

Bio-based Materials: Ready for Mainstream?

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Agenda

8:00 a.m. Registration and Networking Breakfast

8:30 a.m. Welcome – Dr. Jay Baron, President & CEO

Introductions and Moderator: Valerie Sathe Brugeman, Senior Project Manager, CAR

- **Joshua Cregger**, Project Manager, Sustainability & Economic Development Strategies, CAR
- **Dr. Ellen Lee**, Technical Specialist, Materials Research R&A, Ford Motor Company
- **Dr. Rose Ann Ryntz**, Senior Director, Advanced Engineering, International Automotive Components (IAC)

Networking Break

- **Jim Preston**, Vice President, Business Development, RheTech
- **Henning Karbstein**, Manager, New Business Development and Idea Management, BASF
- **Q&A - Panel of Speakers**

11:00 a.m. Adjourn



What Are Bio-Based Materials?

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Products made from renewable feedstocks that replace conventional materials



What Are Bio-Based Materials?

Natural Fibers:

- Flax
- Hemp
- Sissal
- Kenaf
- Wheat straw



Replace:

- Fiberglass
- Talc



Become Fillers and Reinforcements in:

- Interior door panels & storage bins
- Trim
- Package trays
- Seatbacks
- Engine covers



Bio-based Polymers:

- Soybeans
- Corn
- Castor beans
- Sweet potatoes



Replace:

- Petroleum-Based Polymers

Become Foams and Composites:

- Foam seating
- Headliners
- Seat frames
- Floor mats



Who Is Interested?



Bio-Based Materials Project Goals

- Build employment and facilitate new investment in bio-based materials manufacturing
- Identify and meet with stakeholders involved in the bio-based materials space
- Create a roadmap report describing gaps and opportunities to make products commercialization-ready



Bio-Based Materials Project Details

- Make it in America Challenge
- Project Partners
 - National Center for Manufacturing Sciences
 - Michigan Manufacturing Technology Center
 - Macomb Community College
 - Macomb/St. Clair Workforce Development Board
- Three year program
 - October 2013 - September 2016



Questions About the Report?

Contact Us:

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