

SWST Newsletter

~ June 2009 ~



In This Issue (these are clickable links)

News

[SWST Annual Meeting](#)
[Publication of Thesis Titles in W&FS](#)
[New W&FS subscriber](#)
[New Professional Program in Composites](#)
[Open Letter on Biofuels](#)
[New Book on Wood Importation](#)
[Award for Dr. Lee at MSU](#)
[Grants Available for Earthquake Research in Japan](#)
[Dovetail E-newsletter](#)
[RNRF Climate Change Mtg.](#)
[In Memoriam - Violeta Bajenaru-Declerck](#)

Meetings

[Survive and Thrive in Minnesota](#)
[Biofuels at LSU](#)
[IUFRO Tree Biotechnology](#)

Positions

[MSc at Laval in Wood Machining](#)

[Dept Head at Virginia Tech](#)

[MSc at OSU in drying](#)

[Composites Prof at WVU](#)

[Nanofibre Chair in Alberta](#)

[Viance Technical Rep](#)

[Listings at Top Wood Jobs](#)

[Postdoc at Bordeaux](#)

SWST

[Request for nominations for SWST awards](#)

[Note from the W&FS Editor](#)

[Notes from Spring Board meeting](#)

[W&FS Editor's Report](#)

[Education Committee Report](#)

[Membership Committee Report](#)

[Policy & Critical Issues Committee Report](#)

[Past Presidents' Council Report](#)

[Accreditation Committee Report](#)

[About SWST](#)

[Visiting Scientist List](#)

Note from the Editor

Please send items for the August 2009 SWST Newsletter to me by the end of July.

AdamTaylor@utk.edu

[<Back>](#)

2009 SWST ANNUAL CONVENTION

Check the website for complete information: <http://swst.org/meetings/AM09/index.html>



2009 SWST International Annual Convention

Wednesday, June 24, 2009
Laurel Room at the Doubletree Hotel Boise-Riverside
Boise, Idaho, USA
In Cooperation with Forest Products Society

Topic: The Role of Wood in our Green Future

7:30–9:30 a.m. **Student Poster Competition** (*Juniper Room*)

7:30–8:00 a.m. **Registration and Coffee**

8:00–8:30 a.m. **Opening Remarks and Introductions**
Jim Funck

8:30–9:15 a.m. **Biomaterials Consumption and our Ecological Footprint - a Sobering Comparison** – Jim L. Bowyer, Director, Responsible Materials Program, Dovetail Partners, Inc. and Professor Emeritus, University of Minnesota, Department of Bioproducts and Biosystems Engineering, Minneapolis, MN

9:15–10:00 a.m. **Life Cycle Analysis of the Forest Products Industry**
Bruce Lippke, Professor/Director, Rural Technology Initiative, University of Washington, Seattle; and James Wilson, Professor Emeritus, Oregon State University, Corvallis, OR

10:00–10:15 a.m. **Break**

10:15–11:00 a.m. **Materials Are Green Only in Relationship to Each Other - LEED/USGBC Issues**
Jeff Howe, CEO of Fullerton Companies and Chairman of the Board, Dovetail Partners, Inc., Minneapolis, MN

11:00–11:45 a.m. **Why Efficient Manufacturing Is the Essence of Sustainability**
Rick Fisch, Director, Innovation and Productivity Center, Northwest Food Processors Association, Portland, OR

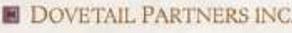
11:45 a.m.–1:30 p.m. **Lunch and Annual Business Meeting**

1:30–2:15 p.m. **Forest Certification - What it Really Means**
Catherine Phillips, Vice President, Sustainable Forestry, Weyerhaeuser Company, Federal Way, WA

2:15–3:00 p.m. **Wildfires and Insects Threaten Future Timber Supplies and Our Climate**
Thomas Bonnicksen, Professor Emeritus, Texas A&M University, College Station and Visiting Scholar, California Forest Foundation, Auburn, CA

3:00 p.m. **Closing remarks**
Jim Funck

3:00–6:00 p.m. **Poster Session/Cash Bar** (*Juniper Room*)



Registration Form



2009 SWST International Annual Convention

Wednesday, June 24, 2009

**Laurel Room at the Doubletree Hotel Boise-Riverside
Boise, Idaho, USA**

In Cooperation with Forest Products Society

Name: _____

Name for Name Badge: _____

Company: _____

Address: _____

City: _____ State/Province: _____

Country: _____ Zip: _____

Telephone: () _____

Fax: () _____

Email: _____

Registration Costs*

Before May 15

Attendees: \$150

Students and Retired: \$50

Exhibit Forum Participant: \$300

(for table and one individual registration)

After May 15

Attendees: \$175

Students and Retired: \$75

Exhibit Forum Participant: \$325

(for table and one individual registration)

*Includes coffee break, lunch, and poster reception

Credit Card #: _____

(VISA or MasterCard only)

Expiration Date: _____

Signature: _____

OR

Please make check payable to: Society of Wood Science and Technology

Hotel: http://doubletree1.hilton.com/en_US/dt/hotel/BOIR-DT-Doubletree-Hotel-Boise-Riverside-Idaho/index.do

Doubletree Hotel Boise-Riverside

2900 Chinden Boulevard, Boise, Idaho, United States 83714

Phone: 1-208-343-1871 • Fax: 1-208-344-1079

Room Rate: \$126 plus taxes *(includes complimentary airport shuttle)*

Mention Group Code: Forest Products Society

Room Block only held through May 27, 2009. All reservations must be guaranteed with a major credit card.

This deposit is not refundable if cancelled after 3:00 p.m. the day prior to arrival.

Return by May 15, 2009 to:

Vicki Herian

Executive Director

Society of Wood Science and Technology

One Gifford Pinchot Drive

Madison, WI 53726-2398

Phone: 608-231-9347 • Fax: 608-231-9592 • Email: vicki@swst.org

[<Back>](#)

[<Back>](#)

PUBLICATION OF THESIS AND DISSERTATION TITLES

As a service to all SWST members (and other readers), within the next several issues of Wood and Fiber Science, we will begin publishing titles submitted to us by graduate students who have completed their programs. In many cases, this information is not readily available outside of the particular university. Often the information is published substantially later or in some cases, not at all.

A prescribed format for submissions by students is given on the SWST web page (<http://www.swst.org/thesis.html>) Also on the web page are links to the relevant universities (<http://www.swst.org/schooldirectory.html>). If your university isn't listed and you would like it to be, please contact Vicki Herian (vicki@swst.org). Students should submit their "title" to the Editor, Wood and Fiber Science (frank.beall@nature.berkeley.edu).

[<Back>](#)

NEW SUBSCRIBER TO W&FS

SWST has a new subscriber to our journal, Wood and Fiber Science: the National Forest Library and Information Centre at the Forest Research Institute in Dehra Dun, India.

We offered a special incentive to them to begin subscribing: a printed copy of all past issues of the journal for their library.

SWST welcomes this new subscriber. Through this and other efforts, we hope to more of the world in the SWST community. For more information on institutional subscriptions to W&FS, please contact Vicki Herian - vicki@swst.org

[<Back>](#)

BIORESOURCE COMPOSITES: INNOVATION & ECODESIGN

The Groupe Ecole Supérieure du Bois (ESB) and its partner Institut Supérieur de Plasturgie d'Alençon (ISPA) wish to announce the opening (September 2009) of a one year post master degree course entitled: **BIORESOURCE COMPOSITES: INNOVATION & ECODESIGN**.

This programme is designed for engineers and high level professionals who wish to enhance their capabilities in innovation and eco-design within the domain of wood & polymer based composites.

Central to the course is the development of composites combining ligno-cellulosic materials and polymers. The teaching method is focussed on projects and structured around providing solutions for 4 main sectors: transport, packaging, furniture and construction.

Duration: 1 year

Starting date: end of September 2009 (application before the 1st of July 2009)

P.S. Additional information will appear here: [Bio resources Composites Programme](#)

Contact: Mark IRLE

Research Director Ecole Supérieure du Bois rue Christian Pauc, BP 10605, 44306 Nantes France	<i>The future is a composite!</i> Tel: +33 240 18 12 12 Fax: +33 240 18 12 00 email: mark.irle@ecoledubois.fr	Chairman COST Action E49 : <i>Processes and Performance of Wood- Based Panels</i> www.COSTE49.org
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[<Back>](#)

OPEN LETTER ON BIOFUELS

<http://www.renewableenergyworld.com/rea/news/article/2009/04/an-open-letter-to-president-obama-on-biofuels?src=rss>

[<Back>](#)

BOOK ON US WOOD PRODUCT IMPORTING

Rangika Perera, PhD student and her advisor, Dr. Richard Vlosky, Director, Louisiana Forest Products Development Center, LSU AgCenter, recently published a book on US wood product importing. The citation is:

Perera, Rangika and Richard P. Vlosky. 2009. "An Overview of the Wood Product Import sector in the U.S". VDM Verlag Dr. Müller Aktiengesellschaft & Co. KG, Dudweiler Landstr. 125 a, D - 66123 Saarbrücken, Germany. 92p. ISBN 978-3-639-13770-5.

[<Back>](#)

OUTSTANDING RESEARCH AWARD TO DR LEE

Dr. Sangyeob Lee (Ph.D. '06, Forest Products, LSU) received the Outstanding Research Award from Mississippi State University at a ceremony in Starkville, MS on April 30, 2009. Dr. Lee is currently working as a Postdoctoral Research Scientist in the Department of Forest Products at Mississippi State University. His research is aimed at improving the performance of wood composites.

The Office of the Vice President for Research and Economic Development and the Vice President for Agriculture, Forestry, and Veterinary Medicine at Mississippi State University sponsor an annual Research Awards Program to honor those who contribute significantly to the mission of Research; recognize and reward students, faculty and support staff for their accomplishments, research and creative endeavors; and increase awareness of MSU research programs and capabilities. The four categories for the award are Faculty, Research Support Staff (professional/classified), Graduate Students (Masters or Doctoral), and undergraduate students

from each college of MSU.

Dr. Lee was the winner in the Research Support Staff (professional/classified) nominee. Dr. Lee was nominated by The Office of the Vice President for Research and Economic Development and the Vice President for Agriculture, Forestry, and Veterinary Medicine

[<Back>](#)

TRAVEL GRANTS TO JAPAN FOR E-DEFENSE TESTS

Funding for ten (10) travel grants for early career researchers (Assistant Professors not yet tenured; Post Doctoral Researchers; Research Associates, and Ph.D. Students) is anticipated.

The grants are for early career earthquake engineering researchers to participate in the NEESWood Capstone tests at E-Defense on July 14, 2009. Each of the grants is for an amount not to exceed US\$2,450 and will be reimbursed based on direct expenses plus US federal per diem rates. The MCE (2,500 year return period) level test is scheduled for the afternoon of July 14, 2009 with two days of damage inspection/documentation on July 15/16. Grantees are not required to participate in damage inspection, but their participation is welcomed.

To apply for a travel grant please provide:

- 1.) Your 2-page NSF CV
- 2.) A short statement (not to exceed ½ page) indicating how you feel your attendance or participation would provide a benefit to your career as an earthquake engineering researcher.
- 3.) You proposed dates of travel

Please email your application in a single PDF to Professor John W. van de Lindt at jwv@engr.colostate.edu by June 3, 2009.

Selection of grantees will be made by an e-panel consisting of the NEESWood Project Team with input from a representative of the Women and Minorities Program at Colorado State University. Persons from under-represented groups in science and engineering are especially encouraged to apply. Award of the travel grant is contingent on receipt of the parent award by Colorado State University.

Sincerely,

John W. van de Lindt
Colorado State University

NEESWood PI

<http://www.engr.colostate.edu/NEESwood/>

[<Back>](#)

DOVETAIL NEWSLETTER

Are you looking for information about environmental issues including green building, responsible materials, certification and other environmental trends and choices?

Please accept this invitation to receive the free, monthly e-newsletter from Dovetail Partners.

Dovetail Partners is a nonprofit organization that provides authoritative information about the impacts and trade-offs of environmental decisions, including consumption choices, land use, and policy alternatives.

Dovetail publishes a monthly e-newsletter, The Outlook, to keep you up-to-date on our latest reports, commentaries, news and events. More than 12,000 people currently receive The Outlook. You can subscribe by sending a message to the listserv.

To subscribe, please send a message to:

listserv@dovetailinc.org <<mailto:listserv@dovetailinc.org>> with "join newsletter@dovetailinc.org" in the subject line (do not include the quotation marks).

Please remember to reply to the confirmation message to complete your subscription.

To view past issues of The Outlook, visit: <http://dovetailinc.org/content/outlook-2009>

[<Back>](#)

RNRF ROUNDTABLE WITH THE CHIEF OF THE US FOREST SERVICE Spring Meeting, Preparing for the Impacts of Climate Change, May 28, 2009 Washington, D.C.

I represented SWST at two important Renewable Natural Resource Foundation (RNRF) events recently in Washington, D.C. The invited delegates were comprised of a select group of professionals from the disciplines represented by our member organizations and other essential interested parties. More details for both of these programs can be found at the RNRF website "www.rnrf.org"

The first was a Roundtable with the 16th Chief of the Forest Service, Abigail (Gail) Kimbell, and her Deputy Chief for the National Forest System, Joel Holtrop. The Chief talked of her emphasis on 1) Climate change and its impact on our Nation's forests, 2) the importance of water (58% of all municipal water goes through Forest Service lands), and 3) the loss of a connection to nature, especially for kids (rectify by programs such as National Get Outdoors Day in June). Her concern of the increasing cost of firefighting and its impact on Forest Service programs was also discussed.



Joel Holtrop, Gail Kimball, Barry Starke (Chairman RNRFB Board) Myself, Bob Day (Executive Director RNRFB)



Dr. David Cleaves

The next day at RNRFB's Spring Meeting, a panel of experts at the American Geophysical Union spoke on the preparation for the impacts of climate change. Dr. David Cleaves, Acting Deputy Chief for FS Research and Development spoke on implications of land management. Dave emphasized the changes in range of specific species located in the United States and how these changes have affected wildlife habitat and water runoff. He also emphasized measures the Forest Service might take to adapt to these changes. Other panelist included Dr. Mathew Larsen, Associate Director for Water for the U. S. Geological Survey; who addressed climate change's implications for water management and Dr. Paul Higgins, Senior Policy Analyst for the American Meteorological Society; who discussed implications to biotic populations. All panelist pointed out that mitigation and adaptation to climate change were important, but mitigation was the more difficult to achieve politically. A lively discussion between panelists and the delegates followed.

Howard N. Rosen
SWST RNRFB Representative

[<Back>](#)

VIOLETA BAJENARU-DECLARCK

We are sad to share the news from the Ecole Supérieur du Bois in Nancy, France, that Violeta Bajenaru was aboard the Air France flight 477 that crashed off of the coast of Brazil. Violeta was a fellow wood scientist and recently attended and contributed to our 2008 International Convention in Chile, where many of you may have met her.

We wish comfort to her family.

Victoria Herian, Executive Director, SWST

The President the Board of Directors, Robert Janvrin, and staff of the Ecole Supérieure du Bois share in the suffering of the family of Mrs. Violeta Bajenaru-Declerck, who disappeared with Air France flight 447.

Dr. Bajenaru-Declerck, who is both a lecturer and responsible for International Relations at the Ecole Supérieure du Bois, was returning from a meeting held in Rio de Janeiro of Forum BRAFITEC, a Franco-Brazilian exchange programme.

After studying in Romania at Bucharest, Mrs Bajenaru-Declerck obtained a doctorate in economics from the Paul Cézanne University in Aix, Provence.

Dr. Bajenaru-Declerck began her career as a tutor at the University Paul Cézanne, and then she was a teacher at ESSCA Angers, before entering the Ecole Supérieure du Bois in November 2007.

She rapidly integrated herself into Ecole Supérieure du Bois's international policy and was instrumental in the creation of a double diploma between the Ecole Supérieure du Bois and the Federal University of Parana (UFPR), in Brazil.

Her personality, her total commitment to all her tasks, and her ability to communicate has left its mark on the School's collaborators, staff and students, all of whom are now left in sorrow.

Nantes, on June 2, 2009

Arnaud GODEVIN
Director



Contact : Arnaud Godevin – tél : +33 2 40 18 12 45

[<Back>](#)

SURVIVE AND THRIVE: SEIZING OPPORTUNITIES IN A TOUGH ECONOMY

The Inn on Lake Superior Duluth, Minnesota, USA July 15, 2009. Sponsored by the FPS Upper Mississippi Valley Section.

U.S. manufacturers and companies are facing one of the most challenging economies ever. Yet, opportunities exist to strengthen your company by increasing revenue and reducing costs. Join us to identify strategies to not only survive, but to thrive! Also, join us for a plant tour of Duluth's innovative Epicurean Cutting Surfaces/Loll Designs.

For more information or to register, please visit
<http://www.forestprod.org/umvsection09meeting.pdf>.

Other FPS Conferences

For a complete list of 2009 FPS conferences, please visit
<http://www.forestprod.org/conf2009.html>.

[<Back>](#)

3RD LOUISIANA NATURAL RESOURCES SYMPOSIUM

July 16-17 at LSU

The LSU AgCenter will be hosting the third *Louisiana Natural Resources Symposium* on July 16-17, 2009 at the Lod Cook Conference Center and Hotel on the campus of Louisiana State University. The theme of the symposium is "Bioenergy Opportunities for Louisiana." The registration brochure and other information is available at www.lsuagcenter.com/lhrs for easy registration. The 2009 symposium will feature papers from leading international experts from academia and private industry covering issues related to bioenergy. The target audience includes land managers, foresters, land owners, entrepreneurs, academicians, and those interested in this emerging opportunity. A comprehensive and professional proceedings will be available to all registrants. Early bird registration ends on July 2. Booth space and sponsorships are available for interested companies and associations. This program qualifies for 9 hours of Continuing Logger Education from the Louisiana Logging Council and for 6.5 hours of category 1 and 1.5 hours of category continuing forestry education from the Society of American Foresters. For more information, please contact Todd Shupe at tshupe@agcenter.lsu.edu or (225)578-6432.

[<Back>](#)

2009 IUFRO TREE BIOTECHNOLOGY CONFERENCE

June 28 - July 2, 2009

Whistler, BC Canada

www.treebiotech2009.com

REGULAR REGISTRATION DEADLINE May 29, 2009 All registrations received on or after May 30, 2009 will be processed on-site at the Conference

[<Back>](#)

GRADUATE RESEARCH ASSISTANTSHIP FOR M.SC. AT LAVAL

A full-time Graduate Research Assistantship is available for a qualified student to undertake research in the area of surface machining for adhesion of exterior paints to wood sidings. The research is funded by the Value to Wood program of the Natural Resource Canada's Canadian Forest Service. The manufacture of panelling for exterior use is an important alternative to help increase the value of wood as raw material. Wood surface and surface machining both have a significant effect on paint adhesion phenomena. The research will aim to improve the performance of moulders by reducing the peeling occurrence in sidings.

The candidate will have a B.Sc. degree in Wood Science or related field (such as Engineering, Material Science, Forest Science, etc.). A strong background in wood machining, wood anatomy, and statistical analysis is highly desirable. The preferred start date for the M.Sc. studies is September 2009.

Location: Centre de Recherche sur le Bois, Pavillon Gene Kruger, Laval University, Quebec, Canada. The study is conducted within a collaborative project with Industries Maibec Inc.

Scholarship : 18500\$/year.

Interested persons are invited to send a letter of interest by email and a recent CV to:

Roger Hernández, Ph.D., Professor
Université Laval, Québec
Roger.hernandez@sbf.ulaval.ca

[<Back>](#)

PROFESSOR AND DEPARTMENT HEAD DEPARTMENT OF WOOD SCIENCE AND FOREST PRODUCTS VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

Applications are invited for the position of Professor and Department Head, Wood Science and

Forest Products Department at Virginia Tech. Qualified candidates for the position must have outstanding leadership and administrative skills; internationally recognized as a research or business leader in forest products and related areas; dedication to education; and credentials commensurate with appointment as Full Professor with tenure. The successful candidate will be expected to: advocate the department to the university administration, industry, and government; lead innovative teaching curricula and programs; encourage faculty development and creativity; lead fund-raising efforts by cultivating government, corporate, and private support; and support the recruitment of undergraduate and graduate students into the program. Additional details are available at the web page: <http://www.woodscience.vt.edu/searchresources/>. Applications review will begin July 24, 2009 and continue until the position is filled.

Candidates are asked to submit a curriculum vita detailing their qualifications and experience, the names and addresses of five references, and a vision statement for leading the department to:

Dr. Janaki Alavalapati, Professor and Head
Department of Forest Resources and Environmental Conservation
College of Natural Resources, Virginia Tech – 313 Cheatham Hall (0324)
Blacksburg, VA 24061
Phone 540.231.5676; Fax 540.231.3698; Email jrra@vt.edu

Virginia Tech is an EOAA Institution.

[<Back>](#)

GRA IN DRYING AT OSU

A graduate research assistantship is available at the M.S. level for a student in the area of biomass drying at Oregon State University, Corvallis, OR. Qualifications include a degree in Wood Science, Engineering, or a related field. Start date is Fall 2009. The stipend level is 0.4 FTE and carries a tuition waiver. More information including application forms can be found at

<http://woodscience.oregonstate.edu/graddetails.php?topic=geninfo>

For additional information contact:

Dr. Michael R. Milota
Oregon Wood Innovation Center, Department of Wood Science and Engineering
136 Richardson Hall, Oregon State University
Corvallis, OR 97331-5751
(541) 737-4210 V
(541) 737-3385 F

Mike.Milota@OregonState.edu
<http://woodscience.oregonstate.edu/>

[<Back>](#)

ASSISTANT PROFESSOR OF WOOD SCIENCE AND TECHNOLOGY EMPHASIZING WOOD-BASED COMPOSITES AND BIOPRODUCTS

Academic Rank and Salary: The Wood Science and Technology Program in the Division of Forestry and Natural Resources at West Virginia University is seeking to fill a nine-month, tenure track position at the rank of Assistant Professor. We anticipate that the position will begin on August 16, 2009.

Responsibilities: This position will require the incumbent to focus on conceiving, inventing, and developing practical solutions to wood-based composites, bioproducts, regional energy, and building concerns. The incumbent will be expected to develop a strong multi-disciplinary effort in the material science field. The new faculty will work in the Davis College and work closely with university faculty and staff from different departments and colleges. Responsibilities include but are not limited to the following: 1) planning and developing support for research programs focused on wood-based composites, materials science, and other multidisciplinary research and development opportunities; extraction of specific materials from woody biomass resources using economical processes; multi-component composites and nanocomposites, and expansion of the use of wood residues; 2) teaching undergraduate and graduate courses in wood-based composite mechanics, wood plastic composites, woody biomass utilization, bioproducts, or other related courses, including the development of a graduate level course appropriate to the needs of the Wood Science and Technology Program and the candidate's expertise; 3) collaborating with government agencies and industries relative to long-term partnerships in the development of wood-based composites and bioproducts, and 4) attracting and mentoring graduate students, acquiring extramural funding, and publishing research results in refereed research journals.

Qualifications An earned doctorate in Wood Science, Materials Science or related disciplines is required. Experience in wood-based composites, woody biomass utilization, cellulosic nanocomposites, and other bioproducts are preferred. Demonstrated ability to communicate with students, industry, government agencies, and to work within interdisciplinary research groups that are cross-cutting among science, technology, engineering, and mathematics (STEM) disciplines is essential.

Program The Wood Science and Technology program at WVU is one of four program areas in the Division of Forestry and Natural Resources. The program offers degrees at the bachelor's, masters, and doctoral levels. The B.S. in Wood Science and Technology is accredited by the Society of Wood Science and Technology. The recently established Biomaterials and Wood Utilization Research Center is affiliated with the program and has focused on developing new products, biofuels, and techniques that make better use of upland hardwoods and woody biomass.

Location The West Virginia University main campus is located in Morgantown, a small city of 45,000 in the Appalachian Mountains on West Virginia's northern border adjacent to

Pennsylvania. Morgantown was rated third in the United States among best metropolitan cities in which to live in *The Rating Guide to Life in America's Small Cities*, 1997 edition. West Virginia University is the state's major research, doctoral degree granting, land-grant institution. It serves over 28,500 students in 184-degree programs offered by 15 academic schools and colleges.

Application Qualified applicants should submit an application letter, detailed curriculum vitae, transcripts, and a list containing at least three professional references that includes all necessary contact information (address, telephone number, and e-mail address). All correspondence must be sent to and inquiries directed to:

Dr. Joseph F. McNeel, Director
Division of Forestry and Natural Resources
West Virginia University
P.O. Box 6125
Morgantown, West Virginia 26506-6125
jmcneel@wvu.edu
Phone (304) 293-4412
Fax (304) 293-2441

Applications will be accepted until June 8, 2009 or until the position is filled. West Virginia University is committed to enhancing its faculty diversity. Women and minority applicants are encouraged to apply. Web Site: <http://www.forestry.caf.wvu.edu>

An Equal Opportunity/Affirmative Action Employer

[<Back>](#)

NANOFIBRE RESEARCH CHAIR IN FOREST PRODUCTS

<http://www.engineering.ualberta.ca/civil/careers.cfm>

The Department of Civil and Environmental Engineering invites applications for the position of Nanofibre Research Chair in Forest Products. The Chair position is funded by the Alberta Forestry Research Institute, Alberta Advanced Education and Technology and will be jointly appointed with the National Research Council (NRC) of Canada through the National Institute for Nanotechnology (NINT). This position is intended for a mid-career tenured appointment at the Associate or Full Professor level; however, depending on the qualifications and experience a tenure-track appointment at the Assistant or Associate professor level may be considered.

The successful candidate is expected to develop a significant independent research program in the area of nanocellulose and nanomaterials, linking nanotechnology to forest products industry. The focus would include the use of nanocellulose and nanocrystalline cellulose (NCC) from wood in a range of products within and outside the forest sector as well as the use of nanomaterials from other sectors in the manufacturing of forest products. The successful candidate will also be expected to conduct research; supervise graduate students; teach graduate and undergraduate courses in his or her fields of interest; and collaborate with the FPInnovation, Alberta Research Council and the Department of Renewable Resources in the University of

Alberta on the development of transformative nanotechnology within the forest section in Canada.

Applicants must possess a PhD preferably in a related engineering field; will be a licensed professional engineer with eligibility for membership in the Association of Professional Engineers, Geologists, and Geophysicists of Alberta (APEGGA); and must demonstrate a commitment to teaching and research at the university level. The NINT is an integrated, multi-disciplinary institution involving researchers in physics, chemistry, engineering, biology, informatics, pharmacy and medicine. Established in 2001, it is operated as a partnership between the National Research Council and the University of Alberta, and is jointly funded by the Government of Canada, the Government of Alberta, the NRC and the University.

NINT researchers are focused on the revolutionary work being done at the nano-scale, the world of individual atoms or molecules. The main focus of nanotechnology research is the integration of nano-scale devices and materials into complex nanosystems that are connected to the outside world. The long-term objective is to discover 'design rules' for nanotechnology, and develop platforms for building nanosystems and materials that can be constructed and programmed for a particular application.

Located in Edmonton, Alberta on the University of Alberta campus, NINT's 20,000 square-metre building is one of the world's most technologically advanced research facilities and houses the quietest laboratory space in Canada. The University of Alberta, founded in 1908, is one of Canada's foremost research-intensive universities with an operating budget of over one billion dollars annually; the external research funding was over 500 million dollars in 2007/08. The University has over 37,000 students, including over 6000 graduate students. The Faculty of Engineering has over 3800 undergraduate and 1200 graduate students. The Department of Civil and Environmental Engineering (including School of Mining and Petroleum Engineering)

is undergoing a major expansion and is committed to securing a position among the leading schools in North America. With a present complement of 45 faculty members, research in the Department is vigorous and covers all major areas of Civil, Environmental, Mining, and Petroleum Engineering. Our graduate program attracts outstanding students from the best schools worldwide and presently has an enrollment of close to 400 students, including approximately 160 PhD students, from 44 different countries. The undergraduate programs in Civil Engineering, Environmental Engineering, Biomedical Engineering, Mining Engineering, and Petroleum Engineering, enroll over 950 students. Research and teaching needs of the Department are served by the new Natural Resources Engineering Facility that has a total area of 30,000 square metres. The undergraduate and graduate laboratories are generously equipped with state-of-the-art equipment and excellent computing facilities are available.

The University is situated in the heart of Edmonton on the banks of the North Saskatchewan River. The Edmonton area has a population of over one million people, and offers a diverse array of cultural and sporting activities year round. The Rocky Mountain National Parks of Jasper and Banff are readily accessible from Edmonton by modern express highways, providing access to some of the finest skiing, kayaking, cycling, camping, backpacking and fishing in the world.

Applicants are invited to submit their curriculum vitae including employment history, a statement outlining research and teaching interests, a brief description of major contributions,

reprints of at least two representative research papers and the names of at least three referees to:

Dr. J.J. Roger Cheng, Chair
Department of Civil and Environmental Engineering,
School of Mining and Petroleum Engineering
University of Alberta
Edmonton, Alberta, Canada T6G 2W2
E-mail: roger.cheng@ualberta.ca

The competition will remain open until the position is filled. Review of applications and selection of short-listed candidates will begin on April 30, 2009.

[<Back>](#)

TECHNICAL SERVICE PROJECT REPRESENTATIVE

Position Summary:

Position provides on-site technical support to Viance, LLC's wood preserving customer base in the Western United States and Canada.

Occupational Responsibilities

This position provides Viance, LLC customers with a variety of detailed technical services in the areas of quality control, analytical support, processing and cost optimization, health and safety, and environmental compliance. Services are provided on-site at wood preservation production facilities throughout the Western United States and Western Canada. Customer support may also be required in other parts of North America. The position reports to the Viance, LLC Western Regional Sales Manager and the Technical Services Group.

Description of Tasks

- Maintain exemplary level of knowledge regarding Viance, LLC products and services
- Maintain current knowledge of wood treating practices and procedures
- Troubleshoot and assist in problem solving of customer issues with Technical Service Group
- Assist with onsite technical evaluations
- Assist in compliance factors at customer sites
- Coordinate with customer service regarding customer specific issues
- Organize and deliver presentations
- Prepare written reports to customers
- Maintain Reports to Management
- Office duties performed in a home based environment
- Work independently and manage projects timely with limited supervision
- Extensive travel

Qualifications

- One year experience in Wood Preservation
- Experience in MS Office

- Ability to travel (domestic and internationally)
- Knowledge of OSHA and Company Safety Standards
- Interpersonal skills-ability to interact with many levels of employees
- Excellent written and oral communication skills

Education

- BS in Forest Products, Wood Science or equivalent experience

Physical Demands

- Stress resilient
- Be able to sit for several hours at computer or phone
- Frequent travel
- Industrial Environments

ENVIRONMENTAL CONDITIONS

- Varied

Please send resumes to:
Human Resources Manager
Viance, LLC
200 East Woodlawn Road Suite 350
Charlotte, NC 28217
Fax 704-971-6834
hr@viance.net
www.treatedwood.com
EEO MFVD EMPLOYER

[<Back>](#)

LISTINGS AT TOPWOODJOBS.COM

We have upgraded both our web sites at www.ForestProductsJobs.com and www.TopWoodJobs.com as well. Top Wood Jobs can provide either full time employees or plant support for any project needs.

Current Job Listings:

Engineering, Design, & Project Mgmt
Project/CAD/CAM Engineer - CA
Plant Process Engineer - KY
Product Engineering Manager - KY
Mechanical Engineer - Power - WA
Sr. Mechanical Engineer - Power - WA
Maintenance & Construction
Maintenance Superintendent - South

Maintenance Superintendent - OR
Operations & Production
Production Superintendent - South
Production Supervisor - OR
Production Support Assistant - KY
Production Supervisor - Plywood - LA

George Meek

Top Wood Jobs

541-954-8456

www.TopWoodJobs.com

[<Back>](#)

CALL FOR A POST DOCTORATE POSITION

Topic: Surface morphology of structural timber

Duration: 12 months

Location: US2B, University Bordeaux 1, Bordeaux (France)

Contact: coureau@us2b.pierroton.inra.fr

The general aim of the project is to connect image analysis of the four faces of a timber beam to a finite element code in order to predict its mechanical properties (MOR, fracture energy) and thus reconsider the concepts of visual grading. A database of several hundreds of maritime pine beams has been constituted, in terms of surface images, MOE and MOR. The candidate will have to connect surface morphology of beams (singularities, defects, grain angle) to local mechanical properties that will be integrated to the FE code for simulations.

Post-doctoral student should have a good knowledge concerning image analysis in order to develop strategies adequate for the problem. Additional Competences in Material Sciences (particularly in Wood Sciences) and Optimisation Algorithm are welcome.

--

Patrick Castéra

Directeur

Unité Sciences du Bois et des Biopolymères

Unité mixte INRA/CNRS/Université Bordeaux 1

Adresse Talence: Bâtiment A11 351 cours de la liberation 33405 Talence

Adresse Pierroton: Domaine de l'Hermitage 69, route d'Arcachon 33612 CESTAS CEDEX

Tel : +33 (0)5 40 00 31 00

mobile: 06 08 26 43 92

secrétariat: +33 (0) 5 57 12 28 20

Fax : +33 (0) 5 40 00 35 95 / +33 (0)5 56 68 07 13

mail: castera@us2b.pierroton.inra.fr

[<Back>](#)

REQUEST FOR SWST FELLOW AND DISTINGUISHED SERVICE AWARD NOMINATIONS:

The Past Presidents' Council requests nominations for the 2010 SWST Fellow and Distinguished Service Awards. Qualifications and procedures for nominating candidates for either award may be found on the SWST web site: <http://www.swst.org/awards.html>.

Please submit nominations directly to Vicki at the SWST Office.

Jim Armstrong, Chair
Past Presidents' Council

[<Back>](#)

NOTE FROM W&FS EDITOR FRANK BEALL

Our manuscript backlog is minimal, so now is the time to get papers published quickly. We are four months to "prepublication" (posted on the SWST web as the official date of publication). The time to hard copy has also been reduced to about six months. The Impact Factor has improved substantially over the past several years vs our peer journals. Another major change is consistency in style and format, as well as careful editing to improve the readability of papers.

[<Back>](#)

NOTES FROM SPRING BOARD MEETING

San Diego

- The Executive Board spent April 2, 2009 working on the next SWST Strategic Plan. Once the plan is finalized, it will be sent to the members for comment.
- NRNA proceedings is in process of being completed. A draft will be ready for the June meeting.
- WVU Accreditation site visit is scheduled for April 19-22, 2009
- Yearly reports from seven programs: SUNY-ESF, Univ. of ID, PN State U., U. of MN, VA Tech, MS State U., Univ. of ME have been received. OR State U. and NC State U are still outstanding
- Self study from UBB Accreditation was received. Report from visiting team has not yet been received, but is expected by June 2009
- An e-mail survey on developing a database of standardized test questions to evaluate students on the basic concepts of wood science and technology was sent to Education Committee members, WST program heads, and the university contacts listed in the Committee Handbook in January. The committee recommends that those programs that wish to cooperate in such an effort do so independently of SWST.

- Almost completed the directory of international wood science and technology academic programs for distribution to members, perhaps on the web.
- A survey of accredited programs to compile a guide of successful recruiting activities for distribution to members and program heads is being completed.
- Students are not sufficiently informed about SWST. Mentors at schools need to do a better job of talking to them, and SWST needs to do a better job of providing clear information as to who we are and why they should be a member.
- Emails were sent by the Membership Committee to delinquent members, to student members encouraging them to convert to full upon graduation, and to the IUFRO emerging country list informing them of the Society.
- The slate of officers sent to the Executive Office for ballot are: Vice President Jeff Morrell and Todd Shupe; Directors – Ben Dawson-Andoh, Laurent Matuana, Steve Quarles, and Sheldon Shi. The constitutional and bylaw change will also go out.
- The Past Presidents Council is pleased to announce that Ms. Carol Ovens and Dr. Tom McLain have been selected as the 2009 recipients of the SWST Distinguished Service Award. Dr. Doug Stokke was named an SWST Fellow. The recipients will be honored at the Annual Convention in Boise.
- The Policy and Critical Issues Committee completed Position Paper on Woody Biomass for Energy Production in September of 2008 which has been distributed and is on the website. The committee is working on reviewing out-of-date statements and writing new ones.
- The Publication Policy committee is reviewing the costs associated with Wood and Fiber Science.
- Marra Award winners are: 1st Place – “Measuring and simulating the effects of the pressing schedule on the density profile development in wood-based composites”, by Thoemen and Ruf (40/3, pp. 325-338). 2nd Place – “Impact of mountain pine beetle-attacked lodgepole pine logs on plywood manufacturing”, by Wang, Dai, Wharton (40/3, pp. 412-426).
- The Visiting Scientist Program committee is exploring new ways to use funds to promote participation by students and researchers. They will give a short presentation at the June business meeting.
- Wood and Fiber Science time to publication: We have cut our time to publication by more than 50% over the past year. For issue 41/2 (April), the time to hard copy publication will be 6 months, and that to prepublication 4 months. Our impact factor continues to rise.
- State of the Art papers and Technical Notes are avenues of publication that can help improve impact factors.
- Full members 275
Student members 59
Retired members 39
Developing Full 6
Developing Student 3
TOTAL **382**
Subscribers 171

- The balance in the five Vanguard funds was \$81,687.79 on December 31, 2008 (the date of the last statement). The current balance for the Vanguard Index Fund (student poster money) is \$11,281.41. The CD balance as of 4/3/08 was \$57,517.08. The savings balance is \$60,576.66. The balance in the checking account as of April 3, 2009 is \$66,531.54.
- The first international meeting outside of North America was held on November 10-12, 2008 in Concepción, Chile at the Universidad del Bío-Bío, a cosponsor and co-organizer of the meeting and was a tremendous success. There were 120 participants from 16 countries.
- The 2009 International Convention will be held on June 24 in Boise, Idaho, in cooperation with FPS.
- The 2010 International Convention will be held in Geneva, Switzerland October 11-15, 2010, at the Palais des Nations, in conjunction with the UNECE/TC meetings
- The 2011 International Convention will be held in Portland, Oregon, in cooperation with FPS
- 2012 International Convention will be held in Beijing, China the last part of August
- SWST Executive Board has agreed to cosponsor the Wood Adhesives Conference in October 2009 and the IUFRO World Congress in Korea in August 2010.

[<Back>](#)

WOOD AND FIBER SCIENCE EDITOR'S REPORT

Time to publication. This has now been reduced to 6 months for the hard copy issue and 4 months as the web pre-publication (see Publication report below).

Current Issues. 41/2(April) has been issued with 10 research papers, the same number as in 41/1. We have 10 papers in the review process, 4 being revised, 5 being edited, and 13 completed or moving ahead to galley. The number of submissions has increased substantially (3 in Feb, 4 in Mar, 6 in Apr, 7 in May). At this point, we're planning 13 papers in the 41/3 (July) issue. 41/3 will contain two technical notes; this type of contribution was recently approved by the SWST Board. Information on TN can be found on the web page.

CORRIM special issue. At this time, we have 10 papers received (with a total of 12 planned) and two in review. The publication date is likely the end of 2009.

Book reviews. None has been recommended.

Publication Report

Issue	40/1 (Jan)	40/2 (Apr)	40/3 (Jul)	40/4 (Oct)	41/1 (Jan)	41/2 (Apr)
Articles	14	16	16	18	10	10
Pages	132	163	168	200	100	103
Ave pub (mo)	13	14	11	9	6(7)*	6(4)*

*Starting with 41/1, time to publication has average times to preprint posting and hard copy

issue.

Impact Factors. Below are IF for the past two years; they're published about mid-year for the previous year, so we won't have the 2008 numbers until about mid-2009.

	2006	2007	Change (%)
Holzforschung	1.014	0.811	- 20
Wood Science and Technology	0.74	0.691	- 6.6
IAWA Journal	0.667	0.687	+3.0
Wood and Fiber Science	0.54	0.555	+2.7
Forest Products Journal	0.387	0.351	- 9.3

- Frank Beall, Editor

[<Back>](#)

EDUCATION COMMITTEE REPORT

Jim Armstrong, Chair

June 2, 2009

The SWST Education Committee was given the following special charges for 2009:

“Complete the directory of international wood science and technology academic programs for distribution to members, perhaps on the web. Submit to the Board by February 1, 2008.” A Microsoft Access database of programs is being completed by a graduate student under the direction of Dr. Eva Haviarova and is nearing completion.

“Survey accredited programs and compile a guide of successful recruiting activities for distribution to members and program heads. Submit report to the Board by February 1, 2008.” This survey is the master's degree project of a student in the Public Relations Department at WVU. It has yet to be completed.

E-mails were sent to university contacts requesting that the April SWST Newsletter be distributed to students along with information on joining the Society as student members.

The Education Committee sent an e-mail reminder to University contacts in May reminding them that graduate student thesis titles may be submitted for publication in *Wood and Fiber Science* and on the SWST web site. Guidelines for submission were attached to the e-mail. As of this date, four thesis titles have been posted on the SWST web site in 2009.

[<Back>](#)

SWST REPORT FROM MEMBERSHIP COMMITTEE (6-1-2009)

The membership subscriber for SWST as of the end of May 2009

Paid for 2009:

Full: 305 (9 are emerging country)

Retired: 39

Student: 77 (5 are emerging country)

TOTAL: 422

A letter was sent to the emerging country mailing list two months ago. Many responses were received inquiring about the membership.

An email letter was also sent to the delinquent member email list. Some people response immediately indicating an interest to join the SWST membership.

An email letter was sent to student mailing list.

Dr. Tze (vice chair) has been busy working on the approval of the new applicants. Attached is the list of new members approved from 12-6-2008 to 6-1-2009.

Many inquiries are from the international colleague (especially from the emerging countries) on membership fee payment method to join the SWST

Dr. Sheldon Q. Shi, SWST Membership Chair, 662-325-3110 (phone), sshi@cfr.msstate.edu (Email)

[<Back>](#)

SWST POLICY AND CRITICAL ISSUES ANNUAL REPORT 2008-9

Members –Sue Levan-Green, Eini Lowell, Bill Boehner, John Shelly, Bruce Lippke, Dan Wheat, Terrance Conners

1) Completed Position Paper on Woody Biomass for Energy Production in September of 2008

Sent copies to key environmental advisors for Presidential candidates Barack Obama and John McCain

Sent pre-release or copies of the Position Paper to over 170 people and organizations interested in biomass for energy throughout the United States

2) Began working on two new Position Papers:

Advantages of using lignocellulosic biomass rather than food products for bioenergy, final sent to SWST Executive Board in May 2009

Need for hazardous fuels reduction on public lands – final will be sent to SWST Executive Board by June 15, 2009

3) Wrote the Implementation Plan/ Next Steps to the National Research Needs Assessment in Wood Science and Technology Workshop Report.

4) Reviewed two SWST Policy/Position Papers from 2003 (Capacity in R&D) & 2004 (National Research Initiative) and determined with the help of the key authors that the time limit of 5 years had run out and they would be removed from the SWST web page so we could move on to more pressing issues.

5. An approach for contacting key people in government was sent to the SWST President and Executive Director

Howard Rosen, Chair

June 3, 2009

[<Back>](#)

PAST PRESIDENTS' COUNCIL REPORT

Jim Armstrong, Chair

June 2, 2009

The Board of Directors asked the Past Presidents' Council to propose a "shelf life" for distinguished Service Award and Fellow nominations. After speaking to some of the Past Presidents at the International Convention in Concepcion, it seemed that three years is the optimum time. The Past Presidents' Council was polled in April and recommended that the following proposed addition to the DSA and Fellow Guidelines be forwarded to the Board of Directors for approval:

Nominations for the SWST Distinguished Service Award (SWST Fellow) will be considered for three years following their submission to the SWST Office. If the nominee is not selected within the three year period, updated nomination materials must be resubmitted for the candidate to be considered in subsequent years.

The Past Presidents' Council also proposes that the two active nominations for the DSA be grandfathered in for consideration again in 2010, after which the three-year rule (if approved) takes effect.

[<Back>](#)

REPORT ON ACCREDITATION COMMITTEE ACTIVITIES.

Prepared by Rubin Shmulsky, committee chair

6/1/2009

Committee Responsibilities

1. Monitor deadlines for accreditation and notify all current SWST accredited programs of any upcoming reports or visits required in the next year. *Action: This task is up to date*

2. Coordinate and conduct on-site reviews of wood sci. and tech. programs at universities desiring accreditation.

Action: This task is up to date. Universidad Bio-Bio Chile has applied for accreditation. A site visit occurred there in the fall of 2008. The trip report is currently being composed. WVU has applied for reaccreditation. A site visit occurred there in April of 2009.

3. Prepare recommendations for the Executive Board regarding accreditation based on the visiting team's report. *Action: In progress*

4. Review and recommend action on Yearly Reports. *Action: Yearly reports from nine programs: SUNY-ESF, Univ. of ID, Univ. of ME, NC State Univ., PN State Univ., Univ. of MN, VA Tech, MS State Univ., and OR State Univ. have been received. These annual reports do not*

appear to illustrate changes that would move any of the programs below the minimum standards. It is recommended that the reports be accepted and that no further action be taken.

5. Review the published standards and procedures for accreditation and recommend to Executive Board changes in the standards and procedures that would enhance the goals and needs of the profession, and improve the accreditation process. *Action: This activity is ongoing.*

6. Annually report accreditation committee activities to the Society through the Member Newsletter (April 15 deadline) and at the International Convention. Ensure that the table of accreditation status published by the society is accurate and up-to-date. Provide periodic reports for Fall and Spring Board Meetings.

SWST Committee Handbook 2008-2009 12 12/23/08

Special Charge for 2008-2009:

1. Perform and report on Universidad del Bio-Bio Accreditation visit in November 2008. *Action: Self study was received. Report from visiting team has not yet been received. Recommendation: take no action until visiting team submits site visit report.*

2. Initiate 2009 West Virginia Accreditation. *Action: site visit accomplished, further action in progress.*

3. Inform the Executive Board of feedback for October 2008 W&FS Editorial on Accreditation. To date, *no feedback has been received by the committee chair*

4. Seek input from SWST members and identify potential university programs not currently accredited. *Action: Universidad bio-bio is under review, University of Laval is interested in exploring the SWST accreditation process.*

5. Review impact of recent revisions in Accreditations Handbook. *Action: ongoing*

6. Define the “core” competencies around which the SWST Accreditation Program should be based. *Action: No action to report to date.*

[<Back>](#)

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

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: yherian@fs.fed.us
Web site: <http://www.swst.org>

Society of Wood Science and Technology

President:	Jerrold Winandy
Past President:	James P. Armstrong
President Elect:	James Funck

Vice President: Susan Anagnost
Executive Director: Vicki L. Herian
Directors: Nicole Brown (2007)

Eva Haviarova (2007)

Vikram Yadama (2008)

Robert Bush (2008)

Wood and Fiber Science

Editor: Frank Beall
Editorial Assistant: Carol B. Ovens

SWST Newsletter Editor Adam Taylor

[<Back>](#)



2008

LIST OF POTENTIAL SWST
VISITING SCIENTISTS

ACDA, MENANDRO N., University of the Philippines Los Banos, Dept. of Forest Products and Paper Science, College, Laguna, Philippines 4031 (+63 49 536 3432) (FAX +63 49 536 3206)
email: mnacda@yahoo.com

Specialty: Termite biology and control.

Will Discuss Formally and Informally: Above specialty.

ANDERSON, MATTHEW, Wood Advisory Services, Inc. 3700 RT. 44, Suite 102,
Millbrook, NY 12545 (845-677-3091) (FAX 845-677-6547) email: matt@woodadvisory.com

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

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/wdsc_100.htm.); Eco-terrorism--Its causes and impacts.
Will Discuss Informally: Any of the above; Education in WS&F; The enrollment problem in WS&T.

BARNES, H. MICHAEL, Thompson Professor of Wood Science and Technology, 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

Specialty: Wood deterioration and preservation.

Will Discuss Formally and Informally: Wood Treatments, Treatment Mechanics, Wood Deterioration & Preservation and Composite Durability.

BEALL, FRANK C., University of California Berkeley, College of Natural Resources, 1301 South 46th Street, Richmond, CA 94804 (510-665-3536) (FAX 510-665-3427) email: frank.beall@nature.berkeley.edu

Specialty: Nondestructive evaluation of wood and wood-based materials.

Will Discuss Formally: Ultrasonics for NDE; Future of NDE; Use of project value assessment to evaluate the value of a research project; Program at UCFPL.

Will Discuss Informally: All of the above plus most topics in wood physics; Research management; Organization of research papers; The patent process.

BOWYER, JIM L., Director, Responsible Materials Program, Dovetail Partners, Inc., 528 Hennepin Avenue, Suite 202, Minneapolis, MN 55403 and Professor Emeritus, Department of Bioproducts and Biosystems Engineering, University of Minnesota, St. Paul, MN (651-490-7688) (FAX 612-333-0432) email: jimbowyer@comcast.net

Specialty: Responsible consumption, environmental implications of biomaterials and bioenergy production and use.

Will Discuss Formally: Environmental aspects of forestry, timber harvest and wood use; Environmental life cycle assessment; green building programs; U.S. environmental policy; Responsible consumption; The role of wood in the growing bio-energy industry; environmental education of children; The tropical deforestation problem.

Will Discuss Informally: Almost anything.

BUSH, ROBERT, Professor, Dept. of Wood Science and Forest Products, Virginia Tech, Blacksburg, VA 20461-0503 (540-231-8834) (FAX 540-231-8868) email: rbush@vt.edu

Specialty: Forest products marketing and management

Will Discuss Formally: The marketing of forest products in the U.S.; Strategic decision-making in wood-based industries; New forest products marketing research in the U.S. and the United Kingdom.

Will Discuss Informally: The above topics in addition to research to help improve student

recruitment in Wood Science.

BRYANT, BEN S., 4102-51st Ave., NE, Seattle, WA 98105 (206-522-6273) (FAX 206-522-6273)
email: fibrobb@hotmail.com

Specialty: How we can use the 5 elements of wood science (the mechanical, physical, chemical and biological properties of wood and wood structure and anatomy) to solve problems in wood technology and critically analyze new products as well as new building systems.

Will Discuss Formally: in two or more illustrated seminars—for grad students and faculty preferably—with handouts and outlines. These will emphasize the importance of understanding wood anatomy and structure (including the submicroscopic nature of the cell wall).

Will Discuss Informally: Will ask students to try to critically analyze, in light of the above, at least 6 “new products” of my own invention and explain why more of them failed than succeeded to reach commercialization. (I’ll show samples of these and/or photographs and diagrams re how I used an understanding of wood science to develop these products. We will also discuss the reasons for failure and/or success of inventions coming from federal laboratories, academic laboratories and industry research departments (including machinery and resin suppliers), and summarize what general lessons can be learned from these case histories.

CHEN, ZHANGJING, DR., 506 Alleghany Street, Blacksburg, VA 24060 (540-231-4962)
(FAX 540-231-8868) email: chengo@vt.edu

Specialty: Wood drying.

Will Discuss Formally and Informally: Above specialty.

CHOW, POO, 2406 Burlison Drive, Urbana, IL 61801 (217-333-6670) (FAX 217-244-3219)
email: pchow@uiuc.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, Associate Professor, Forestry Department, University of Toronto,
33 Willcocks Street, Toronto, Ontario, CANADA M5S 3B3 email: p.cooper@utoronto.ca

Specialty: Wood deterioration and protection.

Will Discuss Formally: Interaction with chemicals with the wood cell wall; CCA 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, Associate Professor, University of Missouri, 124 A-BNR, Columbia, MO 65211
(573-882-5191) (FAX 573-884-2636) email: cutterb@missouri.edu

Specialty: Tree growth, wood quality.

Will Discuss Formally: Eastern red cedar as a biogeochemical monitor; General tree growth;

Wood quality; Agroforestry.

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

DeBONIS, A. L., President, Wood Advisory Services, Inc., P.O. Box 1322, Millbrook, NY 12545 (914-677-3091) (FAX 914-677-6547) email: ald@woodadvisory.com

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.

DOLAN, J. DANIEL, Dr., Professor, Washington State University, P.O. Box 642910, Pullman, WA 99164-2910 (509-335-7849) (FAX 509-335-7632) email: jddolan@wsu.edu

Specialty: Timber engineering; Structural performance; Wood mechanics; Connections.

Will Discuss Formally and Informally: All specialties.

FLYNN, KEVIN, Flynn & Associates, Wood Science & Technology, P.O. Box 805, El Cerrito, CA 94530 (510-758-4686) (FAX 510-758-4893) email: k_flynn@sbcglobal.net

Specialty: Wood performance; Problem analysis.

Will Discuss Formally: Durability; Degradation; Protection.

Will Discuss Informally: Any related issues.

FUNCK, JAMES W., Manager, Lumber & Wood Science, Weyerhaeuser Company, WTC 2B2, P.O. Box 9777, Federal Way, WA 98063-9777 (253-924-6826) (FAX 253-924-4239) email: 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, 208 AEWB Building, Orono, ME 04469 (207-581-2846) (FAX 207-581-2074) email: douglas.gardner@umit.maine.edu

Specialty: Wood adhesion; Wood composites.

Will Discuss Formally: Wood adhesion; Wood surface chemistry; Wood/plastic composites.

Will Discuss Informally: Anything.

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 .

GOODELL, BARRY, Ph.D., University of Maine, Wood Science and Technology Dept., 5755 Nutting

Hall, Orono, ME 04469-5755 (207-581-2888) email: goodell@umit.maine.edu

Specialty: Biodeterioration; Bioprocessing and bioconversion of wood.; Nanotechnology: Producing carbon nanotubes from wood; Biocomposites and polymer matrix composites: ComPRIS.

Will Discuss Formally: Any of the above topics as well as an overview of Wood Utilization Research (WUR) Center activities at the University of Maine or nationally.

Will Discuss Informally: Any of the above. See <http://woodscience.umaine.edu/goodell/> for more information on my research, or <http://www.woodutilization.org> for information on WUR.

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

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

Will Discuss Formally: Above listed specialties.

Will Discuss Informally: Above listed specialties.

IFJU, GEZA, Department of Wood Science & Forest Products, Virginia Polytechnic and State University, 210 Cheatham Hall, Blacksburg, VA 24060-0323 (540-231-8215)

(FAX 540-231-8868) email: ifju@vt.edu

Specialty: Quantitative wood anatomy; Structure-property relationships.

Will Discuss Formally and Informally: Above specialty.

JAGELS, RICHARD, Professor, Department of Forest Ecosystem Science, University of Maine, 5755 Nutting Hall, Orono, ME 04469 (207-581-2884) (FAX 207-581-2889)

email: Richard.Jagels@maine.edu

Specialty: Wood structure; Wood quality.

Will Discuss Formally: Morphometric analysis applied to wood structure and wood quality studies; Wood analysis of wetsite archaeological finds.

Will Discuss Informally: Environmental influences on wood production and wood quality; Conservation of waterlogged wood; Technology transfer; Health hazards of wood.

JELLISON, JODY, Professor of Biology, University of Maine, 313 Hitchner Hall, Orono, ME 04469 (207-581-2995) (FAX 207-581-2969) email: 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., Endowed Chair-JELD-WEN, Oregon State University, Dept. Wood Science & Engineering, 104 Richardson Hall, Corvallis, OR 97331 (541-737-8422) (FAX 541-737-3385) email: fred.kamke@oregonstate.edu

Specialty: Wood physics and composites.

Will Discuss Formally: Rotary dryers; Heat and mass transfer during flakeboard manufacture; Viscoelastic behavior of wood.

Will Discuss Informally: Heat and mass transfer in wood and wood products

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

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

Will Discuss Formally and Informally: Above specialty.

KLINE, D. EARL, Assistant Professor, Virginia Polytechnic Institute and State University, Department of Wood Science and Forest Products, 210 Cheatham Hall, Blacksburg, VA 24061-0323 (540-231-8841) (FAX 540-231-8868) email: kline@vt.edu

Specialty: Industrial systems engineering of wood products processing and manufacturing; Operations research; Process control and automation.

Will Discuss Formally: Computer simulation and optimization methods; Machine vision applications in wood products processing; Artificial Intelligence applications in wood science.

Will Discuss Informally: Any of the above; Computer spreadsheet development for quality control and process control; Computer programming.

LACHENBRUCH, BARBARA, Associate Professor, Oregon State University, Dept. of Forest Products, 118 Richardson Hall, Corvallis, OR 97331 (541-737-4213) (FAX 541-737-3385) email: barb.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.

LAMB, FRED M., Fred Lamb Consulting, Inc., 325 Tomahawk Drive, Christiansburg, VA 24073 (540-231-7256) (FAX 540-231-8868) email: fml195@vt.edu

Specialty: Wood processing; Furniture manufacturing processes.

Will Discuss Formally: Furniture manufacturing technology; Industrial noise; Wood machining (Theory and Industrial Practices); Technology transfer (Theoretical Models and Current Practices).

Will Discuss Informally: Same as above; Lumber drying and wood deterioration.

LITTLE, ROBERT L., Armstrong Wood Products, 498 Salt Street, Winston-Salem, NC 27101

(336-406-1746) (FAX 336-703-1808) email: r_little@bellsouth.net

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)

email: jloferski@vt.edu

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.

MALONEY, THOMAS M., Retired, Washington State University, Pullman, WA 99164-1806 (509-335-4916) (FAX 509-335-5077) email: tmaloney@pullman.com

Specialty: Composition and composite wood products.

Will Discuss Formally and Informally: Any aspect of particleboard, flakeboard, fiberboard, and composites; The board industry in other parts of the world.

MARRA, ALAN, Professor (retired, University of Massachusetts), 444 Old Montague Road, Amherst, MA 01002 (413-549-6910).

Specialty: Wood gluing; Reconstituted products.

Will Discuss Formally: Wood technology in the forest enterprise; Technology in the glue line.

Will Discuss Informally: R&D in WS&T; Fiddling with education.

McLAIN, THOMAS E., Professor of Timber Engineering and Department Head, Oregon State University, 119 Richardson Hall, Corvallis, OR 97331-5751 (541-737-4257) (FAX 541-737-3385) email: Thomas.McLain.oregonstate.edu

Specialty: Engineering properties of wood and wood-based materials; Design of wood structures; Structural mechanical connections; Role of wood in modern society; Forest products/wood science academic, extension and research program administration.

Will Discuss Formally: Why Wood Engineering? The role of wood in modern society; Integrating extension in research and teaching; 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 (541-737-4222) (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.

O'HALLORAN, MICHAEL R., President, Western Wood Products Association, 522 SW 5th Street, Suite 500, Portland, OR 97204-2122 (503-224-3930) (FAX 503-224-3934)

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.

PARIDAH, MD. TAHIR., Associate Professor Dr., Universiti Putra Malaysia, Institute of Tropical Forestry and Forest Products, Serdang, Selangor, MALAYSIA 43400 (608-89472186) (FAX 608-89472180) email: parida_introb@yahoo.com

Specialty: Bonding of tropical wood and non-wood materials; Kenaf as raw material for composite products.

Will Discuss Formally: On MOU between UPM and host University: 1) establish student exchange program; 2) R&D collaboration..

Will Discuss Informally: Post graduate studies at UPM.

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, Mississippi State University, Forest Products Department, Box 9820, Mississippi State, MS 39762-9820 (662-325-3110) (FAX 662-325-8126)

email: 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.

SMITH, BOB, Associate Professor/Extension Specialist, Virginia Tech, 1650 Ramble Road,

Mailcode 0503, Blacksburg, VA 24061 (540-231-9759) (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, Arch Wood Protection, Inc., 3941 Bonsal Road, Conley, GA 30288 (404-362-3970) (FAX 404-363-8585) email: wrsmith@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

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.

STOKKE, DOUGLAS D., Assistant Professor, Iowa State University, Dept. of Nat. Res. Eco. & Mgt., 339 Science II, Ames, IA 50011-3221 (515-294-2115) (FAX 515-294-2995)
email: dstokke@iastate.edu

Specialty: Wood structure and properties, wood quality, light and electron microscopy.

Will Discuss Formally: Wood micro- and ultrastructure; Applications of microscopy to wood products research; Birdseye maple; Color analyses of wood products; SWST international visitation trip to China.

Will Discuss Informally: Microstructure of wood and polymer composites; Education in wood science and technology.

SUN, DR. RUN-CANG, Beijing Forestry University, College of Material Science and Technology, Beijing, CHINA 100083 email: rcsun3@bjfu.edu.cn

Specialty: Straw/wood fiber chemistry.

Will Discuss Formally and Informally: Utilization of straw fiber as novel materials for industries.

TANG, R. C., Professor, School of Forestry, Auburn University, Auburn, AL 36849-5418

(334-844-1088) (FAX 334-844-4221) email: tangrc@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

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

Will Discuss Formally: Environmental aspects of wood products.

TICHY, ROBERT J., President, TM & I, 27013 Pacific Highway S, #179, Des Moines, WA 98198 (253-529-0900) (FAX 253-529-1326) email: bobtichy@msn.com

Will Discuss Formally: Nonresidential construction; Load and resistance factor design; Structural composites.

Will Discuss Informally: Above topics. Total quality concepts in R&D; Product and market development.

VLOSKY, RICHARD P., Director & Professor of Forest Products Marketing, Louisiana State University, LA Forest Products Development Center, School of Renewable Nat. Res., Baton Rouge, LA 70803-6202 (225-578-4527) (FAX 225-578-4251) email: vlosky@lsu.edu; website: www.rnr.lsu.edu/lfpdc

Specialties: Forest Products Marketing; Forest-sector Business and Economic development; eBusiness; Certification; International Marketing Development. Will Discuss all specialties formally or informally

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

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

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, 9227 Katzenbuechel Road, Mazomanie, WI 53560 (608-231-9316)

(FAX 608-231-9582) email: 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.

WILCOX, W. WAYNE, 4830 Faber Road, Shingle Springs, CA 95682 (530-677-2280)

email: wayne@wwwwilcox.biz

Specialty: Wood biodeterioration; Microscopical diagnosis of decay.

Will Discuss Formally: Nature and biology of wood decay; Wood-inhabiting fungi; Decay in wood structures due to design and construction deficiencies; Hawaii and pest control.

Will Discuss Informally: Teaching wood performance to architecture students.

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.

YOUNGS, ROBERT L., Professor, Department of Wood Science and Forest Products, VPI & SU, Brooks Forest Products Center, Blacksburg, VA 24061-0503 (540-231-7673)

(FAX 540-231-8868) email: ryoungs@vt.edu

Specialty: International forestry; Wood technology.

Will Discuss Formally: IUFRO and forest products research; Forest products and international development; Drying stresses in wood.

Will Discuss Informally: Any of the above; New developments in forest products; World forestry.

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

email: jzerbe@fs.fed.us

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.