

Cellulose Nanomaterials – A Path Towards Commercialization

*A Workshop Co-Sponsored by
USDA Forest Service
National Nanotechnology Initiative*

May 20 -21, 2014

*USDA Patriot Plaza III
355 E St., SW, Washington D.C.*

	<i>May 20, 2014</i>
<i>8:00 am – 8:30 am</i>	<i>Registration Breakfast and Coffee</i>
<i>8:30 am - 8:45 am</i>	<i>Welcome Remarks Mr. Tom Vilsack, Secretary of Agriculture (invited)</i>
<i>8:45 am – 9:15 am</i>	<i>Welcome Remarks Mr. Tom Kalil, Deputy Director for Technology and Innovation, OSTP</i>
<i>9:15 am – 9:45 am</i>	<i>Cellulose Nanomaterials – Technical State of the Art Dr. Robert Moon, Forest Products Laboratory and IPST at Ga Tech</i>
<i>9:45 am – 10:00 am</i>	<i>Charge to the Workshop</i>
<i>10:00 – 10:20 am</i>	<i>Break</i>
<i>10:20 am – 12:00 pm</i>	<i>Federal Panel</i> <i>Dr. Cindi West, Associate Deputy Chief for R&D, Forest Service</i> <i>Mr. Tom Kalil, Deputy Director for Technology and Innovation, OSTP</i> <i>Dr. Dev Shenoy, Chief Engineer, AMO, DOE</i> <i>Dr. Michael Meador, Nanotechnology Program Manager, Game Changing Technology, NASA Glenn Research Center</i> <i>Dr. Chuck Geraci, Coordinator, Nanotechnology Research Center, National Institute for Occupational Safety and Health</i> <i>Each Panelist will speak for 10 minutes followed by a facilitated Q&A and Open discussion</i>
<i>12 pm – 1:30 pm</i>	<i>Lunch</i> <i>Proposed lunch speaker: Tom Connelly – DuPont (Tentative)</i>
<i>1:30 pm – 3:00 pm</i>	<i>Large Volume User Panel</i> <i>Mr. Travis Earles, Technology Manager, Lockheed Martin</i>

	<i>Dr. Orlando Rojas, Professor, Departments of Forest Biomaterials and Chemical & Biomolecular Engineering, North Carolina State University</i> <i>(Panelist for Transportation TBD)</i> <i>Each Panelist will speak for 10 minutes followed by a facilitated Q&A and Open discussion</i>
<i>3:00 pm – 3:20 pm</i>	<i>Break</i>
<i>3:20 pm – 4:50 pm</i>	<i>Paper, Packaging, Food and Beverage Panel</i> <i>Ms. Beth Cormier, Vice President for R&D and Technology, SAPPI Paper</i> <i>Dr. Ed Socci, Director of Beverage Packaging, PepsiCo Advanced Research</i> <i>Dr. Bernard Cathala, Group Leader of Nanostructured Assemblies and Deputy Director of the Biopolymer, Interaction and Assembly Unit, National Agronomical Research Institute, Nantes, France</i> <i>Each Panelist will speak for 10 minutes followed by a facilitated Q&A and Open discussion</i>
<i>4:50 pm – 5:00 pm</i>	<i>Closing Remarks of the Day</i>
<i>5:00 pm</i>	<i>Adjourn</i>
	<i>May 21, 2014</i>
<i>8:00 am – 8:30 am</i>	<i>Registration</i> <i>Breakfast and Coffee</i>
<i>8:30 am – 8:45 am</i>	<i>Recap of yesterday's program, Expectation for today's program</i>
<i>8:45 am – 9:00 am</i>	<i>Lead off</i> <i>Dr. Toif Carim, Assistant Director for Nanotechnology, OSTP</i>
<i>9:00 am – 10:30 am</i>	<i>Specialty Applications Panel</i> <i>Dr. Jack Ma, University of Wisconsin</i> <i>Dr. Cliff Eberle, ORNL</i> <i>Dr. Mark Harmer, DuPont (tentative)</i> <i>Each Panelist will speak for 10 minutes followed by a facilitated Q&A and Open discussion</i>
<i>10:30 am – 10:45 am</i>	<i>Break</i>
<i>10:45 am – 12:15 pm</i>	<i>Challenges and Opportunities in Manufacturing Panel</i> <i>Dr. Kim Nelson, Vice President for Government Affairs, API</i> <i>Mr. Jean Moreau, CEO, CelluForce</i> <i>Dr. Mike Bilodeau, University of Maine</i>

	<i>Mr. Yoram Shkedi, Melodea</i> <i>Each Panelist will speak for 10 minutes followed by a facilitated Q&A and Open discussion</i>			
<i>12:15 pm – 1:20 pm</i>	<i>Lunch</i>			
<i>1:20 pm – 1:30 pm</i>	<i>Reconvene session, charge for breakout</i>			
<i>1:30 pm – 3:30 pm</i> <i>Four breakouts in the same room</i>	<i>Breakout 1:</i> <i>large volume users</i>	<i>Breakout 2:</i> <i>Paper, Packaging and Food</i>	<i>Breakout 3:</i> <i>Specialty Applications</i>	<i>Breakout 4:</i> <i>Challenges and Opportunities in Manufacturing</i>
<i>3:30 pm - 3:45 pm</i>	<i>Break</i>			
<i>3:45 pm – 4:30 pm</i>	<i>Breakout Reports and Discussion</i>			
<i>4:30 pm – 4:45 pm</i>	<i>Next Steps:</i> <i>Action: government and industry to incorporate workshop outcome into plans of action; leverage workshop outcome to inform budget and policy</i>			
<i>4:45 pm – 5:00 pm</i>	<i>Closing Remarks</i> <i>Mr. Michael Rains, Acting Director, Forest Products Laboratory.</i>			
<i>5:00 pm</i>	<i>Adjourn</i>			