



# Society of Wood Science and Technology 51st Annual Convention Concepción, Chile



Technical Poster Session with Reception  
Monday, November 10, 2008 • 6:30–8:30 pm

## Authors and Affiliations

## Title of Presentations

Heber dos Santos Abreu, Natália Dias De Souza, Gisely de Lima Oliveira, Iara Grotz Moreira, and Tatiane Gosmes Costa; *Universidade Federal Rural do Rio de Janeiro, Brazil*

A Proposal of Eucalyptus Wood Identification by C NMR **WS-01**

Alfredo Aguilera, *Universidad Austral de Chile, Valdivia, Chile*

Roughness Profile and Cutting Energy in MDF Rip Sawing **WS-02**

Rubén A. Ananías, Patricio Perez, and Carlos Salinas, *Universidad del Bío-Bío, Concepción, Chile*

Drying Modeling of Canelo Regrowth **WS-03**

Violeta Bajenaru-Declerck, *Academy of Wood Sciences, Nantes, France*

The Forest Certification and Eco-Labels: A Social Progress or New Non-Tariff Barriers? **WS-04**

Aldo Ballerini A., Mario Núñez D., Andrea Wechsler P., and Ximena Bustos P., *Universidad del Bío-Bío, Concepción, Chile*

Innovation in Window and Door Profile Designs Using a Wood-Plastic Composite **WS-05**

Marius C. Barbu, *Universitatea Transilvania Brasov, Romania*; Chris van Riet, *European Panels Federation, Brussels, Belgium*

European Panels Market Development - Current Situation and Developing Trends **WS-06**

Ugo Leandro Belini, *Duratex S.A., São Paulo, Brazil*; Mario Tomazello Filho, *ESALQ/USP, Brazil*; José Tarcísio da S. Oliveira, *UFES, Brazil*

Alterations of the Anatomical Structure of Eucalypt Wood Chips in Three Refining Conditions for MDF Panels Production **WS-07**

Mario F. Benítez, *VDM Consulting Engineers Pty Ltd, Mona Vale, Australia*

Development and Testing of Timber/Concrete Shear Connectors **WS-08**

Francisco Burgos, Hernán Poblete, Marco Torres, and Ignacio Lopez, *Universidad Austral de Chile, Valdivia, Chile*

Biomass Evaluation of a *Chusquea culeou* Crop **WS-09**

Cecilia Bustos A., Justo Lisperguer M., César Moya L., Eduardo Viveros M., and Rodrigo Sepulveda, *Universidad del Bío-Bío, Concepción, Chile*

Effect of Sanding Process and Knife Wear on the Surface Quality of Radiata Pine **WS-10**

Cecilia Bustos A., *Universidad del Bío-Bío, Concepción, Chile*; Roger Hernandez and Yves Fortin, *Université Laval, Québec, Canada*

Effect of the Kiln Drying on Hardness and Machining Properties of Tamarack Wood for Flooring **WS-11**

Gilberto Carbonari, Everaldo Pletz, and Jorge Daniel de Melo Moura, *Londrina State University, Brazil*; Rafael Schmitz, *UNOESTE, São Paulo, Brazil*

Effect of External Sealing on Creep Deformations in Wooden Beams **WS-12**

Carolina Chávez H. and Felipe Baessler A., *Universidad del Bío-Bío, Concepción, Chile*; Oscar Cornejo Z., *Universidad Católica de la Santísima, Concepción, Chile*

Optimization of the Production Planning in the Supply Chain (Market-Sawmill-Harvest) Using a Game Theory Approach **WS-13**

Andrés Batista Cheung and Carlito Calil Junior, *Universidade de São Paulo, Brazil*; Malton Lindquist, *Natal, São Paulo, Brazil*

Structural Reliability of Stress-Laminated Timber Bridges **WS-14**

Pablo Crespell and Marcia Vidal, *FPIInnovations – Forintek Division, Québec, Canada*

Market and Technology Trends and Challenges for Wood Plastic Composites in North America **WS-15**

Cláudio Henrique Soares Del Menezzi, *University of Brasília, Brazil*

Relationship between Colour Modification and Dimensional Stability Improvement of a Thermally Treated OSB **WS-16**

Mauro Augusto Demarzo, *State University of Campinas (UNICAMP), São Carlos, Brazil*; A. M. Paixão, *Engexpress Engenharia Ltda, São Paulo, Brazil*

Influence of Wood Pallets Effort on the Behavior of the “Drive In” Storage Racks with One Level of Loading **WS-17**

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## Title of Presentations continued

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## Student Poster Competition:

Alawode Abiodun, *University of Ibadan, Nigeria*

Production of Wood Adhesive Made from Starch for Particle Board Manufacture **WS-57**

Oluwatosin Emmanuel Adedipe and Ben Dawson-Andoh, *West Virginia University, Morgantown, WV, USA*

Prediction of Yellow-Poplar (*Liriodendron tulipifera*) Veneer Stiffness and Bulk Density Using NIR Spectroscopy and Multivariate Calibration **WS-59**

Tobias Biechele and Leif Nutto, *University of Freiburg, Germany*;  
Eduardo Navarrette, *Universidad de Concepción, Concepción, Chile*

Growth Stress in *Eucalyptus nitens* at Different Stages of Development **WS-60**

Daniel Fuentealba, Papa Niokhor Diouf, Yves Fortin, and Tatjana Stevanovic, *Université Laval, Québec, Canada*

Characterization of Birch (*Betula papyrifera* Marsh.) Wood Discoloration During Drying **WS-61**

Victor Gaete-Martinez, Stephen M. Shaler, Russell Edgar, and Jon Hill, *University of Maine, Orono, ME, USA*

Effect of Strand Geometrical Distribution (SGD) in Oriented Strand Composite (OSC) Formation Quality **WS-62**

Zanin Kavazovic, Alain Cloutier, André Fortin, and Jean Deteix, *Université Laval, Québec, Canada*

Sensitivity Study of a Numerical Model of Heat and Mass Transfer Involved During the MDF Hot Pressing Process **WS-63**

Maria Manso Martin, Leif Nutto, and Gero Becker, *University of Freiburg, Germany*

Wood Properties of *Nothofagus betuloides* **WS-64**

Sandeep Sudhakaran Nair and Sigun Wang, *University of Tennessee, Knoxville, TN, USA*  
Donna Hurley, *NIST, Boulder, CO, USA*

Evaluation of Interphase Properties in Fiber Reinforced Polymer Composite Using Contact Resonance Force Microscopy **WS-65**

Denny Ohnesorge and Gero Becker, *University of Freiburg, Germany*;  
Klaus Richter, *EMPA, Dübendorf, Switzerland*

Influence of Different Gluing Factors on the Bonding Performance of Glued Laminated Timber made from European Beech **WS-66**

Gloria S. Oporto, Douglas J. Gardner, Lucas Andruysk, and David J. Neivandt, *University of Maine, Orono, ME, USA*

Wood Plastic Composites Manufactured from Hot Water Extracted Wood. Part 1: Mechanical Evaluation **WS-67**



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