

“The Future for Bioplastics Feedstocks”

The Omni Orlando Resort, Orlando, FL

February 20, 2012

Jim Lunt & Associates LLC



Plastics that are completely or partially derived from renewable resources are advancing and consolidating their position as viable alternatives for both single-use disposable and durable recyclable products. However, as consumer awareness and demand to displace oil-based plastics increases, a new dynamic is emerging. Brand owners and consumers concerned about the impact on food availability and prices are increasingly asking:

“When will you be able to use biomass products instead of food- use materials to make bioplastics?”

Presently, the major bioplastic feedstocks are sugar based, derived primarily from edible plants such as corn, sugar beet etc. Although companies are already beginning the transition to other purpose grown industrial crops such as sugar cane, sorghum or cassava, biomass remains the ultimate goal.

This whole day seminar will address this question from three perspectives:

- ❖ How justified is the concern over food-based renewable feedstocks for bioplastics?
- ❖ When can such a transition to waste biomass feedstocks and derived products realistically occur; which feedstocks are already being considered; and what are the challenges?
- ❖ Who are the emerging leaders in converting biomass to intermediates and bioplastics?

A select group of world renowned industry experts at **THE FUTURE FOR BIOPLASTICS FEEDSTOCKS** will cover the above aspects of this critical question.

This cutting edge seminar targets decision maker of all disciplines who wish to enhance their knowledge and participation in the continuing drive to reduce the global dependence on oil-based materials.

If you are interested in being a sponsor, please contact Jim Lunt at jl@jimluntllc.com or at 952 476 2987. Coca Cola is the Platinum sponsor. M&G is a silver sponsor. Gold sponsorship is still available. Attendee registration for the seminar and discounted hotel rate are now available through the website <http://www.innovationtakesroot.com/conference/pre-conference-events/future-feedstocks.aspx>

Registration cost is \$750. **Space is limited so you should register as early as possible.**

The complete agenda with confirmed speakers and their presentation topics is provided below:

The Future for Bioplastics Feedstocks

AGENDA:

7:00-8:00 Registration & Continental Breakfast

8:10-8:20 Welcome:
Jim Lunt, Managing Director, Jim Lunt & Associates LLC

SESSION 1: HOW JUSTIFIED IS THE CONCERN OVER FOOD-BASED RENEWABLE FEEDSTOCKS FOR BIOPLASTICS?

Session Moderator: Brenda Platt
Co.Chair, Sustainable Biomaterials Collaborative

8:20-8:45 "Agricultural Feedstocks and Bioplastics"
John Williams, Head of Materials for Energy & Industry, NNFCC, York, UK

8:45-9:10 "More With Less on a Finite Planet
—Balancing the Demand for Bioplastics with Increasing Food Needs"
Erin Simon, Senior Program Officer – Packaging, World Wildlife Fund

9:10-9:35 "USDA's Perspective via the BioPreferred Program"
Kate Lewis, Deputy Program Manager, BioPreferred, USDA

9:35-10:00 "Myths and Reality of Using Agricultural Feedstocks for Bioplastics"
Ramani Narayan, Professor, Chemical and Biochemical Engineering, MSU.

10:00-10:30 Coffee and Networking

10:30-10:55 "Strategic Innovation – Nike's Perspective on Bio-based Materials"
Eraina Duffy, Sustainable Materials Specialist, Nike

10:55-11:45 Panel Session
Moderator: Jim Lunt

John Williams, Kate Lewis, Erin Simon, Ramani Narayan, Eraina Duffy, Shell Huang (Research Fellow, Packaging, Coca Cola).

11: 45-1:00 Lunch

12:35-1:00 Lunch Topic:
"Sugar: the Bridge from Biomass to Bioplastics"
Mike Hamilton, CEO, Renmatix

SESSION 2: WHEN CAN SUCH A TRANSITION TO WASTE BIOMASS FEEDSTOCKS AND DERIVED PRODUCTS REALISTICALLY OCCUR; WHICH FEEDSTOCKS ARE ALREADY BEING CONSIDERED; AND WHAT ARE THE CHALLENGES?

Session Moderator: Jim Lunt

- 1:00-1:25 "The State of the Art in Alternative Feedstocks for Bioplastics"
Doug Cameron, Co President, First Green Partners
- 1:25-1:50 "Streamlining the Biomass Supply Chain"
Kevin Triemstra, CEO/Founder, Minneapolis Biomass, Exchange
- 1:50-2:15 "Biobased Feedstocks a NatureWorks Perspective"
Bill Suehr, COO, Natureworks LLC.
- 2:15-2:45 Coffee & Networking

SESSION 3: WHO ARE THE EMERGING LEADERS IN CONVERTING BIOMASS TO INTERMEDIATES AND BIOPLASTICS?

Session Moderator: Stevie Morgan
Managing Director, Bio4Packaging

- 2:45-3:10 "Virent's BioForming® Technology – Bio-based Feedstocks to Commercially Viable Polymer Intermediates"
Kieran Furlong, Director of Chemicals, Virent
- 3:10-3:35 "Propylene, Isobutene, Butadiene and other Light Olefins From Different Renewable Feedstocks"
Thomas Buhl, Head of Business Development, Global Bioenergies S.A
- 3:35-4:00 "M&G's bio PET, a Technological Breakthrough for Sustainable Packaging"
Cécile Bourland, Director, M&G Group
- 4:00- 4:25 "Building Blocks for the Sustainable Economy"
Cora Leibig, VP Research & Development, Segetis
- 4:25-4:50 "Creating biobased building blocks for bioplastics"
Chris Gidopoulos, Senior Director, Corporate Development, Myriant Technologies
- 4:50-5:00 Wrap up Comments
Jim Lunt.