

BIOPLASTICS

COMPOUNDING & PROCESSING 2013

International industry conference on the profitable use of bioplastics



May 7-8, 2013
Hilton Miami Downtown,
Miami, Florida, USA

Images courtesy of: BRASKEM AMERICA, INC.
and FKUR PLASTIC CORP.

SPECIAL OFFER: Save \$200 if you register before March 29, 2013

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May 7-8, 2013

Hilton Miami Downtown, Miami, FL, USA

Bioplastics continue to draw huge attention from retailers, brand owners and end users. This new class of polymer materials promises to play a key role in meeting consumer demand for more sustainable products that minimize environmental impact during manufacture, use and end-of-life.

However, developing alternatives to today's established petrochemical-based plastics is no easy task. The performance and processing properties of bioplastics are not always inferior but are often very different. That presents huge challenges for those looking to adopt these new resins without incurring a considerable cost premium or delivering a poor user experience.

AMI's third international conference on Bioplastics Compounding and Processing, which takes place at the Hilton Miami Downtown in Miami in Florida, will explore the progress polymer and additive suppliers are making in adapting bioplastics to meet demanding end user requirements without sacrificing sustainability. Delegates will learn from leading polymer and additive suppliers about the latest innovations in bioplastics modification and how these can be incorporated into their own product offerings.

The Bioplastics Compounding and Processing conference's international line-up of expert speakers will also explain how the bioplastics marketplace is adapting to changing end user and consumer expectations. Biodegradability is giving way to sustainability, end-of-life options are turning from disposal to recycling.

Much of the growth in bioplastics production over the coming years is forecast to be in durable biobased polymers, either renewable versions of today's widely used resins or completely new polymer families. Developing polymers that meet these new market requirements will call for deep understanding of the latest standards and regulation.

Compounders and processors will need to be familiar with standards such as ASTM D6400 and D6866 and must understand how to comply with programs such as the USDA's Biopreferred Initiative.

Bioplastics Compounding and Processing will present attendees with an unmatched opportunity to engage with experts from around the world. The event will allow attendees to explore the potential for these new materials in the North American market and to gain valuable insight into the latest material and processing advances and most promising application areas.

CONFERENCE HOTLINE

Contact: **Stephanie Berchem, Conference Coordinator**
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Tuesday, May 7, 2013

8:00 Registration and welcome coffee
9:00 Opening announcements

SESSION 1 – BIOPLASTICS MARKETS AND DRIVERS

9:10 **World bioplastics markets: Drivers, monomer and polymer developments, and economics**
Dr. Terence A. Cooper, CEO,
ARGO GROUP INTERNATIONAL, United States

9:40 **The use of bioplastics in IT applications**
Dr. Joe Kuczynski, STSM,
IBM, United States

10:10-10:40 Coffee break

SESSION 2 – DEVELOPING BIOPLASTICS FOR MARKET REQUIREMENTS

10:40 **Case studies on the commercialization of bio-materials**
Mr. Roger Avakian, Vice President, Scientific Development,
POLYONE CORPORATION, United States

11:10 **Sustainability in biopolymers – Braskem's green polyethylene**
Mr. James A. Kahn, Commercial Manager,
BRASKEM AMERICA, INC., United States

11:40 **High performance bioblends – Tailored to a wide range of applications**
Mr. Patrick Zimmermann, Director Marketing and Sales,
FKUR PLASTIC CORP., United States

12:10-1:40 Lunch

SESSION 3 – OPTIMIZING PLA PERFORMANCE AND PROCESSING

1:40 **Compounded PLA solutions for the durables market**
Mr. Frank Diodato, Global Segment Leader, Durables,
NATUREWORKS LLC, United States

2:10 **Improving HDT and processing of PLA based compounds by adding PDLA to induce high levels of crystallinity**
Mr. Hugo Vuurens, Director Business Development PLA,
PURAC BIOCHEM BV, Netherlands

2:40 **Poly (lactic acid) performance and process improvement with additives and masterbatches**
Mr. Edwin Tam, Manager, New Strategic Initiatives,
TEKNOR APEX COMPANY, United States

3:10-3:40 Coffee break

SESSION 4 – COMPOUNDING AND PROCESSING SYSTEMS

3:40 **Process flexibility for compounding biopolymers**
Dr. Paul Andersen, Director, Process Technology,
COPERION CORPORATION, United States

4:10 **Innovative biopolymer processing: the MRS devolatilising extruder**
Dr. Monika Gneuss, VP/Sales & Marketing Manager,
GNEUSS, INC., United States

4:40 **Tri-kneader: next generation compounding**
Mr. Michael F. Lazorchak IV, Global Product Manager,
B&P PROCESS EQUIPMENT AND SYSTEMS, LLC, United States

5:10-6:40 Cocktail Reception

Wednesday, May 8, 2013

8:30 Welcome coffee
9:00 Opening announcements

SESSION 5 – GROWING THE BIOPLASTICS MARKET

9:10 Locking in top bioplastics demands for sustained growth
Mr. Kalib Kersh, Analyst,
LUX RESEARCH, United States

9:40 Global bio-PLA industry: key growth drivers & constraints
Mr. Sumit Sharma, Senior Research Analyst,
BEROE INC., India

10:10-10:40 Coffee break

SESSION 6 – MODIFICATIONS OF BIOPLASTICS

10:40 **Bioplastics: from reactive extrusion to high performance nanocomposite materials**
Prof. Philippe Dubois, Full Professor, Vice-President/Rector for Scientific Research
UNIVERSITY OF MONS - UMONS, Belgium

11:10 **Utilizing hydrocerol chemical foaming agents to reduce density in PLA sheet**
Mr. Kirk Jacobs, Director,
CLARIANT, United States

11:40 **Petro- and renewable biopolymer sourced polymeric coupling agents for (bio) polymer compounds**
Dr. Karlheinz Hausmann, R&D Fellow- Sustainability Technology Leader,
DUPONT DE NEMOURS INTL S.a.r.l., Switzerland

12:10-1:40 Lunch

SESSION 7 – FUTURE DEVELOPMENTS IN BIOPLASTICS

1:40 **Biobased thermoplastic elastomers**
Dipl.-Ing./Dipl.-Chem. Stephanie Baumann, Academic Employee,
SKZ-KFE gGmbH, Germany

2:10 **Biodegradability & mechanical properties of PPC-PBAT, PPC-PHB blends**
Mr. Sung-ik (Kevin) Kim, Senior Researcher,
SK INNOVATION, South Korea

2:40 Afternoon wrap up and questions

3:00 Conference ends

*AMI reserves the right to alter the program without notice.
The latest program including any new speakers or changes to schedules can be viewed on our website www.amiplastics-na.com*

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CONFERENCE VENUE

The Hilton Miami Downtown hotel is located in the heart of Miami, Florida where you can overlook Biscayne Bay and the downtown skyline; positioned only ten minutes from the most amazing world-class beaches which fosters a variety of recreational activities. The Hilton Miami Downtown is accessible by the Metro Mover which will transport you to an eclectic variety of restaurants and shopping.

FIVE GOOD REASONS WHY YOU SHOULD ATTEND:

- 1. Learn about the latest developments in additive and modification technology**
- 2. Hear how brand owner and consumer perception is changing the bioplastics market**
- 3. Network with leading international bioplastics market and technology experts**
- 4. Gain in-depth understanding of important bioplastics standards and regulation**
- 5. Find out more about the newest processing and compounding innovations**

Organized by:

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