



Wed 10th - Thu 11th October 2012
Melbourne, Australia

Tue 16th - Wed 17th October 2012
Rotorua, New Zealand

WOOD
Innovations
2012

Science - Research - Technology

Wood Innovations 2012

Improving international cost competitiveness through smart science, research and technology

www.woodinnovationevents.com

Why Wood Innovations 2012?

New Zealand and Australian forest products companies face increasing competition from low cost producers and from lower cost, better performing, non-wood products. Low costs and high fibre recovery, which can be achieved through process innovation, are prerequisites to competing in today's global forest product markets.

Traditionally, local companies have been very good at process innovation. The focus has been on improving product recovery from fibre inputs in order to lower operational costs, reduce delivery time or increase flexibility.

To improve its competitive advantage against non-wood products, the industry needs to look closely at both its business systems and product innovations.

Science, research and technology are central to this. However, we need to improve the collaboration and flow of ideas between businesses and research organisations. Because of our location and size, international partnerships are essential to augment our scientific capabilities. In some instances, it may actually be more cost effective to import relevant technologies and adapt them to local conditions rather than undertake R&D in Australasia.

A healthy and efficient manufacturing sector is also critical to the industry's future. Globally, manufacturing remains the biggest spender of applied research and innovation. To remain competitive, investment in high value added export oriented processing along with new wood product development has to be made by local companies. Organisations increasingly need to be flexible to rapidly adapt to changing market needs – including changing technologies.

Wood Innovations 2012 will provide an essential insight into new innovations, new wood products and new business systems that can be employed by local companies to attract future investment, to improve their operating efficiencies and to increase their international competitiveness.

What will Wood Innovations 2012 cover?

This Australasian technology event will provide local forest products, wood processing and manufacturing companies with a unique opportunity. Those attending this new Australasian technology programme will be able to;

- Evaluate which products will deliver the greatest benefit to their operations in the current economic climate
- Assess which new high performance products and new markets can be developed and/or adopted to augment their existing manufacturing processes
- Discuss with key researchers and companies the opportunities available to diversify their current operations
- Hear first-hand how new technology has successfully been picked up, commercialized and taken to market.

Wood Innovations 2012 will include;

- Innovation Drivers; case studies of successful linkages between research, technology development, commercialization and adoption
- International R&D Technology Showcase: Leading global research providers will profile new product developments with application to local companies
- R&D innovations that can be adopted by local companies in;
 - Solid Wood Wood Finishing
 - Panel Products Wood Modification
 - Bio-materials Building Materials & Construction Systems

AUSTRALIA - DAY ONE – Wednesday 10 October 2012

9.15am	Registration & Coffee	
10.00am	Welcome & Introduction	<i>FIEA</i>
SESSION 1: INNOVATION – THE KEY TO INTERNATIONAL COMPETITIVENESS		
10.00-10.40am	Powering Innovation in Australia A road map for improving access to and uptake of R&D in the high value manufacturing sectors	<i>Dr. Amanda Caples, Executive Director, Science & Technology Programs, Department of Business and Innovation</i>
10.40-11.20am	The National Research, Development and Extension Strategy for Forestry and Wood Products. The changing face of R&D in our industry in Australia - strategies and structures for delivering future R&D.	<i>Brian Farmer, Chief Executive Officer, Forestry Plantations Queensland</i>
SESSION: WOOD MODIFICATION TECHNOLOGIES		
11.20am-12.00pm	Accoya Solid Wood and Tricoya Wood Elements Technologies. Pioneering work on new levels of performance and market entry for forest product companies at commercial production levels <i>(Video or phone link)</i>	<i>John Alexander, Head of Product Development, Accsys Technologies, UK</i>
12.00-1.00pm	Lunch & Networking	
1.00-1.40pm	Technology Development, Applications and Opportunities with European Wood Modification Processes- Thermal Modification, Acetylation, and Polymer Modification	<i>Professor Holger Militz, Wood Biology and Wood Products Head, Göttingen University, Germany</i>
1.40 – 2.20pm	Wood Plastic Composites. Technology Developments. Market trends including growing production from China and the impact on global WPC markets.	<i>Juan Bravo, International Technical Manager, Plastics Struktol, USA</i>
SESSION: ENGINEERED WOOD PRODUCTS/PANELS/WOOD FINISHING		
2.20-3.00pm	Dascanova Technology --new high-tech European technology integrating 3D structures into wood – based panels production	<i>Dr. Tomas Joscak, CEO, Dascanova, Austria</i>
3.00-3.30pm	Afternoon Tea & Networking	
3.30-4.00pm	Lignor – High Quality Engineered Strand Lumber and Board Products. The technology,	<i>Graeme Black, Executive Director,</i>

	the process and the progress.	<i>Lignor Ltd</i>
4.00-4.30pm	Innovative Powder Coating Technology – the first powder coating line for heat sensitive substrates like plywood, MDF and plasterboard in the Southern Hemisphere	<i>Mark Sixton, Business Development Manager/Jeff Stewart, Director & Operations Manager, Climate Surfaces, New Zealand</i>
4.30-5.30pm	Technology Managed Exhibitions	
5.30pm	Refreshments	
6.30pm	Conference Dinner	
AUSTRALIA - DAY TWO – Thursday 11 October 2012		
	INTERNATIONAL TECHNOLOGY SHOWCASE – A world tour of some of the leading R&D organisations, their capability, research projects and recent innovations	
8.30 – 8.50am	1. CLT – European experience of building with this new material and the challenges met, as well as current research topics and advanced design with CLT <i>(Video or phone link)</i>	<i>Professor Gerhard Schnickhofer, Graz University of Technology, Institute for Timber Engineering and Wood Technology, Austria</i>
8.50-9.10am	1. VTT Technical Research Centre, Finland <ul style="list-style-type: none"> • Modification and coating of wood products • Testing and novel design for wooden construction and “engineered” wood products <i>(Video or phone link)</i>	<i>Antti Kivimaa, Senior Adviser, Wood Working Industry, VTT Technical Research Centre of Finland</i>
9.10-9.30am	2. Scion, New Zealand <ul style="list-style-type: none"> • Super critical CO2 for wood modification • Wood fibre products including micro fibrillated cellulose • Bio-based products for new timber treatment and adhesives 	<i>Jeremy Warnes, Business Development Manager/ Doug Gaunt, Science Leader, Scion</i>
9.30-9.50am	3. German Research Centres & Göttingen University	<i>Professor Holger Militz, Wood Biology and Wood Products Head, Göttingen University, Germany</i>
9.50-10.20am	Morning Tea & Networking	
10.20-10.40am	4. Structural Timber Innovation Co Updates on the commercialisation of new pre-fabricated LVL and Glulam structural building systems	<i>Andrew Dunn, Chief Executive Officer, Timber Development Association (NSW)</i>

10.40-11.00am	5. FPInnovations, Canada <i>(Video or phone link)</i>	<i>Peter Lister, Research VP of Forest Products and Wood Products, FPInnovations, Canada</i>
11.00-11.20am	6. Department of Agriculture, Fisheries and Forestry Recent R&D results on solid wood, panel products & building materials and construction systems	<i>Dr Kevin Harding, Science Leader (Acting), Forestry Science, Horticulture and Forestry Science</i>
SESSION: INNOVATIVE BUILDING MATERIALS & CONSTRUCTION SYSTEMS		
11.20am-12.00pm	Manufacturing Innovative Structural Lumber Products from Small-Size Lumber. Processes for manufacturing including EWP for truss, floor and roof components, second generation CLT panel production and a new residential flooring system.	<i>Kevin Below, President, Douglas Consultants, Canada</i>
12.00-1.00pm	Lunch & Networking	
1.00-1.30pm	Emerging Technologies and Timber Products in Construction. Results from just completed FWPA research evaluating innovative building systems and products best suited to Australia	<i>Dr Perry Forsythe, Faculty of Design Architecture and Building, University of Technology Sydney</i>
SESSION: KEY SUCCESS FACTORS COMMERCIALISING R&D AND TAKING RESEARCH RESULTS TO MARKET		
1.30-2.00pm	Researching, Commercialising and Producing Modified Pine. A case study - taking fortified Radiata (Lignia™) to Europe	<i>Rick Williams, General Manager, Fibre7, New Zealand/Paul Duncan, Director, Fibre7, UK</i>
2.00-2.30pm	Wood Fibre Reinforced Plastics. A unique NZ technology licensed into Europe in 2011. Overcoming road blocks to commercialisation in Australasia.	<i>Jeremy Warnes, Business Development Manager, Scion, New Zealand</i>
2.30pm	Conference Concludes. Afternoon tea & Networking.	

NEW ZEALAND - DAY ONE – Tuesday 16 October 2012

9.15am	Registration & Coffee	
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10.00-10.40am	Powering Innovation in New Zealand. A road map for improving access to and uptake of R&D in the high value manufacturing sectors	<i>Dr. Max Kennedy, National Manager, Biological Industries, Ministry of Science & Innovation</i>
10.40-11.20am	Boosting Investment in New Zealand's Science. Improved productivity in the primary sectors through coordinated technology focussed research and innovation. New Zealand's new \$150 million Advanced Technology Institute. What is it and what's the linkage to the forest products R&D effort?	<i>Dr. Richard Templer, General Manager Advanced Manufacturing Technologies, IRL</i>
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2.00-2.30pm	Driving Economic Growth for the Primary Sectors. Drivers for change. How can we best apply science, research and technology to develop new products and enhance our production systems	<i>Colin Harvey, Managing Director, Ancare Scientific NZ Ltd</i>
2.30pm	Conference Concludes	