



2nd Bio plastics markets

16-17 April 2008

SHANGHAI / Intercontinental Shanghai Pudong

“Managing a carbon economy with new materials & innovations”

Sony Corporation
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Shanghai Society for Advanced Materials,
Degradable Material Committee

ROLE OF ASIA IN THE EVOLVING BIO-FEEDSTOCK & BIOPLASTICS WORLD

With oil prices at an all time high and increasing awareness of environmental footprint, the market for bioplastics is growing exponentially in Europe and USA. How is Asia performing in this respect and what role will Asia play in this business?

With the recent ban of plastics bag use in China effective 1 June 2008 and Australia announcing the ban as well, will this present more opportunities for the nascent bioplastics industry to flourish?

Innovative bioplastics coming out of sugar-cane, corn, CO₂, bacteria & etc are giving brandowners more choices to work with in their product development. However, are these inventions commercially & economically viable & is supply sufficient to meet demand?

Attend **CMT's 2nd Bioplastics Markets** conference, the **ONLY** event you need to attend in Asia! Find out :

- How to use life cycle assessment tools for assessing carbon and environmental footprints?
- What are the potential of bioplastics application at the **Beijing 2008 Olympics & World Expo 2010** in Shanghai?
- Insights from brand-owners & retailers regarding their move's towards sustainable solutions including their experience on bioplastics adoption, the challenges & consumers acceptance
- Keep abreast with the latest innovations and applications in **Automotive, Packaging, Sports, Consumer Electronics** sector.

- Evaluate the potential of bioplastics industry in **Thailand, China, Korea**
- Leading processor will highlight the challenges, manufacturing considerations & limitations of bioplastics
- How the compounding and masterbatch industry is performing in Asia with respect to bioplastics growth?
- Update on legislation and test methods for degradable plastics
- Expand your networks and exchange insights with industry leaders to chart your business plan in the coming years!

Register Online at www.cmtevents.com or send your enquiries to emily@cmtsp.com.sg

You will Network with

• CEO/Presidents • MD • GM • Business Development Directors • Sales & Marketing Managers • Commercial Director • Technology Managers • Product Managers • R&D Directors
from bioplastics producers/suppliers, additives 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

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.

Day 1

Wednesday, 16th April 2008

- 8:00 Morning Registration & Coffee
- 9:00 Chairman's welcome Remarks
- 9:10 **GLOBAL BIOPLASTICS DEVELOPMENT**
- Managing a carbon economy – role of bioplastics
 - Using life cycle assessment tools for assessing carbon and environmental footprints
 - Overview of bioplastics technologies with focus on "bio feedstocks" supporting the technology development
 - Trends & economics of bioplastics conversion
 - Market size worldwide & role of Asia
- Distinguished Prof. Ramani Narayan
Dept of Chemical Engineering
& Materials Science
Michigan State University
- 10:05 **IMPACT OF PLASTIC BAGS BAN IN CHINA EFFECTIVE 1 JUNE - OPPORTUNITIES FOR OTHER MATERIALS INCLUDING BIOPLASTICS**
- Ma Xingfa, Section Chief
– Community Development Dept
Science and Technology Commission of Shanghai Municipality
- 10:30 Discussion followed by Refreshment
- 11:00 **POTENTIAL OF BIOPLASTICS APPLICATION AT THE SHANGHAI WORLD EXPO – WORKING TOWARDS A SUSTAINABLE SOLUTION**
- Senior Representative
Bureau of the Shanghai World Expo Co-ordination
- 11:30 **PROSPECT OF BIOPLASTICS MARKET IN KOREA**
- Y.K Lee, President & CEO
Toray Saehan Inc

- 12:00 **DEVELOPMENT OF PLA MARKET WORLDWIDE**
- Demand/supply outlook
 - Innovative applications & prospect
 - Moving beyond packaging application
 - Challenges of building a successful bioplastics business
- Peter C. Clydesdale
Asia Pacific Managing Director
NatureWorks PLA
- 12:30 Discussion followed by Lunch
- Afternoon Chairman: Peter C. Clydesdale
- 1:45 **PANEL DISCUSSION : BRAND-OWNERS/RETAILERS' MOVE TOWARDS SUSTAINABLE SOLUTION INCLUDING BIOPLASTICS EXPERIENCE**
- Panelists to be advised
- 2:15 **INNOVATIONS IN HIGH PERFORMANCE BIO-BASED POLYMERS**
- Rilsan & Pebax synthesis, main properties & eco-efficiency
 - Automotive case studies: Fuel lines, synthetic leather & internal part
 - Sports case studies: Running & Ski Boots
 - Consumer electronics case studies: housing, elastomeric components
- Jerome Allanic
Asia Market Development Manager
Arkema
- 2:45 **BIOPLASTICS APPLICATION IN CONSUMER ELECTRONICS DEVICES – EXPERIENCE & INITIATIVES FROM SONY CORPORATION**
- Performance economics & application of bioplastics in Electronics devices
 - Design consideration, challenges & technology innovations
- Hiroyuki Mori, Senior Eco-Products Producer
Materials Laboratories
Sony Corporation

- 3:15 **PROGRESS DEVELOPMENT OF BIODEGRADABLE PLASTICS APPLICATIONS AT BEIJING OLYMPIC**
- Choice of applications & sourcing progress
 - Expectations toward suppliers & disposal management
- Wan Rong
The Office of Science and Technology Committee for the Games of the XXIX Olympiad
- 3:45 Discussion followed by Refreshment
- 4:15 **SUSTAINABLE PLA THROUGH LACTIDE & LACTIC ACID**
- Update on Lactic Acid production capacity in Thailand & future plans
 - Economic sustainability & latest innovation for PLA & other polymer-blends production
- Ruud Reichert
Business Development Manager
PURAC
- 4:45 **PLA : PRODUCTION PROCESS AND ECONOMICS**
- Overview of the PLA production process
 - Continuous process - fermentation and polymerization
 - Product properties
 - Economics
- Udo Muehlbauer, Chemical Engineer R&D
Uhde Inventa-Fischer
- 5:15 Discussion followed by End of Day One

1720 – 1820 hrs.
Networking Reception
for all speakers & delegates

Day 2
Thursday, 17th April 2008

- 9:00 Chairman's Remarks
K. Jim Jem, Chief Representative for Greater China
PURAC China

- 9:05 **BIOPLASTICS PRODUCTION & APPLICATIONS IN CHINA**
- Update on latest national standards & test methods of degradable plastics
- Dr. Ren Jie, Director
Shanghai Society for Advanced Materials, Degradable Material Committee
General Manager
Shanghai Tong-Jie-Liang Biomaterial Co., Ltd
- 9:35 **BIOPLASTICS DEVELOPMENT IN THAILAND**
- Opportunities, resources & facilities
 - Update on legislation supporting bioplastics industry
 - Manufacturing consideration & limitations
 - Production & processing challenges
- Assoc. Prof. Dr. Phietoon T'kasem, Chairman
Thantawan Industry PCL
Charter Chairman
Thai Bioplastics Society (TBS)
- 10:05 **BIODEGRADABLE & BIO-BASED PLASTICS – INSPIRED BY NATURE**
- Dr. Jens Hamprecht, Head of Global Business Management – Biodegradable Polymers
BASF SE
- 10:30 Discussion followed by Refreshment
- 11:00 **DEVELOPMENT & COMMERCIALIZATION OF CO₂ TO BIODEGRADABLE PLASTICS PROJECT IN CHINA**
- Du Fengguang, General – Engineer
Henan Tianguan Group Co., Ltd
- 11:30 **NEW TREND ON PHA BIOPLASTICS DEVELOPMENT WORLDWIDE**
- George Chen Guo-Qiang, Professor
Tsinghua University
- 12:00 **BIOPLASTICS COMPOUNDING & MASTERBATCH DEVELOPMENT IN ASIA**
- Daniel Ganz, Business Development Manager
Sukano Products Ltd
- 12:30 Final Discussion following by Closing Lunch
- 2:00 End of Conference



16-17 April 2008 | SHANGHAI

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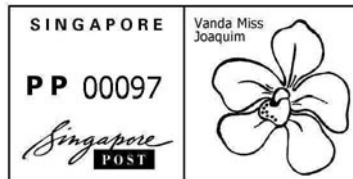
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 Cut off Date for Room Booking: 15 March 2008



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)
USD1,295	USD1,095 (MIN SAVINGS OF USD600)

* Terms and conditions apply.

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12 - 13 March, Shanghai

8th asia/china ChlorVinyls

17 - 18 March, Shanghai

"Tapping new export markets for sustained growth"

4th Asia/China PP Markets & Tech

21 - 22 April, Shanghai

"Expanding into Asia's Growth with Increasing Capacities & Technology Innovations"

15th GLOBAL PET

13 - 14 May, Hong Kong

"Asia: Intensifying Growth amidst Global Volatility"

10th Asia Olefins & Polyolefins Markets

10 - 11 June, Singapore

"Strategies to sustain profitability as markets tighten"
 "Is it the beginning of a downcycle?"