



BIOPolymers Markets

15 - 16 May 2007 • Hong Kong
Regal Hongkong Hotel

“Growing the bioplastics industry - what’s next?”

Authoritative Panel

- Nestle Research Center
- Michigan State University
- European Bioplastics
- China Degradable Plastics Specialized Committee
- Growth Pack International Development Co., Ltd
- Tianan Biologic Material Co., Ltd
- Reifenhäuser Extrusion GmbH
- NEC Corporation
- IRe Chemical Ltd
- BIOP Biopolymer Technologies AG
- Novamont S.pA
- DuPont Sustainable Materials
- B.R.A.I.N AG (Biotechnology Research And Information Network AG)
- National Innovation Agency
- Purac
- Shanghai World Expo Science & Technology Promotion Center
- NatureWorks PLA

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Into our 24th year

Day 1

Tuesday, 15th May 2007

- 8:00 Registration & Morning Coffee
- 9:00 Chairman's Welcome Remarks
- 9:10 **GROWING THE BIOPLASTICS INDUSTRY – WHAT'S NEXT?**
- Principles, concepts and the value proposition for bioplastics – what everyone interested in bioplastics and supporting industry must know!
 - Managing carbon – a definitive role for bioplastics
 - A technology roadmap – current status and looking into the future
- Prof. Ramani Narayan, Professor of Chemical and Biochemical Engineering
Department of Chemical Engineering and Materials Science
[Michigan State University](#)
- 9:45 **GLOBAL OUTLOOK FOR BIOPOLYMERS**
- Will there be sufficient capacity to meet growing demand in Europe?
 - Drivers for growth
 - Opportunities, market size & investment outlook
 - GM concerns
- Board Member
[European Bioplastics](#)
- 10:15 **EMBRACING GREEN MATERIALS – PERSPECTIVE FROM HONG KONG**
- 10:45 Discussion followed by Refreshment
- 11:15 **NESTLE'S PERSPECTIVE ON BIOPLASTICS IN FOOD PACKAGING**
- Understanding environmental claims
 - Technical performance vs food packaging requirements
 - Environmental performance
 - Cost and supply
- Dr. Lars Lundquist, Packaging Research Scientist
[Nestle Research Center](#)
- 11:45 **BIOREFINERY TO BIOPLASTICS – MEETING GROWING DEMAND**
- Bio-refinery investment & financing challenges
 - Status of project
 - Technology innovations to meet global demand
- Dr. Catia Bastioli, Chief Executive Officer
[Novamont S.p.A.](#)
- 12:15 **BIOPLASTIC MARKETS, BIODEGRADABLE PLASTIC MARKETS?**
- How far to think in supply – the sense or non-sense of bioplastic applications, only when functionality meets the desire for example the barrier properties of bioplastics
- Senior Representative
[BIOP Biopolymer Technologies AG](#)
- 12:45 Discussion followed by Lunch
- 2:00 **OPPORTUNITIES FOR BIOPLASTICS APPLICATION DURING WORLD EXPO 2010 IN SHANGHAI**
Li Guangming, Vice Director
[Shanghai World Expo Science & Technology Promotion Center](#)
- 2:20 **PLA DEVELOPMENT & SUCCESSES**
- Corporate update : 2002 - present
 - Managing growth : 2007 - 2009
 - Finding value applications as the bio-polymer market continues to grow/evolve
 - Examples of market collaborations (Taiwan, Korea, China & Japan)
- Peter C. Clydesdale, Asia Pacific Managing Director
[NatureWorks PLA](#)
- 2:50 **CONVERTER'S EXPERIENCE WITH BIOPOLYMER PROCESSING**
- Commercial availability of renewable resins
 - Production and processing challenges
 - Comparison of processing hydrocarbon polymers vs biopolymer
 - Manufacturing considerations & limitations
- Patrick Van de Voorde, Development Manager
[Growth Pack International Development Co., Ltd](#)
- 3:15 Discussion followed by Refreshment
- 3:45 **CRITICAL FACTORS IN DEVELOPING NEW PLA CAPACITY**
Dr. Hans van der Pol, Marketing Manager
[PURAC](#)
- 4:15 **BIOPOLYMER IN ELECTRONICS APPLICATIONS - NEC'S PERSPECTIVE**
- Current use of bioplastics for electronic products in Japan – Merit & demerit of bioplastics, especially PLA
 - NEC strategies of bioplastics and current actions
 - Improvement of practical characteristics of PLA while keeping high biomass ratio and high safety (no inclusion of toxic agents)
 - Adding new intelligent characteristics to PLA to expand its use
 - By 2010, more than 10% of these original bioplastics will replace petroleum-resourced plastics in electronic products produced by NEC
- Dr. Masatoshi Iji, Research Fellow - Fundamental and Environmental Research Laboratories
[NEC Corporation](#)
- 4:45 **BIOPOLYMER PROCESSING IN THE MACHINE BUILDING INDUSTRY**
Senior Representative
[Reifenhäuser Extrusion GmbH](#)
- 5:15 **THE PLASTICS WORLD - OIL MOVEMENT & IMPACT ON PLASTICS TREND**
- 5:45 Discussion followed by End of Day One

Luncheon Hosted by



BIOP
BIOPOLYMER
TECHNOLOGIES AG

1800 – 1900 hrs. *Cocktail Reception*
for Speakers & Delegates

Day 2

Wednesday, 16th May 2007

- 9:00 Chairman's Introduction
- 9:05 **SUSTAINABLE ECO-PLASTICS – EMERGING NEW INDUSTRY IN CHINA**
George Chen Guoqiang, Vice Director
China Degradable Plastics Specialized Committee
- 9:35 **BIODEGRADABLE PLASTICS MARKET OUTLOOK IN KOREA**
 - Demand/supply outlook
 - Projections of growth & key applications
 - IRe Chemical's commercialization & Expansion plans
 - Technological advancement & challenges aheadJin-Tae Cho, Marketing Director
IRe Chemical Ltd
- 10:05 **DUPONT'S CORPORATE INITIATIVES ON SUSTAINABLE MATERIALS**
Senior Representative
DuPont Sustainable Materials
- 10:35 Discussion followed by Refreshment
- 11:05 *Panel Discussion*
MOVING TOWARDS SUSTAINABLE MATERIALS SOLUTION: RETAILERS/BRANDOWNERS PERSPECTIVE
Panelists to be advised
- 11:35 **STRATEGIES & GROWTH OF BIOPLASTICS INDUSTRY IN THAILAND**
Supachai Lorlowhakarn, Director
National Innovation Agency
- 12:00 **NOVEL PERFORMANCE BIOLOGICALS AND BIOPOLYMERS FROM NATURES TOOLBOX**
 - Discovery of novel and desired performance biologicals and biopolymers from biodiversity
 - Accessing biodiversity as a screening resource
 - Identification of novel producer strains for the fermentative production of biopolymers from renewable resources
 - Case studies for the discovery & development of novel biopolymers for industrial applicationsDr. Juergen Eck, CSO
B.R.A.I.N AG (Biotechnology Research And Information Network AG)
- 12:30 **INDUSTRIAL PRODUCTION OF PHBV IN CHINA**
Chen XueJun, Deputy GM
Tianan Biologic Material Co., Ltd, Ningbo
- 1:00 Final Discussion followed by Closing Lunch
- 2:30 End of Conference

You will network with

- CEO/Presidents • MD • GM • Business Development Directors • Sales & Marketing Manager
- Commercial Director • Technology Manager, Product Managers • R&D Directors from Biopolymers producers/suppliers • Additives producers/suppliers
- Brands owners & retailers • Processors/Converters
- Financial & Academic Institutions, machinery suppliers & all who wants to get an update on the opportunities in Bioplastics industry



"Bioplastics shows signs of a boom in 2006 - Outlook is excellent – further investment required to expand capacities"

European Plastics, 21 Nov 06

"Metabolix announces \$200m bioplastics factory"

14/12/06 Packwire.com

Bioplastics is experiencing strong growth in Europe/USA and some companies are predicting that the market will grow by about 20 per cent a year. Will there be enough raw materials to meet the growing demand? How soon will expansion be completed? Will Asia contribute to the growth or turning itself into a processing powerhouse for the bio economy?

Growing environmental awareness and **regulatory pressures** are driving companies to look at **alternative materials**. **Bioplastics** could be one of the solution to address the problem. Taiwan & Hong Kong are looking into legislation to reduce plastics waste. Does it offers opportunities for bioplastics suppliers?

Adoption of bioplastics is gaining momentum in Korea & Japan, and Toray is setting up a full-scale commercial PLA film & sheet plant in Korea to take advantage of the opportunities.

China being host to the **2008 Olympic games** as well as the **World Expo 2010** is also exploring the potential of bioplastics use. What are the applications likely to be under consideration, when will a decision be made and the supply criteria?

Research into bioplastics is taking place daily around the world to come up with novel innovations and economically viable solutions to gain market share from hydrocarbon plastics. What are the status of these innovations and what are the new materials available?

CMT's **BioPolymer Markets** conference will bring together leading panel of experts to discuss pertinent issues and exchange latest industry development. Some of the issues to be discussed include :

- **Global outlook & developments of bioplastics**
- **Managing carbon – a definitive role for bioplastics**
- **A technology roadmap – current status and looking into the future**
- **Brand owner's perspectives on bioplastics' application**
- **Production & processing challenges**
- **New opportunities & key applications**

Don't hesitate! Send in your registration today to sasha@cmtsp.com.sg or log on to our website at www.cmtevents.com for more information.

Program topics, speakers and schedules listed herein are confirmed as at printing time. Please refer to the event's **Latest Schedule** at www.cmtevents.com for most up-to-date details.



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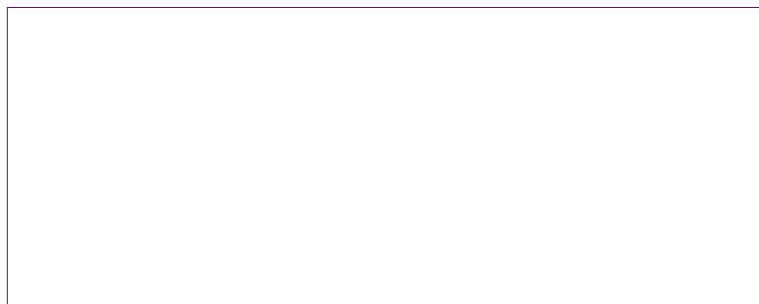
Fees: The full Registration Fee includes cost of all sessions, luncheon, coffee/tea & CD documentation.

	1 Person	Group fee for 2 or more* (from the same company)
Early Bird Fee *Register & Pay before 14 Apr. 07	USD1,195 (SAVE USD100)	USD995 (MIN SAVINGS OF USD600)
Regular Fee	USD1,295	USD1,095 (MIN SAVINGS OF USD400)

* **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, May, 2007



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CONFERENCE VENUE

CMT has arranged special discounted room rate at HK\$960 ++ (Standard Single/Double Room) per room per night (subject to room & rate availability) for delegates at **Regal Hongkong Hotel**. Buffet Breakfast at additional HK\$120 ++ per person per day. Please reserve your room with the hotel directly, providing full credit card number and expiry date to:

Winca Lee, Assistant Sales Manager, **Regal Hongkong Hotel**

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Cut off Date for Room Booking: 1 May 2007

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 Contact [cynthia@cmtevents.com.sg](mailto:cynthia@cmtevents.com) or (65) 6346 9132.

~ CMT'S UPCOMING EVENTS ~

BioRefintec

24 - 25 April 2007 • Amsterdam

"Opportunities for Biomass applications in Refineries & Investments in Biorefinery Technologies"



Biofuels Supply Chain

7 - 8 June 2007 • Singapore

"Tackling the Blending, Shipping, Storage and Trading Aspects of Ethanol and Biodiesel"

- Global trade & pricing outlook for ethanol and biodiesel
- Legislation and tariff structure on ethanol imports
- Storage care and handling
- Revision of MARPOL Annexes and impact on biofuels industry
- Blending and monitoring for quality

2007 biofuels & feedstocks

23 - 24 May 2007 • Manila

Keynote Opening Address by
President Gloria Macapagal-Arroyo
 of the Republic of Philippines

"Moving Forward with Biofuels - From Feedstocks to Exports"

Cover wide range of biofuels commercialization and marketing issues, **INCLUDES** interactive panel discussion with key govt officials and oil companies

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