

# DRAFT AGENDA

## *Cellulose Nanomaterials – A Path Towards Commercialization*

*A Workshop Co-Sponsored by  
USDA Forest Service  
And The  
National Nanotechnology Initiative  
May 20 -21, 2014  
USDA Patriot Plaza III  
355 E St., SW, Washington D.C.*

	<b>Tuesday, May 20, 2014</b>
<b>8:00 am – 8:30 am</b>	<b>Registration</b> <b>Breakfast and Coffee – Sponsored by P<sup>3</sup>Nano</b>
<b>8:30 am - 8:45 am</b>	<b>Welcoming Remarks</b> <i>Mr. Butch Blazer, Deputy Undersecretary, USDA (Invited)</i>
<b>8:45 am – 9:15 am</b>	<b>Opening Remarks – Day 1</b> <i>Mr. Tom Kalil, Deputy Director for Technology and Innovation, OSTP</i>
<b>9:15 am – 9:45 am</b>	<b>Cellulose Nanomaterials – Technical State of the Art</b> <i>Dr. Robert Moon, Forest Products Laboratory and IPST at Ga Tech</i>
<b>9:45 am – 10:00 am</b>	<b>Charge to the Workshop</b> <i>Dr. World Nieh, National Program Lead, Forest Products, USDA Forest Service</i>
<b>10:00 – 10:20 am</b>	<b>Break – Sponsored by P<sup>3</sup>Nano</b>
<b>10:20 am – 12:00 pm</b>	<b>Federal Panel</b> <i>Dr. Cindi West, Associate Deputy Chief for R&amp;D, USDA Forest Service</i>  <i>Mr. Tom Kalil, Deputy Director for Technology and Innovation, OSTP</i>  <i>Dr. Dev Shenoy, Chief Engineer, AMO, EERE, DOE</i>  <i>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>  <b>Each Panelist will speak for 10 minutes followed by a facilitated Q&amp;A and Open discussion</b>
<b>12 pm – 1:30 pm</b>	<b>Lunch – Sponsored by P<sup>3</sup>Nano</b> <b>Keynote: Revitalizing American Manufacturing Putting "&amp;" Back into R&amp;D</b> <i>Dr. Sridhar Kota, Herrick Professor of Engineering, Mechanical Engineering, University of Michigan</i>

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<p><b>1:30 pm – 3:00 pm</b></p>	<p><b>Large Volume User Panel</b>  <i>Mr. Travis Earles, Senior Manager, Advanced Materials &amp; Nanotechnology Initiatives, Lockheed Martin</i></p> <p><i>Dr. Sridhar Kota, Herrick Professor of Engineering, Mechanical Engineering, University of Michigan (Tentative)</i></p> <p><i>Dr. Orlando Rojas, Professor, Departments of Forest Biomaterials and Chemical &amp; Biomolecular Engineering, North Carolina State University</i></p> <p><b>Each Panelist will speak for 10 minutes followed by a facilitated Q&amp;A and Open discussion</b></p>
<p><b>3:00 pm – 3:20 pm</b></p>	<p><b>Break – Sponsored by P<sup>3</sup>Nano</b></p>
<p><b>3:20 pm – 4:50 pm</b></p>	<p><b>Paper, Packaging, Food and Beverage Panel</b>  <i>Ms. Beth Cormier, Vice President for R&amp;D and Technology, SAPPI Paper</i></p> <p><i>Dr. Ed Socci, Director of Beverage Packaging, PepsiCo Advanced Research</i></p> <p><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></p> <p><b>Each Panelist will speak for 10 minutes followed by a facilitated Q&amp;A and Open discussion</b></p>
<p><b>4:50 pm – 5:00 pm</b></p>	<p><b>Closing Remarks of the Day</b>  <i>Mr. Sean Ireland, Manager of New Technologies and Market Ventures, Verso Paper</i></p>
<p><b>5:00 pm</b></p>	<p><b>Adjourn</b></p>
<p><b>Wednesday, May 21, 2014</b></p>	
<p><b>8:00 am – 8:30 am</b></p>	<p><b>Registration</b>  <b>Breakfast and Coffee – Sponsored by P<sup>3</sup>Nano</b></p>
<p><b>8:30 am – 8:45 am</b></p>	<p><b>Recap of Day 1 and Expectations for Day 2</b>  <i>Dr. Lisa Friedersdorf, Senior Scientist, NNCO</i></p>
<p><b>8:45 am – 9:00 am</b></p>	<p><b>Opening Remarks – Day 2</b>  <i>Dr. ToF Carim, Assistant Director for Nanotechnology, OSTP</i></p>
<p><b>9:00 am – 10:30 am</b></p>	<p><b>Specialty Applications Panel</b>  <i>Dr. Jack Ma, University of Wisconsin</i></p> <p><i>Dr. Cliff Eberle, ORNL</i></p> <p><i>Dr. Brian O’Connor, FPInnovations</i></p> <p><b>Each Panelist will speak for 10 minutes followed by a facilitated Q&amp;A and Open discussion</b></p>

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<b>10:30 am – 10:45 am</b>	<b>Break – Sponsored by P<sup>3</sup>Nano</b>			
<b>10:45 am – 12:15 pm</b>	<b>Challenges and Opportunities in Manufacturing Panel</b> <i>Dr. Kim Nelson, Vice President for Government Affairs, API</i>  <i>Mr. Jean Moreau, CEO, CelluForce</i>  <i>Mr. Mike Bilodeau, University of Maine</i>  <i>Mr. Yoram Shkedi, Melodea</i>  <b>Each Panelist will speak for 10 minutes followed by a facilitated Q&amp;A and Open discussion</b>			
<b>12:15 pm – 1:20 pm</b>	<b>Lunch – Sponsored by P<sup>3</sup>Nano</b> <b>Introductions to P<sup>3</sup>Nano</b> <i>Mr. Michael Goergen, Director, P<sup>3</sup>Nano</i>			
<b>1:20 pm – 1:30 pm</b>	<b>Reconvene session, charge for breakout (Fred Hanson, Energetics)</b>			
<b>1:30 pm – 3:30 pm</b> <b>Four breakouts in the same room</b>	<b>Breakout 1:</b> Large Volume Users	<b>Breakout 2:</b> Paper, Packaging and Food	<b>Breakout 3:</b> Specialty Applications	<b>Breakout 4:</b> Challenges and Opportunities in Manufacturing
<b>3:30 pm - 3:45 pm</b>	<b>Break – Sponsored by P<sup>3</sup>Nano</b>			
<b>3:45 pm – 4:30 pm</b>	<b>Breakout Reports and Discussion</b> <i>Dr. World Nieh, USDA Forest Service and Mr. Fred Hansen, Energetics</i>			
<b>4:30 pm – 4:45 pm</b>	<b>Closing Remarks</b> <i>Dr. Ted Wegner, Assistant Director, USDA Forest Service, Forest Products Laboratory</i>			
<b>4:45 pm</b>	<b>Adjourn</b>			