

International Wood Composites Symposium 2013

Market Dynamics, Product Development, Process Innovation

**Seattle, Washington, USA
3 – 4 April 2013**

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Program Agenda

PRE-SYMPOSIUM: Tuesday, April 2, 2013 Red Lion on Fifth Avenue Seattle, Washington	
5:00 pm–7:00 pm	Welcome Reception Hosted by WSU and APA— <i>The Engineered Wood Association</i> Seattle Ballroom 2
Day 1: Wednesday, April 3, 2013 Red Lion on Fifth Avenue Seattle, Washington	
7:30 am	Symposium Check-in/Registration Open
7:30 am–8:30 am	Continental Breakfast
8:30 am	Welcome Seattle Ballroom 2-3 Vikram Yadama and Robert Tichy Symposium Committee Co-Chairs <i>Distinguished Service Award</i>
KEYNOTE SESSION Seattle Ballroom 2-3	
	Moderator: Robert Tichy, Washington State University
8:50 am	Lynn O. Michaelis, President Strategic Economic Analysis, LLC <i>Happy days are nearly here again!</i>
9:30 am	Dennis Hardman, President/CEO APA— <i>The Engineered Wood Association</i> <i>Opportunities and challenges in a recovering economy</i>
10:00 am	Break
10:30 am	Tom Julia, President Composite Panel Association <i>Competitive and regulatory outlook for the North American composite panel industry: Are better days ahead?</i>
11:00 am	C.T. “Kip” Howlett, President Hardwood Plywood & Veneer Association <i>Engineered hardwoods addresses its challenging future</i>
11:30 am	Ivan Eastin, Professor and Director, CINTRAFOR University of Washington <i>Outlook and policy background of demand for wood products in China</i>
12:00–1:00 pm	Lunch
1:00 pm	Kirk Myers, Corporate Social Responsibility Manager Recreational Equipment, Inc. (REI) <i>Rethinking the supply chain—REI’s perspective</i>
1:30 pm	Justin Price, Engineering Manager & Principal Evergreen Engineering, Inc. <i>Engineering for product quality</i>
2:00 pm	Break

Wednesday agenda continued on next page.

Wednesday, April 3, 2013
continued

	Fiber and Particle-based Composites: New Products and Processes <i>Seattle Ballroom 2-3</i>	Engineered Wood Products: New Products and Processes <i>Belltown Room</i>
	Moderator: Todd Brinkmeyer, Plummer Forest Products	Moderator: Ken Pratt, Olympic Panel Products
2:30 pm	Keith Mays, Vice President Electronic Wood Systems North America <i>New on-line scanning technologies to measure finished panel area-weight and dimensions</i>	Mike McCollum, National Sales Manager Roseburg Forest Products Company <i>Engineered wood products' continued impact on the wood products industry</i>
3:00 pm	Jan T. Benthien, Research Assistant Thünen Institute of Wood Research, Germany <i>Determination of MDF fiber size distribution: Requirements and innovative solution</i>	Borjen Yeh, Director, Technical Services Division APA— <i>The Engineered Wood Association</i> <i>Cross laminated timber (CLT) in North America</i>
3:30 pm	Panagiotis Nakos, Senior Representative Chimar Hellas, S.A., Greece <i>Optimized particle size distribution to increase particleboard profitability</i>	Tony Pugel, Senior Process Technologist LP Building Products <i>How to make 2.0E stiffness laminated strand lumber (LSL) and make money</i>
4:00 pm	Saim Ates, Associate Professor Kastamonu University, Turkey <i>Effects of thermal treatment on medium density fiberboard (MDF)</i>	Scott Leavengood, Director, Oregon Wood <i>Advances in hardwood veneer checking research</i>
4:30 pm	Cole Martin, Area Sales Manager Dieffenbacher USA, Inc. <i>Latest developments in modern particleboard production</i>	Harry Moore, Manager, Research and Development Metriguard, Inc. <i>An improved sonic method for grading glulam stock</i>
5:00 pm–6:30 pm	Technical Forum Poster Session <i>Browse through poster displays and talk with vendors</i> Reception during Technical Forum <i>Complimentary wine and beer, hearty hors d'oeuvres</i>	

Day 2: Thursday, April 4, 2013
Red Lion on Fifth Avenue
Seattle, Washington

7:30 am	Symposium Check-in/Registration Open	
7:30 am–8:30 am	Continental Breakfast	
	Fiber and Particle-based Composites: New Products and Processes <i>Seattle Ballroom 2-3</i>	Engineered Wood Products: New Products and Processes <i>Belltown Room</i>
	Moderator: Steve Paulson, Temple-Inland	Moderator: David Kruse, Flakeboard
8:30 am	Elena Tikhonova, PhD Student Technological Institut FCBA, France <i>Mattress layering to use alternative fibrous materials in fiberboard manufacture</i>	Juergen Bonigut, Scientist Institute of Wood Technology Dresden (IHD), Germany <i>Comparing selected properties of thermally treated oriented strandboards</i>
9:00 am	Michael Hurst, President & CEO ChloroFill, LLC <i>Sorghum-based alternatives to bamboo and other engineered wood products</i>	Chunping Dai, Principal Scientist FPInnovations, Canada <i>Characterization and simulation of strand alignment in strand-based products</i>

Thursday agenda continued on next page.

Thursday, April 4, 2013
continued

9:30 am	Brian Seenandan, Vice President TreeFree Biomass Solutions <i>Nilefiber™ for composite panel production</i>	Alain Cloutier, Professor; Director, Wood Research Centre Laval University, Canada <i>Thermo-hygromechanical densification of aspen and sugar maple wood</i>
10:00 am	Break	
Adhesives and Coating Technology <i>Seattle Ballroom 2-3</i>		
	Moderator: Brent Olson, Jeld-Wen, Inc.	
10:30 am	Martin Ohlmeyer, Senior Researcher Thünen Institute of Wood Research, Germany <i>European approaches to measure and assess emissions of volatile organic compounds (VOCs) with examples of how this affects wood products</i>	
11:00 am	Mark Gruenwald, Director of Product Safety Momentive Specialty Chemicals, Inc. <i>Formaldehyde safety – Informed by 30+ years of scientific research</i>	
11:30 am	Joseph Marcinko, Principal Scientist and President Polymer Synergies, LLC and BioPolymer Technologies, LTD <i>Using vintage chemistry (circa 1886) to understand PMDI/protein hybrid adhesives</i>	
12:00–1:00 pm	Lunch	
	Moderator: Brent Olson, Jeld-Wen, Inc.	
1:00 pm	Marc A. Strand, Research Associate Eastman Chemical Company <i>Effect of thermoplastic coatings on the MOR and MOE of engineered wood products</i>	
1:30 pm	Gregory D. Smith, Associate Professor, Department of Wood Science University of British Columbia, Canada <i>Strand-boom interactions in an OSB rotary drum blender</i>	
2:00 pm	Anton Smit, Global Business Unit Manager Sasol Wax North America <i>Efficiency and quality: The influence of modern hydrophobing additives</i>	
2:30 pm	Sheldon Shi, Associate Professor North Texas University <i>Performance enhancement of soy protein based adhesive by incorporating cellulose nanowhiskers</i>	
3:00 pm	Peter Crammond, Director RST Technology PTY, LTD, Australia <i>Adhesive tannin from Eucalyptus bark</i>	
3:30 pm	Jinwen Zhang, Associate Professor, Composite Materials and Engineering Center Washington State University <i>Use of lignin as feedstock for epoxy application</i>	
4:00 pm	Adjourn	

2013 Symposium Organizing Committee

Vikram Yadama, Washington State University

Robert Tichy, Washington State University

Karl Englund, Washington State University

Steve Zylkowski, APA—*The Engineered Wood Association*