

Time	NISTWorkshop on Measurement Needs for Cellulose Nano Materials
8:00 AM	Registration and Coffee
8:30 AM	Welcome and Introductory Remarks-Jeff Gilman
	Plenary presentations, 10-minute followed by 5 mins of Q&A
9:00 AM	Alan Rudie (Forest Products Lab USDA, Manufacturing)
9:15 AM	Kim Nelson (American Process, Inc. Manufacturing)
9:30 AM	Robert Moon (USDA, Research and Development)
9:45 AM	Sean Ireland (Verso Paper, Manufacturing)
10:00 AM	Linda Johnston (National Research Council Canada, Standards)
10:15 AM	Coffee Break
10:30 AM	Wadood Hamad (Principal Scientist, FPIInnovations, Product development/Manufacturing)
10:45 AM	Mike Bilodeau (University of Maine, Manufacturing)
11:00 AM	Aaron Forster (NIST, Service Life prediction for Cellulose Nanomaterials)
11:15 AM	Joanne Shatkin (Vireo Advisors, Standards)
11:30 AM	Breakout instructions
11:45 AM	Working Lunch (provided) in Breakout Session rooms
12:00 PM	Breakout Sessions: Parameters of interest Three concurrent sessions
	Manufacturing Session: Facilitated by Mike Postek (NIST) and Alan Rudie (FPL/USDA)
	Research and Development Session: Facilitated by Chelsea Davis (NIST) and Johan Foster (Fribourg)
	Standards Session: Facilitated by Andras Vladar (NIST) and World Neih (USDA)
2:00 PM	Coffee Break
2:30 PM	Breakout Session Reports & Closing Remarks - Single session
2:45 PM	Manufacturing Breakout Summary
3:15 PM	Research and Development Breakout Summary
3:45 PM	Standards Breakout Summary
4:30 PM	Concluding remarks -Adjourn