15 May 2009

"Stevia set to change fundamentals of sweetener and possibly sugar industry: Explore Markets and Tap Opportunities"

JATROPHA WORLD AMERICAS

MIAMI, USA | 10-11 June 2009

"Strategies to Accelerate the Commercialization of Jatropha Business"

10th CEE PET

VIENNA, AUSTRIA | 28-29 May 2009

"Have we reached the end of the downturn or is the worse still to come?"

11th Asia/China Olefins & Polyolefins MARKETS

SHANGHAI | 16-17 June 2009

Strategising and creating value in the downturn

CMT'S UPCOMING EVENTS