

# SWST Newsletter

~ April 2008 ~

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## **Note from the Editor**

A reminder that the 2008 SWST Annual Meeting will be November 10-12<sup>th</sup> in Chile. Please visit <http://www.swst.org/meetings/AM08/about.html> for more information

Please send items for the June SWST Newsletter to me by the end of May.

[AdamTaylor@utk.edu](mailto:AdamTaylor@utk.edu)

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## SWST 51ST ANNUAL CONVENTION CONCEPCIÓN, CHILE

The first SWST international meeting outside of North America will be held on November 10-12, 2008 in Concepción, Chile at the Universidad del Bío-Bío, a cosponsor and co-organizer of the meeting. [Click here](#) to see other sponsors.

There will be four sessions during the first two days dealing with (1) Timber Engineering, (2) Global Trade in Forest Products, (3) Wood Quality: Challenges in the 21st Century, and (4) Advanced Processing of Timber in the 21st Century. Each session has a North American and South American Co-Chair. The last day of the Convention will be a day-long tour of the area and the forest products industry, beginning with a visit to Nueva Aldea.

EXPOCORMA has meetings November 11-15, but is a separate convention.

See [4th International Meeting on Forestry, Wood Products, Pulp and Paper](#).

For more information on the SWST meeting: <http://www.swst.org/meetings/AM08/about.html>

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## NATIONAL RESEARCH NEEDS ASSESSMENT (NRNA)

2008 National Research Needs Assessment in Wood Science and Technology

When June 25, 2008, immediately following the [FPS](#) Annual Meeting

Where St. Louis, MO, USA

Why To develop a unified and prioritized agenda for wood science and technology research needs and opportunities among industry, universities, and government agencies. A similar workshop will be conducted by the American Society of Civil Engineers in May at its 2008 World Structures Congress, Vancouver, BC, Canada. Information from both workshops will be assimilated into a cohesive research needs assessment.

Background: The primary motivation for the National Research Needs Assessment is to create a unified vision of research needs in wood science and technology (WS&T). This activity has been previously conducted under the auspices of a variety of organizations, especially [NAPFSC](#) and then [NAUFRP](#), but has languished in recent years. To counter that loss, [ASCE](#) members decided to conduct a working conference related to wood engineering issues, but a broader effort is needed for all disciplines in wood science and technology. Therefore, this NRNA committee will conduct a similar working conference and then merge its outcomes with ASCE generated outcomes. For more information, please see the [link on the SWST website](#).

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## **INTERNATIONAL WOOD CULTURE SOCIETY (IWCS)**

The IWCS is a nonprofit organization incorporated in July 2007 in California, U.S.A. by a group of worldwide wood enthusiasts dedicated to the research, education, and promotion of wood culture in the world.

They have an English-language website at <http://woodculture-org.woodlab.org/front.cfm>

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## **FPS 62<sup>ND</sup> INTERNATIONAL CONVENTION HYATT REGENCY ST. LOUIS AT UNION STATION ST. LOUIS, MISSOURI, USA JUNE 22-24, 2008**

The Forest Products Society's 62<sup>nd</sup> International Convention will be held June 22-24, 2008 at the Hyatt Regency Union Station, St. Louis, Missouri, USA. The International Convention will begin on Sunday afternoon, June 22, and conclude with the Paul Bunyan Party on Tuesday evening, June 24.

The 2008 International Convention will include special activities in recognition of the important role that students play in regard to the future of the forest products industry. There will be a Student Appreciation Luncheon on Sunday afternoon. This will be followed by a Student Wood Science Bowl. Teams consisting of FPS Student Members will engage in a friendly head-to-head competition with a traditional "College Bowl" format. Sunday evening's Host Reception will offer attendees the opportunity to meet new colleagues and renew old acquaintances.

The General Session "Working Together to Meet the Challenge of Change", will take place on Monday morning from 8:00-9:40 am. This session will include a candid discussion of challenges facing the North American forest products industry. It will be conducted in a debate-style format and participants will include industry, association, and government leaders.

At the podiums will be:

Mark Barford, Executive Director, National Hardwood Lumber Association, Memphis, TN

Anne Bartuska, Deputy Chief of Research, USDA Forest Service, Washington, DC

Jonathan E. Martin, Chairman and CEO, Roy O. Martin Lumber Company, Alexandria, LA

Kenneth R. Hutton, Executive Vice President, Wood Machinery Manufacturers of America, Philadelphia, PA

Dr. Paul M. Winistorfer, Professor and Head of the Department of Wood Science & Forest Products at Virginia Tech, will serve as moderator of the session, which will conclude with direct interaction between the participants and the audience.

A total of 22 Technical Sessions are scheduled throughout the day on Monday and Tuesday, covering a magnitude of forest products and wood science subject areas. Over 80 poster presentations will also be presented during two separate forums on Monday and Tuesday. The poster sessions consist of a number of simultaneous presentations by individuals who are stationed at booth spaces. Presentations in each of the two poster sessions are grouped by subject.

The Paul Bunyan Party, Tuesday evening from 6:00-9:00 pm, will take place at Kemoll's *Top of the Met*. Attendees will enjoy drinks, dinner, and spectacular views of the riverfront and St. Louis skyline 42 stories above the streets of St. Louis.

Finally, a Companion/Youth Program will include a St. Louis Historic Homes and Neighborhoods Tour and a guided tour of Union Station, followed by "free time" to enjoy the shopping and dining offered there as well.

### **2008 National Research Needs Assessment (NRNA) Workshop**

A cooperative effort between SWST and FPS, this workshop will be held on June 25, 2008, immediately following the FPS International Convention at the Hyatt Regency Union Station, St. Louis, Missouri, USA. The purpose of the workshop is to develop a unified and prioritized agenda for Wood Science and Technology research needs and corresponding industry opportunities. A similar workshop will be conducted by the American Society of Civil Engineers in May at the organization's 2008 World Structures Congress in Vancouver, BC, Canada. Information from both workshops will be assimilated into a cohesive research needs assessment. For additional information, visit [www.swst.org/NRNA.html](http://www.swst.org/NRNA.html).

### **2008 International Conference on Nanotechnology for the Forest Products Industry ~ "Nanotechnology from Research and Development to Application"**

The 2008 International Conference on Nanotechnology for the Forest Products Industry will be held June 25-27, 2008, at the Hyatt Regency Union Station, St. Louis, Missouri, USA. Jointly sponsored by the Forest Products Society and TAPPI, this 3-day conference will attract national and international attendees from industry, academia, and national labs. FPS members qualify for TAPPI member rates!

The dual track conference will provide attendees access to state-of-the-art content along with an opportunity to exchange ideas and share professional expertise face to face with university forest products industry researchers as well as industry professionals in product development, sales, and marketing. A short list of topics includes: Nanotechnology industry perspectives, Nanotechnology applications in papermaking, paper coating, printing, biorefining, and lignin biodegradation, and forest materials-based nano-manufacturing.

For additional details or to register, visit [www.tappi.org/08nano](http://www.tappi.org/08nano) or contact Karen Murray at 770-209-7221 or [kmurray@tappi.org](mailto:kmurray@tappi.org).

We will appreciate your assistance with publicity for these events and hope you will have an opportunity to attend. For a copy of the program and registration information, please visit the

Forest Products Society at <http://www.forestprod.org/confic08.html>.

Forest Products Society, 2801 Marshall Court, Madison, WI 53705-2295 USA; Phone: 608-231-1361, ext. 208, Fax: 608-231-2152, [conferences@forestprod.org](mailto:conferences@forestprod.org).

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## **SMALLWOOD 2008 AND BIOENERGY & WOOD PRODUCTS CONFERENCE**

Monona Terrace Community & Convention Center, Madison, WI, May 13-15, 2008 Just a friendly reminder - If you plan to attend the SmallWood 2008 and Bioenergy & Wood Products Conference and haven't made your hotel reservations, the cut-off-date at the Madison Concourse Hotel is Monday, April 21, 2008.

A block of rooms has been reserved at the Madison Concourse Hotel at a special conference rate of \$124 + tax (Single occupancy) or \$134 + tax (Double occupancy); \$84 + tax (Government rate\*\*; Single occupancy) or \$104 + tax (Government rate\*\*; Double occupancy). The room block will be held through Monday, April 21, 2008. After April 21, remaining rooms in the block will be released for sale to the general public, and attendees cannot be guaranteed the group rates or room availability after this date.

\*\*Rate quoted is Federal per diem rate at time of contract, hotel reserves the right to charge Federal per diem rate at the time of conference if rate increases. Guests must call in and identify themselves as Federal employees to receive the Federal per diem rate for the SmallWood conference. Guests must provide Federal ID card upon check-in for Federal per diem rate. Without Federal ID, guests will be charged the regular conference rate.

For reservations, phone 800-356-8293 or 608-257-6000. In order to receive the special conference rate, be sure to state that you are with the Smallwood Conference-General or Smallwood Conference-Federal.

A complimentary shuttle by Badger Coaches will be available from the Madison Concourse Hotel to the Monona Terrace Community & Convention Center during the following hours: Tuesday, May 13, 6:45-7:30 am and 5:00-8:00 pm; Wednesday, May 14, 6:45-7:30 am and 4:30-5:30 pm; and Thursday, May 15, 6:45-7:30 am. The shuttle bus will pick-up and drop-off next to the Madison Concourse Hotel's underground parking entrance.

For a program outline and registration information, click on the picture or visit the Forest Products Society online at <http://www.forestprod.org/confsmallwood08.html>.

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## **SMALLWOOD 2008 USA SCHOLARSHIPS ANNOUNCEMENT**

May 13-15, 2008, Monona Terrace Community & Convention Center, Madison, Wisconsin,

USA SCHOLARSHIPS ANNOUNCEMENT - The Department of the Interior in cooperation with the National Association of Conservation Districts is making a limited amount of financial support available to assist with registration, travel, and lodging for the SmallWood 2008 Conference.

The primary intended recipients are local officials from conservation districts, RC&Ds, and counties. Subject to funding availability, up to a maximum of \$25,000 may be available for scholarships. Individual scholarships will be limited to \$1,000 per recipient. For more information and scholarship application forms, please access the following internet connection <http://www.forestprod.org/smallwood08scholarships.html>.

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## **WOOD ENGINEERING CHALLENGES IN THE NEW MILLENNIUM – CRITICAL RESEARCH NEEDS**

Pre-Conference Workshop for Structures Congress

April 23-24, 2008

Hyatt Regency Vancouver

Vancouver, BC, Canada

ASCE's Committee on Wood Research is sponsoring a 1-½ day workshop with the support of USDA Forest Products Laboratory to provide a forum for state-of-the-art review and to develop a prioritized agenda for future wood engineering research. The workshop will be conducted prior to the start of the Structures Congress.

Research topics will revolve around the national and global research drivers, namely, sustainability, economic competitiveness, health, life and property protection, and infrastructure renewal. Before the workshop begins, participants will receive position papers on eight key research areas. During the workshop, attendees will participate in three breakout sessions dealing with research areas of their choosing.

### **Workshop Schedule**

Wednesday, April 23: Two plenary presentations, three breakout sessions. Continental breakfast and lunch will be provided. Continental breakfast from 7:30 – 8:00 AM and program begins at 8:00 AM and concludes at 5:00 PM.

Thursday, April 24: Summaries by research area session leaders, questions and answers. Continental breakfast from 7:30 – 8:00 AM and program begins at 8:00 AM and concludes at 11:30 AM.

<http://content.asce.org/conferences/structures2008/PreCongress.html>

Professional Development Hours Workshop attendees can earn 9.25 professional development hours (PDH). Space is limited, so register now to secure a spot! Participants can register for the workshop only or for both the workshop and the Structures Congress. The workshop fee (\$125

before April 22, \$155 after April 22) is not included in the congress registration fee.

To register on-line or to view the registration form please use the link below.

<http://content.asce.org/conferences/structures2008/registration.html>

When registering on-line, please scroll down the event selection window to find the pre-congress workshop. For additional information regarding the workshop, please contact Dr. Vijaya (VJ) Gopu at [vgopu@tulane.edu](mailto:vgopu@tulane.edu) or 225-767-9102.

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## Request for Support 2008 Teacher Forestry Tours

Each year, teachers from around the country attend one of the Foundation's Teacher Forestry Tours to learn about sustainable forestry. Please consider giving teachers an opportunity to learn about your industry and the positive impacts your companies and associations are making towards a sustainable future. Sponsoring a teacher is a rare opportunity; it generates a deep lasting impact far beyond the three days they spend on a forestry tour.



### Reserve Your Teacher Slots Today

<u>Tour Location</u>	<u>Dates</u>	<u>Teacher Slot Availability</u>
South Central—Starkville, Mississippi	June 3-6	OPEN
Pacific Northwest—Portland, Oregon	June 24-27	FULL
Lake States—Escanaba, Michigan	July 16-19	OPEN
Northeast—Catskills, New York	August 5-8	OPEN

The cost to sponsor a teacher is \$700 plus the cost of transportation to and from the tour's location, i.e. gas/mileage reimbursement.

Or, consider co-sponsoring a teacher for \$400.

We have a growing list of teachers applying for our tours who are in need of sponsorships; please let me know if you would like to sponsor one of these teachers.

Please contact Lisa Leonard to reserve slots for the Teacher Forestry Tours:  
[lleonard@forestinfo.org](mailto:lleonard@forestinfo.org) or (503) 579-6762

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## WOOD WEEK AT VPI

The department of Wood Science and Forest Products has set the dates for its annual Wood Week. Wood Week 2008 will be held September 15-18, 2008 on the Virginia Tech campus in Blacksburg. The week will begin on Monday with a student welcome back picnic and keynote public lecture by Patrick Calello, founder and designer of Automoblox ([www.automoblox.com](http://www.automoblox.com)). The award-winning Wood Magic Show will be held for 4th and 5th grade students and teachers on Tuesday. Wednesday the Advisory Board of the Center for Forest Products Marketing and Management will be held, followed by an evening scholarship reception and recognition reception. Thursday is the wood industry career fair under a big-top tent in the center of the Virginia Tech campus. Up to 75 wood industry companies are invited to participate in the largest wood industry career fair on any U.S. campus. The department seeks to promote the U.S. wood industry to the 27,000 students enrolled at Virginia Tech. Registration for the Wood Week Career Fair will open April 1, 2008 and close when capacity is reached at 75 companies. See the department homepage at [www.woodscience.vt.edu](http://www.woodscience.vt.edu) for Wood Week 2008 details.

Department Develops Student and Industry Placement Center The department of Wood Science and Forest Products is launching a new web-based student placement and industry job posting site. The new will be active on March 1, 2008. Students in the program, and students from other majors at Virginia Tech can post their resumes to the site. As well, industry can post position announcements to the site for viewing.

Student resumes will be categorized into several categories, including students looking for summer jobs and internships, permanent employment, graduate students looking for permanent employment and post doctoral research scientists looking for permanent employment. Those in the industry will be required to register for use of the system. See the department homepage beginning March 1 for more information about this new service offered by the department at [www.woodscience.vt.edu](http://www.woodscience.vt.edu).

We welcome your participation at all of our Wood Week 2008 events. If you are planning on participating in our Career Fair, be sure to join us the evening before for our Scholarship and Recognition Reception.

I also want to bring your attention to an upcoming program in the state of Virginia being held on March 13 in Danville Virginia. The Southern Virginia Forest Products Initiative Conference addresses workforce needs for our industry head-on through development of a collaborative agenda and vision spanning K-12 to the University. This one day program promises to be very strong. You can access the program information at <http://www.woodscience.vt.edu/svfpi> if you are interested further. We think this initiative will serve as a leadership model for our industry and state in developing the human resource and we welcome your participation.

Finally, our weekly edition of Inside VT Wood is found at [http://www.woodscience.vt.edu/publications/insidemtwood/pdfs/insidemtwood\\_3\(6\).pdf](http://www.woodscience.vt.edu/publications/insidemtwood/pdfs/insidemtwood_3(6).pdf) Please let me know if you would like to be added to our distribution list for weekly news from our department.

Regards,

Paul M. Winistorfer, PhD  
Professor and Department Head  
Department of Wood Science and Forest Products 230 Cheatham Hall (0323) Virginia Tech  
Blacksburg, VA 24061  
phone 540-231-8853  
email [pstorfer@vt.edu](mailto:pstorfer@vt.edu)  
[www.woodscience.vt.edu](http://www.woodscience.vt.edu)

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## **16TH INTERNATIONAL NONDESTRUCTIVE TESTING AND EVALUATION OF WOOD SYMPOSIUM**

Co-hosted by Beijing Forestry University and  
USDA Forest Products Laboratory  
May 11-13, 2009, Beijing, China

We are proud to announce the 16th International Nondestructive Testing and Evaluation of Wood Symposium, to be held in Beijing, China, on May 11-13, 2009. Initiated in the early 1960's, The International Symposium on Nondestructive Testing and Evaluation of Wood has become a world-wide technical forum aimed at promoting effective communication and information exchange of research advancements and technical refinements in the field of NDT/NDE of wood. It represents the full spectrum of technical interests, from basic and applied science to the use of various methods in industrial and field applications. The Symposium focuses on bridging the gap between research and industrial applications. The 16th International NDT/NDE of Wood Symposium is being hosted by Beijing Forestry University and the USDA Forest Products Laboratory. On behalf of the symposium's organizing committee, we warmly welcome you to Beijing!

Consider this an invitation for submitting an abstract that summarizes your latest research or development findings! Technical sessions will include both oral and poster presentations. An exhibition of the most recent advances from equipment developers and manufacturers is also planned. Technical subject areas include:

- Evaluation of tree and log quality
- Structural timber assessment
- Wood-based composites evaluation
- Applications with engineered wood products
- Assessment of newly developed bio-based materials
- Condition assessment of historic wood and timber structures
- Assessment and monitoring of forest/ecosystem health

- Hazard tree assessment in urban area
- Other related areas

#### Important Dates

Deadline for submitting abstract: October 1, 2008

Deadline for submitting full paper: February 1, 2009

Registration deadline: April 1, 2009

#### Venue

The venue for the NDT Symposium is Xijiao Hotel ([www.xijiao-hotel.com.cn](http://www.xijiao-hotel.com.cn)), located at the high-tech and business area in northwest suburb of the city of Beijing. As the green garden of the city, Xijiao Hotel is surrounded by famous universities, Zhong Guan Cun (China's Silicon Valley), Olympic center and many other attractions.

For further information about the Symposium, please contact program coordinator:

Dr. Houjiang Zhang, Associate Professor

School of Technology, Beijing Forestry University

Beijing 100083, China

Email: [NDT2009@bjfu.edu.cn](mailto:NDT2009@bjfu.edu.cn)

Phone: 86-10-62336956

Fax: 86-10-62336956

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## PART-TIME WOOD TECH CONSULTANTS

**Major US-based trade association** seeking part-time consultants based in NW U.S. to oversee quality control and auditing of structural wood products lab testing and calibration procedures for their clients based on U.S. West Coast.

An ideal candidate would be:

- Current Consultant or Retired Wood Tech Professional
- 5+ years' experienced in Wood Product Lab Testing procedures including: Structural Wood Products Testing, Lab Auditing and Inspection experience.
- Candidates must travel to client facility with 2-3 day notice.
- Work schedule will range from 1 to 20 days per month.
- Candidates should have a B.S. in Wood Science or equivalent.

Job Opportunity is Immediate. Refer to (Search Assignment # 6132CJ)

### **My linda Humble**

Recruiting Assistant

**SEARCH NORTH AMERICA, INC.**

Phone: 503/222-6461 - Fax: 503/227-2804

[www.searchna.com](http://www.searchna.com) ~ [mylinda@searchna.com](mailto:mylinda@searchna.com)

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## **THERMAL CONVERSION OF WOODY BIOMASS TO FUELS AND CHEMICALS**

### PostDoc Position Description

The University of Maine's Forest Bioproducts Research Initiative is seeking applicants for a Postdoctoral Research Fellow to work as part of a team developing new catalysts and processes for thermal conversion of biomass to fuels and chemicals.

The particular focus includes bench-scale catalytic upgrading of pyrolysis oils, developing new combinatorial approaches for rapid catalyst screening, understanding kinetic mechanisms of surface-mediated reactions, and characterizing physical characteristics of novel catalyst materials. Candidates with a Ph.D. in either Chemistry or Chemical Engineering and interest in any of these areas will be considered. The candidate must be able to work in a multidisciplinary team environment while supervising graduate and undergraduate students. The position is available immediately and will remain open until filled. See the following links for descriptions of research areas:

[ [http://www.forestbioproducts.umaine.edu/project\\_Micro-Array.php](http://www.forestbioproducts.umaine.edu/project_Micro-Array.php) ]Micro-Array  
Combinatorial Catalyst Screening

[ [http://www.forestbioproducts.umaine.edu/project\\_FuelsandChemicals.php](http://www.forestbioproducts.umaine.edu/project_FuelsandChemicals.php) ]Fuels and  
Chemicals from Woody Biomass-Derived Syngas

[ [http://www.forestbioproducts.umaine.edu/project\\_CharacterizationUpgrading.php](http://www.forestbioproducts.umaine.edu/project_CharacterizationUpgrading.php) ]  
Characterization and Upgrading Pyrolysis Oils from Woody Biomass

[ [http://www.forestbioproducts.umaine.edu/project\\_InnovativeReactions.php](http://www.forestbioproducts.umaine.edu/project_InnovativeReactions.php) ]Innovative  
Reaction Schemes and Technologies

Please direct enquiries to [cwheeler@umche.maine.edu](mailto:cwheeler@umche.maine.edu)

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## SENIOR TIMBER COMPOSITES SCIENTIST

Department of Primary Industries and Fisheries  
Salisbury (Brisbane) Queensland, Australia

This job has been created to lead research & development of timber composite products from plantation hardwoods, particularly from thinnings, to add value to these resources, to improve the economics of timber plantations, and hence to encourage more private investment in hardwood plantations and their management for higher value timber production.

This is a rare opportunity for an experienced timber composites scientist to lead in developing a novel line of panel products from tropical plantation hardwoods. Bring your expertise on conversion and adhesion technologies to complement an already diverse team of forest products researchers adding value to hardwood plantation resources, particularly thinnings.

We expect that you will have shown the ability to develop and lead R&D projects, and to achieve good research outcomes in this area. You will be encouraged to collaborate with university researchers and other research organizations both in Australia and internationally. Enjoy putting the finishing touches to a new composites R&D facility, and influencing the direction of this work from the outset. It is located at the well equipped DPI&F Timber Processing Research Centre at Salisbury in suburban Brisbane.

You will have access to all the attractions of this vibrant, growing city and its beautiful subtropical surroundings from the beaches to the ranges. Other benefits include a starting salary in the range of \$AUD 69,246 to \$AUD 74,600 per annum dependent on your experience and qualifications, plus an employer superannuation contribution of 12.75% of this amount per annum, plus 17.5% loading during the 4 week annual leave period, plus 13 calendar weeks long service leave on full pay after 10 years continuous service, plus a generous sick leave provision. The appointment will be for a term of five years, but achievement of excellent outcomes could lead to an optional extension of this term, or to the position becoming permanent.

Position Description, Application Guide, Application Forms and Online Application are located at <http://jobs.govnet.qld.gov.au/> - Search by Organisation (Primary Industries and Fisheries) for this position, reference QLD/DPIF5330/08

Applications close March 31, 2008

Position Contact: Dr Michael Kennedy  
Science Leader, Innovative Forest Products  
Telephone: +61 7 3896 9754  
Email: [Michael.Kennedy@dpi.qld.gov.au](mailto:Michael.Kennedy@dpi.qld.gov.au)

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## **PRINCIPAL SCIENTIST, PRODUCT QUALITY**

Department of Primary Industries and Fisheries  
Indooroopilly (Brisbane) Queensland, Australia

This position exists to lead a team of forest product researchers specialising in Product Quality (chiefly Wood Quality Improvement), in collaboration with teams specialising in Process Development, Product Development and Product Performance, to develop innovative value-added forest products that will encourage, and maximise returns on, investment in forest plantations

A position is now open to lead the Product Quality Research Team of the Innovative Forest Products group within the Queensland Department of Primary Industries and Fisheries. This group is part of the Horticulture and Forestry Science research unit. The terms Product and Quality should be understood in the widest sense relevant to forest products, so the successful applicants will need to demonstrate considerable breadth of experience and vision. The appointee will take on responsibilities in planning and management of project portfolios and in the recruitment process for any additional staff. Opportunities will exist for the appointee to continue to pursue relevant current research interests. This is an exciting and satisfying position for forest products researchers with a background of successful project leadership and an aptitude to combine these skills with portfolio and team management. This group has an existing portfolio of challenging projects and the previous Team Leader will continue to contribute to these projects and support the generation of new opportunities from his new work base in North Queensland.

You will have access to all the attractions of this vibrant, growing city and its beautiful subtropical surroundings from the beaches to the ranges. Other benefits include a starting salary in the range of \$AUD 78,020 to \$AUD 83,658 per annum dependent on your experience and qualifications, plus an employer superannuation contribution of 12.75% of this amount per annum, plus 17.5% loading during the 4 week annual leave period, plus 13 calendar weeks long service leave on full pay after 10 years continuous service, plus a generous sick leave provision. The appointment will be for a term of five years, but achievement of excellent outcomes could lead to an optional extension of this term, or to the position becoming permanent.

Position Description, Application Guide, Application Forms and Online Application are located at <http://jobs.govnet.qld.gov.au/> - Search by Organisation (Primary Industries and Fisheries) for this position; reference QLD/DPIF5408/08

Applications close April 7, 2008

Position Contact: Dr Michael Kennedy  
Science Leader, Innovative Forest Products  
Telephone: +61 7 3896 9754  
Email: [Michael.Kennedy@dpi.qld.gov.au](mailto:Michael.Kennedy@dpi.qld.gov.au)

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## RADIO FREQUENCY PASTEURIZATION OF WOOD

**Position:** Post-Doctoral Fellow

**Project:** Radio Frequency Pasteurization of Wood

**Starting:** May 2008

**Duration:** 1 year

**Location:** Department of Wood Science, University of British Columbia, Vancouver, BC, Canada

**Qualifications:** Recent Ph.D. degree in wood science with experience in wood drying/physics plus good understanding of wood biodeterioration.

Interested persons please send CV to Stavros Avramidis.

-----

Prof. Stavros Avramidis, Ph.D., FIWSc, FIAWS  
Department of Wood Science  
The University of British Columbia  
2424 Main Mall  
Vancouver, BC, V6T1Z4  
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tel: +1 604 8226153

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web: <http://wood.ubc.ca>

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## IMPACT OF GROWTH CONDITIONS ON BLACK SPRUCE WOOD PROPERTIES

Graduate Assistantship for a Master in Wood Science (M.Sc.)

### Objective

Determine the fundamental wood properties of black spruce in relation to stand conditions (e.g. site quality, stand density) and tree/crown characteristics, as well as within-tree variation of the fundamental wood properties.

### Methods

Fundamental wood properties (density, tracheid length, shrinkage/swelling, bending properties) will be determined for a well-documented and designed tree sample available from a previous study. For each sample tree, the previous study provides various information ranging from tree/crown characteristics to product recovery. In addition, major stand-level information is also available for the six natural stands sampled.

### **Expected results**

This project aims to establish the relationship of fundamental wood properties with stand conditions and tree/crown characteristics, and within-tree variation in the fundamental wood properties.

### **Selection criteria and conditions**

We are seeking candidates with an undergraduate degree in wood science, forest sciences or another related discipline. An excellent academic record, a high level of autonomy, and team work abilities are also required. A strong background in statistics and proficiency with statistical packages such as SAS are assets. A competitive assistantship (\$17 300 CAD per year) is offered for a period of 20 months. The project must start in May 2008 and be completed by December 2010.

### **For more information:**

Alain Cloutier ([alain.cloutier@sbf.ulaval.ca](mailto:alain.cloutier@sbf.ulaval.ca))  
Centre de recherche sur le bois  
Universite Laval  
Tel : (418) 656-5851

Tony Zhang ([tony.zhang@van.forintek.ca](mailto:tony.zhang@van.forintek.ca))  
Centre de recherche sur le bois, FPInnovations –  
Forintek Division  
Tel : (604)-222 5741

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## **OPPORTUNITY FOR GRADUATE STUDIES IN ASSESSING ENVIRONMENTALLY FRIENDLY ADDITIVES FOR WOOD COMPOSITES**

Graduate level: M. Sc. at the University of Toronto

Research subject: Environmentally friendly wax additives for wood composites

Starting date: May 2008

Qualifications: Bachelor's degree in Chemical Engineering, Materials science, Wood sciences, Chemistry or A related Field

Requirements: The successful candidate must have good background in chemical engineering/polymer or materials/wood sciences. Basic knowledge of wood composites is an asset, but not essential. The candidate must be highly motivated with good academic record.

Qualified candidates are invited to send their CVs to

Dr. Ning Yan, Associate Professor, Faculty  
of Forestry  
& Associate Director, Pulp and Paper Centre  
University of Toronto  
Toronto, Ontario Canada M5S 3B3  
Tel: 416-946-8070  
Fax: 416-978-3834  
E-mail: [ning.yan@utoronto.ca](mailto:ning.yan@utoronto.ca)

Dr. Hui Wan, Research Scientist  
FP-Innovations Forintek Division  
319, rue Franquet  
Sainte-Foy, Quebec  
Canada G1P 4R4  
Tel: 418-659-2647 ext. 3809  
Email: [hui.wan@qc.forintek.ca](mailto:hui.wan@qc.forintek.ca)

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## **INTERNATIONAL FELLOWSHIPS AVAILABLE AT THE WORLD FOREST INSTITUTE**

Portland, Oregon, USA

The World Forest Institute Fellowship Program brings forestry and natural resources professionals from around the world to work at the World Forest Institute for 6 to 12 months. Fellows conduct an independent research project developed in conjunction with his/her sponsor.

Projects are typically either policy or marketing studies, and may be environmental, social or economic in focus. Activities involve information gathering through interviews, meeting with forestry organizations, and taking organized field trips. Fellows typically summarize their projects in a report and poster published by the WFI. A large component of the program involves traveling and visiting with professionals in the Pacific Northwest forest sector. Fellows visit forestlands, research sites, manufacturing facilities, and NGOs. Additionally, Fellows gain valuable cultural experience and English language skills. Project proposals are now being accepted, and a matching grant is available to cover up to half of the Fellowship fee.

WFI is located in beautiful Portland, Oregon, a short drive to forests, mountains, beach, and desert. Oregon is the largest producer of forest products among the 50 US states. For more information visit <http://wfi.worldforestry.org> or contact Angie DiSalvo [adisalvo@worldforestry.org](mailto:adisalvo@worldforestry.org).

### **Angie DiSalvo**

International Fellowship Program Manager

World Forest Institute, a program of the World Forestry Center

4033 SW Canyon Road, Portland, OR 97221 USA

(503) 488-2137

<http://wfi.worldforestry.org>

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## **ASSISTANT PROFESSOR IN BIOPROCESS ENGINEERING**

The University of Minnesota Department of Bioproducts and Biosystems

Engineering invites applications for a tenure-track faculty position at the Assistant Professor level in bioprocess engineering. This position will focus on the effective and sustainable conversion of bio-renewable resources and bio-based materials into biofuels and bioproducts.

This position is part of a University of Minnesota's initiative to be a leading center of excellence in the production of biofuels and bioenergy from renewable resources, and to make the State of Minnesota a leader in the 21st century bio-economy. The successful candidate is expected to establish a productive, extramurally-funded research program resulting in scientific breakthroughs and innovative engineering and design involving *fundamentals of novel bioprocess engineering approaches and their applications to conversion of lignocellulosic biomass to biofuels and bioproducts*. Teaching responsibilities include undergraduate and

graduate courses in bioprocess engineering, bioproducts and biosystems engineering, or other related courses. The successful candidate is expected to excel in teaching, research and outreach.

Required: Ph.D. in Bio-based Products Engineering, Biochemical Engineering, Bioprocess Engineering, Biosystems Engineering, Chemical Engineering, or related disciplines. Ph.D. must be obtained by date of appointment. Demonstrated experience/background including post doctoral research experience in bioprocess engineering and its application to conversion of lignocellulosic biomass to biofuels and bioproducts is preferred. Please apply online providing resume and cover letter, 2-3 page summary of research plans and experience, and teaching plans and experience, two most significant publications, official transcript, and names and addresses of three references at <http://employment.umn.edu>, requisition #153856.

For further information, please contact Dr. Kevin Janni, Chair, Search and Screening Committee, Department of Bioproducts and Biosystems Engineering, 213 BAE Building, 1390 Eckles Avenue, St. Paul, MN 55108, ph: (612) 625 3108; fax: (612) 624 3005, e-mail: [kjanni@umn.edu](mailto:kjanni@umn.edu) Initial screening of applicants will begin March 15, 2008.

Applicants will be considered until position is filled. For further information please visit our website: [www.bbe.umn.edu](http://www.bbe.umn.edu). The University of Minnesota is an equal opportunity educator and employer.

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## **ASSISTANT PROFESSOR IN BIOCATALYSIS AND BIOTRANSFORMATION OF BIOMASS**

The University of Minnesota Department of Bioproducts and Biosystems Engineering invites applications for a tenure-track faculty position at the Assistant Professor level in biocatalysis and biotransformation of biomass. This position will focus on the effective and sustainable conversion of bio-renewable resources and biobased materials into biofuels and bioproducts. This is part of a University of Minnesota initiative to be a leading center of excellence in the production of biofuels and bioenergy from renewable resources, and to make the State of Minnesota a leader in the 21st century bio-economy. The successful candidate is expected to establish a productive, extramurally- funded research program resulting in scientific breakthroughs involving *fundamentals of novel lignocellulose biocatalytic approaches and their applications to biofuels and bioproducts*. Teaching responsibilities include undergraduate and graduate courses in bio-renewable resources including bioproducts and biosystems, or other related courses. The successful candidate is expected to excel in teaching, research and outreach.

Required: Ph.D. in Biochemistry, Biosystems Engineering, Chemistry, Chemical Engineering, Microbiology, Wood and Paper Science, or related disciplines. Ph.D. must be obtained by date of appointment. Demonstrated experience/background including post-doctoral research experience in biocatalytic conversion of lignocellulosic biomass to biofuels and bioproducts is preferred.

Please apply online providing resume and cover letter, 2-3 page summary of research plans and experience, and teaching plans and experience, two most significant publications, official transcript, and names and addresses of three references at <http://employment.umn.edu>, requisition #153854. For further information, please contact Dr. Ping Wang, Chair, Search and Screening Committee, Department of Bioproducts and Biosystems Engineering, 208 Kaufert Laboratory, 2004 Folwell Avenue, St. Paul, MN 55108, ph: (612) 624 4792; fax: (612) 625 6286, e-mail: [ping@umn.edu](mailto:ping@umn.edu) Initial screening of applicants will begin March 15, 2008. Applicants will be considered until position is filled. For further information please visit our website: [www.bbe.umn.edu](http://www.bbe.umn.edu).

The University of Minnesota is an equal opportunity educator and employer.

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## ABOUT SWST

The SWST Newsletter is published six times a year by the Society of Wood Science and Technology, One Gifford Pinchot Drive, Madison, WI 53705, USA. Items for the Newsletter may be sent to Adam Taylor, at: [AdamTaylor@utk.edu](mailto:AdamTaylor@utk.edu)

The Society of Wood Science and Technology is a technical and professional organization for scientists and engineers working in academia, government, consulting and the forest-products industries and is dedicated to providing education and expertise regarding better ways to use and produce wood products. Tel: (608) 231-9347 Fax: (608) 231-9592 E-mail: [vherian@fs.fed.us](mailto:vherian@fs.fed.us)  
Web site: <http://www.swst.org>

### *Society of Wood Science and Technology*

President:	James P. Armstrong
Past President:	Douglas Gardner
President Elect:	Jerry Winandy
Vice President:	James Funck
Executive Director:	Vicki L. Herian
Directors:	Nicole Brown (2009) Eva Haviarova (2009) Sue Anagnost (2008) Tony Zhang (2008)

### *Wood and Fiber Science*

Editor:	Frank Beall
Associate Editor:	Geza Ifju
Editorial Assistant:	Carol B. Ovens

<i>SWST Newsletter Editor</i>	Adam Taylor
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## EXECUTIVE DIRECTOR'S REPORT

March 29, 2008  
San Antonio, Texas

### Current Members as of March 29, 2008

Full members	282
Student members	57
Retired members	40
Developing Full	8
Developing Student	<u>2</u>
<b>TOTAL</b>	<b>389</b>

USA members	295
Canada members	40
Mexico members	3
Overseas members	51

### Members as of February 19, 2007

Full Members	227
Student members	28
Retired members	44
Affiliate Member	<u>4</u>
<b>TOTAL</b>	<b>304</b>

### Subscribers as of March 29, 2008

Subscribers	182
USA	80
Canada	14
Mexico	1
Overseas	87

### Subscribers as of February 19, 2007

Subscribers	164
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### Delinquent Members

Delinquent members as of 3/29/08 for 2008 dues: 57 total –27 full, 27 student, 3 retired  
Compared to delinquent as of 2/1/07 for 2007 dues: 115 total – 70 full, 40 student 5 retired  
Delinquent subscribers for 2008 as of 3/29/08: 47 total ( 17 USA, 30 foreign)  
Compared to delinquent subscribers for 2007 as 2/1/07: 68 total (24 USA, 44 foreign)

### Vanguard Accounts and CD's

The balance in the five Vanguard funds was \$121,470.67 on December 1, 2007 (the date of the last statement). The current balance for the Vanguard Index Fund (student poster money) is \$17,912.92. The CD balance as of 12/31/06 was \$55,748.76. The savings balance is \$74,863.42.

### Checking Account

The balance in the checking account as of March 29, 2008 is \$56,254.83.

### Student Poster Competition Fund History and Status

Contributors are: California Cedar Products, Virginia Tech, University of British Columbia, Mississippi State University, Oregon State University, APA – The Engineered Wood Association, Louisiana State University, University of Idaho, Willamette Industries, Forintek Canada Corporation, Iowa State University, North Carolina State University, Washington State University, and Asian Woods Company.

### **2008 Annual Conference**

I visited Universidad del Bio Bio December 3-11, 2007 and began the process of setting up the 2008 Conference. I met with the translator, with caterers, with university staff, with tour directors, and with hotel staff. I have signed contracts and made arrangements for the conference. After returning home I wrote the text for the webpages for the Annual Conference, which Beth Smith has coded and put online. We are getting an amazing response and the work continues.

### **Miscellaneous**

A Balance Sheet and Income Statement for January-December 2007 and one for January-March 29, 2008 are attached. A first draft of the 2009 Budget is also attached.

As of March 29, 2008, the following is the status of delinquent page charges. All have been sent 2<sup>nd</sup> and 3<sup>rd</sup> email notices.

36(1) 1080.00 from Li and Lee from Chonbuk National University  
37(3) 1660.00 from Klock and Aicher, Institut fur Werkstoffe im Bauwesen, Germany  
39(2) 1212.00 Jordan, He, Hall, Clark, Daniels, USDA FS SRS, Univ of Georgia  
39(4) 1512.00 Ray, Laddad and Ventura, Penn State University

All 40(1) page charges have been paid! 40(2) has been invoiced and sent out and some are already returned with payment.

Respectfully Submitted,



VICTORIA L. HERIAN  
Executive Director

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## **NEW SWST MEMBERS**

Glass, Samuel

Amoah, Martin

Pan, Hui

Shortle, Walter

Alawode, Abiodun

Oni, Mayowa

Wang, Jingxin

Bajraktari, Agron

Smardzewski, Jerzy

Ivana, Gavrilovic-Grmusa

Denes, Levente

Hou, Wen Pin

Mahmood, Sajid

Ruffing, Thomas

Jones, James

Chipman, Timothy

Dunn, Mike

Sullivan, Timothy

Bouldin, John

Daramola, Tolulope

Paredes, Juan

Avila, Cecilia Bustos

Saloni, Daniel

Fathollahzadeh, Ali

Jasin, Michael

Ademola, Balogun

Duku, Moses Hensley

Arian, Amin

Adewopo, Julius

Eberhardsteiner, Josef

Karade, Sukhdeo

Wang, Xuerong

Mariotti, Nicolas

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## LIST OF POTENTIAL SWST VISITING SCIENTISTS

**ANDERSON, MATTHEW.**, 3700 RT. 44, Suite 102, Millbrook, NY 12545 (845-677-3091)  
(FAX: 845-677-6547) email: [m.anderson@verizon.net](mailto:m.anderson@verizon.net)

**Specialty:** Wood science consulting and applied research.

**Will Discuss Formally and Informally:** Assessment of wood frame buildings (destructive and nondestructive); Evaluations of marine and foundation pilings; Investigation of construction related deficiencies; Microbiological evaluations (wood fungi, mold, bacteria).

**ARMSTRONG, JAMES P.**, Associate Professor, West Virginia University, P.O. Box 6125, Morgantown, WV 26506-6125 (304-293-2941, ext. 2486) (FAX: 304-293-2441)  
email: [jarmstro@wvu.edu](mailto:jarmstro@wvu.edu)

**Specialty:** Wood anatomy and physical properties; Contemporary issues in forest resources and the wood products industry.

**Will Discuss Formally:** Various topics related to forest resources in U.S. history (see: <http://www.wdsc.caf.wvu.edu/otherwebs/WDCS%20100.pdf>.); Eco-terrorism--Its causes and impacts.

**Will Discuss Informally:** Any of the above; Education in WS&F; The enrollment problem in WS&T.

**BABIAK, MARIAN**, Professor, Dr.h.c. RNDr. PhD, Technical University in Zvolen, T.G.Masaryka 24, 96053 Zvolen, Slovak republic (+421 45 5206 350) (Fax: +421 45 5330027)  
email address [babiak@vsld.tuzvo.sk](mailto:babiak@vsld.tuzvo.sk)

**Specialty:** Wood Structure and Properties

**Will Discuss Formally:** Wood Physics and Mechanics

**Will Discuss Informally:** Wood – Water Relations; Rheology of Wood; Transport Processes in Wood.

**BARNES, H. MICHAEL**, Professor, Forest Products Laboratory, Mississippi State University, Box 9820, Mississippi State, MS 39762-9820 (662-325-3056) (FAX: 662-325-8126)  
email: [mbarnes@cfr.msstate.edu](mailto:mbarnes@cfr.msstate.edu)

**Specialty:** Wood deterioration and preservation.

**Will Discuss Formally and Informally:** Wood science education; wood preservation.

**Will Discuss Informally:** Same as above.

**BOWYER, JIM L.**, Professor, Department of Bio-based Products, University of Minnesota, 2004 Folwell Avenue, St. Paul, MN 55108 (612-624-4292) (FAX: 612-625-6286) email: [jbowyer@umn.edu](mailto:jbowyer@umn.edu)

**Specialty:** Environmental implications of biomaterials and bioenergy production and use.

**Will Discuss Formally:** Environmental aspects of forestry, timber harvest and wood use; The role of wood in the growing U.S. bio-energy industry; The Wood Science profession - Past, Present & Future; Environmental life cycle analysis; Life cycle inventory; Environmental education of children; The tropical deforestation problem.

**Will Discuss Informally:** Almost anything.

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**BUSH, ROBERT**, Professor, Dept. of Wood Science and Forest Products, Virginia Tech, Blacksburg, VA 20461-0323 (540-231-8834) (FAX 540-231-8176) email: [rbush@vt.edu](mailto:rbush@vt.edu)

**Specialty:** Forest products marketing and management

**Will Discuss Formally:** The marketing of forest products; Strategic planning and decision-making in wood-based industries; Forest products marketing research.

**Will Discuss Informally:** The above topics in addition to research to help improve student recruitment in Wood Science.

**BRYANT, BEN S., Professor Emeritus**, CEO of Appropriate Technolgy Briquettes, Inc. (ATBI). Seattle WA, (206-522-6273) email: [atbi@comcast.net](mailto:atbi@comcast.net)

**Specialty:** Wood science and physics.

**Will Discuss Formally and Informally:** Above specialty.

**CHEN, ZHANGJING**, 506 Alleghany Street, Blacksburg, VA 24060, (540-552-8592) email: [chengo@vt.edu](mailto:chengo@vt.edu)

**Specialty:** Wood drying.

**Will Discuss Formally and Informally:** Above specialty.

**CHOW, POO**, Professor of Wood Science, Department of Forestry, University of Illinois, W-503 Turner Hall, 1102 South Goodwin, Urbana, IL 61801 (217-333-6670) (FAX: 217-244-3219)

email: [p-chow@unic.edu](mailto:p-chow@unic.edu)

**Specialty:** Physical, mechanical and chemical properties of wood-based materials.

**Will Discuss Formally:** Hardwood composites; Durability of wood for structural uses.

**Will Discuss Informally:** Durability of wood-base materials; Utilization of non-wood plant fiber.

**COOPER, PAUL**, Professor, Forestry Department, University of Toronto, 33 Willcocks Street, Toronto, Ontario, CANADA M5S 3B3

email: [p.cooper@utoronto.ca](mailto:p.cooper@utoronto.ca)

**Specialty:** Wood deterioration and protection.

**Will Discuss Formally:** Interaction with chemicals with the wood cell wall; CCA and Copper amine fixation; Environmental impacts of treated wood over the full life cycle; Recycling/reuse

of treated wood.

**Will Discuss Informally:** Collaborative research; Graduate student recruitment; Teaching methods.

**CUTTER, BRUCE**, Professor, University of Missouri, 203 A-BNR, Columbia, MO 65211 (573-882-2744) (FAX: 573-882-1977) email: cutterb@missouri.edu

**Specialty:** Tree growth, wood quality.

**Will Discuss Formally:** General tree growth; Wood quality; Agroforestry; Fuel loading in oak-hickory forests.

**Will Discuss Informally:** Eastern red cedar as a biogeochemical monitor; General tree growth; Wood quality; Behavior of wood in fire situations; fire behavior.

**DeBONIS, A. L.**, President, Wood Advisory Services, Inc., P.O. Box 1322, Millbrook, NY 12545

(914-677-3091) (FAX: 914-677-6547)

**Specialty:** Wood engineering.

**Will Discuss Formally and Informally:** Design properties of lumber; Grading of structural lumber

(visual and/or MSR); Reliability-based design; The role of consultants in the forest products field;

Heavy timbers in residential and commercial construction; Hardwood structural lumber.

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**ELDER, THOMAS**, Research Forest Products Technologist, USDA-Forest Service, Southern Research Station, 2500, Shreveport Highway, Pineville, Louisiana, 71360 (318-473-7008) (Fax: 318-473-7246) email: telder@fs.fed.us

**Specialty:** Wood chemistry.

**Will Discuss Formally:** Atomic force microscopy of wood and fiber surfaces; time-domain NMR of wood; fiber modification.

**Will Discuss Informally:** Molecular modeling of the chemical constituents of wood.

**FLYNN, KEVIN**, Kevin Flynn, MS, Flynn & Associates, Wood Science & Technology P.O. Box 805 El Cerrito, CA 94530 (510) 758-4686 Voice (510) 758-4893 Fax) email:

[kevin.flynn@ucop.edu](mailto:kevin.flynn@ucop.edu)

**Specialty:** Wood performance; Problem analysis.

**Will Discuss Formally:** Durability; Degradation; Protection.

**Will Discuss Informally:** Any related issues.

**FUNCK, JAMES W.**, Manager - Lumber and Wood Science, Weyerhaeuser Company, WTC 2B2, P.O. Box 9777, Federal Way, WA 98063-9777, Phone: 253-924-6826, Fax: 253-924-4239, E-mail: jim.funck@weyerhaeuser.com

**Specialty:** Optical and dielectric scanning for surface defects and roughness; Process modeling and simulation (lumber and plywood); Process control.

**Will Discuss Formally:** Above listed specialties.

**Will Discuss Informally:** Above listed specialties; Education - graduate and undergraduate.

**GARDNER, DOUGLAS J.**, University of Maine, Advanced Engineered Wood Composites Center, Department of Forest Management, 231 AEWB Building, Orono, ME 04469 (207-581-2846) (FAX: 207-581-2074)

email: doug\_gardner@umenfa.maine.edu

**Specialty:** Wood adhesion; Wood composites.

**Will Discuss Formally:** Wood adhesion; Wood surface chemistry; Wood/plastic Composites; Wood Science Education.

**Will Discuss Informally:** Anything.

**LACHENBRUCH, BARBARA**, Professor, Oregon State University, Dept. of Wood Science and Engineering,

118 Richardson Hall, Corvallis, OR 97331 (541-737-4213) (FAX: 541-737-3385)

email: Barbara.Lachenbruch@oregonstate.edu

**Specialty:** Wood quality/silviculture interactions; Tree physiology.

**Will Discuss Formally:** Effects of tree biology on wood quality; Tree water relations and biomechanics as related to xylem structure.

**Will Discuss Informally:** Dual-career, women and family issues in grad school and academics.

**GLASSER, WOLFGANG G.**, Professor of Wood Chemistry, Virginia Polytechnic Institute and

State University, Department of Wood Science & Forest Products, 210 Cheatham Hall, Blacksburg, VA 24061 (540-231-4403) (FAX: 540-231-7664) email: wglasser@vt.edu

**Specialty:** Polymer and materials science aspects of forest products; Biobased materials from wood; Steam explosion.

**Will Discuss Formally:** Structure--property relationships of cellulose, xylan and lignin and their derivatives; Cellulosic thermoplastic polymers and composites; Lignin chemistry.

**Will Discuss Informally:** The Carbohydrate Economy: Technical, economic social .

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**GREEN, DAVID W.**, Engineer, Forest Products Laboratory, One Gifford Pinchot Drive, Madison, WI 53726 (608-271-9261) (FAX: 608-231-9592) email: [dwgreen@fs.fed.us](mailto:dwgreen@fs.fed.us)

**Specialty:** Engineering properties of wood.

**Will Discuss Formally:** In-grade testing of lumber; Effect of moisture content on lumber properties; Engineering properties of wood research at the U.S. FPL; Structural properties of hardwoods.

**Will Discuss Informally:** Almost anything; The research environment -industry vs. university vs. government.

**GUPTA, RAKESH.**, Oregon State University, Department of Wood Science & Engineering, 114 RH, Corvallis, OR 97331 (541-737-4223) (FAX: 541-737-3305)

email: [rakesh.gupta@oregonstate.edu](mailto:rakesh.gupta@oregonstate.edu)

**Specialty:** Wood engineering/Mechanics; Mechanical properties/behavior of wood.

**Will Discuss Formally:** Above listed specialities.

**Will Discuss Informally:** Above listed specialities.

**HAMMETT, A.L.**, Associate Professor, Dept. of Wood Science & Forest Products, Virginia Polytechnic and State University, 210 Cheatham Hall, Blacksburg, VA 24061-0323 (540-231-2716) (FAX: 540-231-8176) email: [himal@vt.edu](mailto:himal@vt.edu)

**Specialty:** Forest products marketing.

**Will Discuss Formally:** International issues related to forestry and forest products.

**JELLISON, JODY**, Professor of Biology, University of Maine, 313 Hitchner Hall, Orono, ME 04469 (207-581-2995) email: [jellison@umit.maine.edu](mailto:jellison@umit.maine.edu)

**Specialty:** Biodegradation of wood; Fungal metabolism.

**Will Discuss Formally:** Biological degradation of wood.

**Will Discuss Informally:** Interdisciplinary studies.

**KAMKE, FREDERICK A.**, JELD-WEN Professor of Wood-Based Composite Science, Dept. Wood Science and Engineering, Oregon State University, 104 Richardson Hall (541-737-8422)(FAX: 541-737-3385) email: [fred.kamke@oregonstate.edu](mailto:fred.kamke@oregonstate.edu)

**Specialty:** Wood-based and composites.

**Will Discuss Formally:** Heat and mass transfer during hot-pressing; adhesive penetration and distribution.

**Will Discuss Informally:** Composite processing and performance.

**KASAL, BO**, Professor and Hankin Chair, Department of Civil and Environmental Engineering, Department of Architectural Engineering, Director of Research, Pennsylvania Housing Research Center, 219 Sackett Building, University Park, PA 16802 (814 865 2341) (Fax: 814 863 7304) email: [buk13@psu.edu](mailto:buk13@psu.edu)

email: [buk13@psu.edu](mailto:buk13@psu.edu)

**Specialty:** Residential construction; Wood engineering.

**Will Discuss Formally:** Residential structures in natural disasters; in-situ evaluation of historic wood buildings; performance of laminated wood frames in earthquakes.

**KIM, MOON J.**, Department of Forest Products, Mississippi State University,

Mississippi State, MS 39762-9820 (662-325-3109) (FAX: 662-325-8126)  
email: [mkim@cfr.msstate.edu](mailto:mkim@cfr.msstate.edu)

**Specialty:** Wood Adhesives; UF resins; PF resins, PRF resins.

**Will Discuss Formally and Informally:** Above specialty.

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**KODZI Jr, EMMANUEL T.**, Ph.D. CANDIDATE, PURDUE UNIVERSITY, 175  
MARSTELLAR ST., WEST LAFAYETTE, IN 47907 (765-496-6127) (Fax: 765-496-1344)  
email: [ekodzi@purdue.edu](mailto:ekodzi@purdue.edu)

**Specialty:** MASS CUSTOMIZATION IN FURNITURE MANUFACTURING COMPANIES.

**Will Discuss Formally:** Linkages between Mass Customization and Competitiveness.

**Will Discuss Informally:** Critical Enablers of Mass Customization for Wooden Furniture  
Manufacturing Scenarios.

**LITTLE, ROBERT L.**, Ph.D., R.F. Senior Project Manager, Weyerhaeuser Company. Wood  
Science and Engineering R&D Mail Stop: WTC 2B2 P.O. Box 9777 Federal Way, WA 98063-  
9777 Office: (253)924-4269 Mobile: (336)404-2132

**Specialty:** Drying of hardwood lumber.

**Will Discuss Formally:** Automated control of hardwood dry kilns, Control of corrosion in dry  
kiln buildings, General drying practices for hardwood lumber, and Kiln design considerations.

**Will Discuss Informally:** General wood technology.

**LOFERSKI, JOSEPH R.**, Associate Professor, Virginia Polytechnic Institute and State  
University, Department of Wood Science and Forest Products, Brooks Forest Products Center,  
Blacksburg, VA 24061-0503 (540-231-4405) (FAX: 540-231-8868)

**Specialty:** Wood engineering, Design of wood structures, Long-term performance of buildings,  
Historic buildings

**Will Discuss Formally or Informally:** Preservation of historic wood structures; Long-term  
performance of wood structures; Building systems; Deterioration of wood building materials.

**MATER, JEAN Dr.**, Vice President, Forest Products Marketing Division, Mater Engineering,  
101 SW Western Blvd., Corvallis, OR 97333 (541-753-7335) (FAX 541-752-2952)  
email: [Mater@mater.com](mailto:Mater@mater.com)

**Specialty:** Marketing forest industry policies; Forestry relations to public; Forest industry  
trends; Coordination of marketing and production; Forest industry and environment;  
Certification problems and opportunities.

**Will Discuss Formally:** All of the above.

**Will Discuss Informally:** Role of women in forest industry; Changing role of NIPFs.

**McLAIN, THOMAS E.**, Professor and Department Head, Department of Wood Science &  
Engineering, Oregon State University, 119 Richardson Hall, Corvallis, OR 97331-5751 (541-  
737-4224) ; <http://woodscience.oregonstate.edu> (FAX: 541-737-3385) email:

[Thomas.McLain@oregonstate.edu](mailto:Thomas.McLain@oregonstate.edu)

**Specialty:** Role of wood in a global economy; SWST Accreditation Standards; strategic

planning for forest products/wood science programs; academic, extension and research program administration challenges.

**Will Discuss Formally:** Recruiting students into WST programs; Introductory courses in FP/WST; SWST Accreditation Standards; The changing roles of wood in modern society; Integrating extension into a research and teaching program; Pacific Northwest forest conflicts.

**Will Discuss Informally:** Above topics and most anything else.

**MORRELL, JEFFREY J.**, Professor, Department of Forest Products, 230 Richardson Hall, Oregon State University, Corvallis, OR 97331-5751 (541-7737-4222) (FAX: 541-737-3385) email: Jeff.Morrell@oregonstate.edu

**Specialty:** Wood microbiology; Biodeterioration; Preservation.

**Will Discuss Formally:** Remedial control of decay in wood structures; Proper use of wood in adverse environments; OSU's cooperative pole research program.

**Will Discuss Informally:** Biodeterioration and biological interactions; Treatability of refractory wood species.

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**NO, BYUNG YOUNG, PhD**, Resin Chemist, Hexion Specialty Chemicals, Inc. R&D lab, 610 south 2<sup>nd</sup> street, Springfield, OR 97477 (541-741-6663) (Fax: 541-747-3868) email: Byung.YoungNo@hexionchem.com

**Specialty:** UF and MUF resins for wood-based composite.

**Will Discuss Formally:** Hydrolysis resistant UF and MUF resins for particleboard and medium-density fiberboard.

**Will Discuss Informally:** UF and MUF resins for wood-based composites.

**O'HALLORAN, MICHAEL R.**, President, Western Wood Products Association, 522 SW 5th Street,

Suite 500, Portland, OR 97204-2122 (503-224-3930) email: mohalloran@wwpa.org

**Specialty:** Wood engineering, mechanics, wood structures, codes, standards, research management.

**Will Discuss Formally:** Structural panel industry (Plywood, OSB, waferboard) status, markets, uses, standards, engineering design, LRFD design; Glued laminated timber; Structural composite lumber.

**Will Discuss Informally:** Trade associations; Structural panel topics; International markets; above topics.

**PATTERSON, DAVID W.**, Research Professor, Forest Products Utilization, Arkansas Forest Resources Center, P.O. Box 3468, Monticello, AR 71656 (870-460-1652)

(FAX 870-460-1092) email: pattersond@uamont.edu

**Specialty:** Tree weights, Bulk Density, Small Log Utilization

**Will Discuss Formally:** Bulk Density Studies, Weight Scaling Factors, Inside Out Beams, Open Web Beams, Tree Growth and Wood Quality

**Will Discuss Informally:** Trip to Russia, 3 Trips to Guinea in West Africa, Old War Stories

**RICE, WILLIAM W.**, Professor of Wood Science and Technology (retired), 137 Pine Street, Amherst, MA 01002 (413-549-0795) (FAX: 413-549-8010) email: wrice@forwild.umass.edu  
**Specialty:** Wood drying; Wood machining.

**Will Discuss Formally:** Quality control - log to rough mill; Predriers, kiln equipment and operation.

**Will Discuss Informally:** Wood technology program; Extension activities; New England Kiln Drying Association.

**ROSS, ROBERT J.**, Supervisory Research Engineer, Forest Products Laboratory, One Gifford Pinchot Drive, Madison, WI 53726 (608-231-9221) (FAX: 608-231-9592) email: rjross@fs.fed.us

**Specialty:** Wood engineering, nondestructive testing, structural composite

**Will Discuss Formally:** Nondestructive testing; Structural composites; Wood engineering.

**Will Discuss Informally:** Vitality of SWST and wood engineering; Educating wood engineers for the industry.

**SHALER, STEPHEN**, Professor, University of Maine, 5755 Nutting Hall, Orono, ME 04469-5755

(207-581-2886) (FAX: 207-581-2875) email: Steve.Shaler@umit.maine.edu

**Specialty:** Wood mechanics and composites.

**Will Discuss Formally:** Wood fiber properties; Computer and imaging applications; Experimental mechanics.

**Will Discuss Informally:** Hybrid wood composites.

**SHI, SHELDON QIANG**, Assistant Professor, Box 9820, Mississippi State, MS 39762-9820 (662-325-3110) (FAX: 662-325-8126) email: [sshi@cfr.msstate.edu](mailto:sshi@cfr.msstate.edu)

**Specialty:** Wood (Wood-plastics) composites, wood adhesion, moisture related properties of wood and wood composites.

**Will Discuss Formally:** Recycling of polymer fluff in wood composites; Contact angle determination of particles.

**Will Discuss Informally:** Moisture related properties of wood composites; Student recruitment issue.

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**SMITH, BOB**, Associate Professor/Extension Specialist, Virginia Tech, 1650 Ramble Road, Mailcode 0503, Blacksburg, VA 24061 (540-231-5876) (FAX 540-231-8868) email: rsmith4@vt.edu

**Specialty:** Forest products marketing; Professional sales in the forest products industry; Markets for wood in the U.S. infrastructure; Markets and perceptions of timber by engineers.

**Will Discuss Formally:** Marketing forest production; Perceptions of wood in the U.S. infrastructure; Educational needs in the forest products industry.

**Will Discuss Informally:** Timber bridges; Wood science and forest products at VPI; The Center for Forest Products Marketing and Management.

**SMITH, W. RAMSAY**, Global Research Manager, Arch Wood Protection, Inc., 3941 Bonsal Road, Conley, GA 30288 (404-362-3970) (FAX: 404-363-8585) email: [wsmith@archchemicals.com](mailto:wsmith@archchemicals.com)

**Specialty:** International trade in forest products; Hardwood exports; Wood quality influences on product acceptance in foreign markets.

**Will Discuss Informally:** Graduate programs in wood science and in international trade; Views of the future of the forest products industry; other topics as desired.

**SMULSKI, STEPHEN, Ph.D.**, President, Wood Science Specialists, Inc., 453 Wendell Rd., Shutesbury, MA 01072 (413-259-1661) (FAX: 413-259-1610) email: [woodsci@crocker.com](mailto:woodsci@crocker.com)

**Specialty:** In-service performance of wood and wood-base products in residential, commercial and industrial construction; Preventing degradation of wood in service.

**Will Discuss Formally:** Moisture problems and durability of wood-frame houses; Forensic application of wood science and technology

**Will Discuss Informally:** Consulting opportunities in wood science and technology; Career opportunities in wood science and technology.

**TANG, R. C.**, Professor, School of Forestry, Auburn University, Auburn, AL 36849-5418 (334-844-1088) (FAX: 334-844-4221) email: [tang@forestry.auburn.edu](mailto:tang@forestry.auburn.edu)

**Specialty:** Mechanics and physics of wood and wood composites.

**Will Discuss Formally:** Long-term performance of wood composite structures; Creep models of

wood composites under various environmental conditions; Elastic behavior of wood fibers; Dimensional stability and engineering reliability of wood composite structures; Duration of load behavior of lumber under changing environments; Effect of flake-cutting pattern and resin content

on the mechanical and physical properties of flakeboard.

**Will Discuss Informally:** Undergraduate and graduate programs in forest products and wood science

at Auburn; Mathematical models and simulation in forest and wood science.

**TEKLEYOHANNES, Anteneh Tesfaye**, University of British Columbia, Dept. of Wood Science, 2424 Main Mall, Vancouver, BC, CANADA V6T 1Z4 (604-822-8203) (FAX: 604-822-9195) email: [anteneht@interchange.ubc.ca](mailto:anteneht@interchange.ubc.ca)

**Specialty:** Wood products engineering--basic wood processing, Sawmilling; Drying and preservation; Composite materials and furniture.

**Will Discuss Formally:** Environmental aspects of wood products; Sawmilling; hydrothermal treatment of wood; and wood composite materials technology.

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**VLOSKY, RICHARD P.**, Ph.D., FIWSc., Director, Louisiana Forest Products Development Center and Professor, Forest Products Marketing School of Renewable Natural Resources, Louisiana State University Agricultural Center, Baton Rouge, LA 70803. Phone: (225) 578-4527; Fax: (225) 578-4251; Cell: (225) 223-1931; Email: vlosky@lsu.edu; URL: [www.rnr.lsu.edu/lfpdc](http://www.rnr.lsu.edu/lfpdc)

**Specialty:** Marketing; Forest Sector-Based Economic development.

**Will Discuss Formally:** Marketing Principles, Domestic and international wood products marketing and business development; Technology applications to improve business competitiveness; eBusiness, eCommerce; Marketing applications to economic development; Environmental certification and marketing; Value-added product opportunities.

**WANG, XIPING**, USDA Forest Service, Forest Products Laboratory, 1 Gifford Pinchot Drive, Madison, WI 53726-2398 (608-231-9461) (FAX: 608-231-9508) email: [xwang@fs.fed.us](mailto:xwang@fs.fed.us)

**Specialty:** Nondestructive evaluation (NDE) of wood; NDE of wood structural members/systems;

Wood drying.

**Will Discuss Formally:** NDE of trees, logs, lumber; NDE of structural members/systems.

**Will Discuss Informally:** Dry kiln control.

**WIEDENBECK, JANICE K.**, Project Leader, USDA Forest Service, Northeastern Forest Experiment Station, 241 Mercer Springs Road, Princeton, WV 24740 (304-431-2708) (FAX: 304-431-2772) email: [jwiedenbeck@fs.fed.us](mailto:jwiedenbeck@fs.fed.us)

**Specialty:** Secondary wood products processing; Manufacturing system simulation modeling; Production control.

**Will Discuss Formally:** Research pursuits and accomplishments of Princeton WV's work unit "Improved Processing Technology for Hardwoods" including gang-rip-first research and application programs; Rough mill simulation models; Yield improvement research; New hardwood lumber processing systems and technologies, etc.

**WINANDY, JERROLD**, Project Leader-Engineered composites. USDA Forest Service, Forest Products Laboratory, One Gifford Pinchot Dr., Madison, WI 53726-2398 (608-231-9316) (FAX: 608-231-9582) email: [jwinandy@wisc.edu](mailto:jwinandy@wisc.edu)

**Specialty:** Engineered wood composites; Durability; Composites as tool for sustainable forestry.

**Will Discuss Formally:** Composites; Preservation; Property effects; Enhancing durability.

**Will Discuss Informally:** Standards; Codes; Physical/mechanical properties.

**WOLCOTT, MICHAEL P.**, Professor, Wood Materials and Engineering Lab, Civil and Environmental Engineering, Washington State University, Pullman, WA 99164-1806 (509.335.6392) (Fax: 509.335.5077)

**Specialty:** Wood-based composite materials; viscoelasticity; adhesion.

**Will discuss formally:** Composites design, manufacture, and application; Bioproducts and Nanotechnology in the wood industry.

**Will discuss informally:** Commercial developments; Building products trends; Adhesion.

**YADAMA, VIKRAM**, Asst. Professor, Wood Materials and Engineering Lab, Civil and Environmental Engineering, Washington State University, Pullman, WA 99164-1806 (509.335.6261) (Fax: 509.335.5077), vyadama@wsu.edu

**Specialty:** Wood-based composite materials; viscoelasticity; adhesion.

**Will discuss formally:** Wood engineering and design, composites and their applications.

**Will discuss informally:** Building developments and construction technology.

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**YAN, NING.**, Assistant Professor, University of Toronto, Faculty of Forestry, 33 Wilcocks St., Toronto, Ontario CANADA M5S 3B3 (416-946-8070) (FAX: 416-978-3834)

email: ning.yan@utoronto.ca

**Specialty:** Material science.

**Will Discuss Formally:** Wood composites performance; Adhesive-wood interactions; Wood/natural fiber plastic composites; Pulp and paper.

**Will Discuss Informally:** Durability and weathering of forest products.

**ZERBE, JOHN I.**, 3310 Heatherdell Lane, Madison, WI 53713 (608-274-0714)

**Specialty:** Wood as a source of energy and petrochemical substitutes; Use of wood to combat global climate change.

**Will Discuss Formally:** Conversion of wood to improved fuels; Wood as a raw material for alcohol production; Reduction of atmospheric carbon dioxide through wood utilization by conservation, sequestration and substitution.

**Will Discuss Informally:** History of the forest resource as a source of fuel; Current thinking on wood as a source of energy; Impact of energy usage on the future of our economy; Impacts of atmospheric carbon dioxide increase.

**ZHANG, JILEI**, Associate Professor, Forest Products Laboratory, Mississippi State University, Box 9820, Mississippi State, MS 39762 (662-325-9413)

(FAX: 662-325-8126) email: jzhang@cfr.msstate.edu

**Specialty:** Furniture engineering.

**Will Discuss Formally:** Strength design of furniture; furniture performance tests and standards; evaluation of wood and wood composites as furniture stock; computer-aided to furniture design and structural analysis.

**Will Discuss Informally:** Computer-aided to furniture design, analysis, and manufacture; furniture package design and testing; nondestructive evaluation of furniture structural performance.

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