

SWST Newsletter

~ February 2009 ~



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Note from the Editor



Please send items for the April 2009 SWST Newsletter to me by the end of March. AdamTaylor@utk.edu

2009 SWST ANNUAL CONVENTION

The 2009 SWST Annual Convention will take place in Boise, Idaho on June 24th, 2009, cooperatively with the [Forest Products Society](#) (FPS). The convention will be held at the [Doubletree Hotel-Riverside](#).

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

Conference Program

Topic: The Role of Wood in our Green Future

7:30 - 9:30 am Student Poster Competition (Juniper Room)
7:30 - 8:00 am Registration and Coffee
8:00 - 8:30 am Opening remarks and introductions – Jim Funck
8:30 - 9:15 am Our carbon footprint - How large is it, and how do we measure it Speaker TBA
9:15 - 10:00 am 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
10:00 - 10:15 am Break
10:15 - 11:00 am 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 am Why efficient manufacturing is the essence of sustainability – Rick Fisch, Director, Innovation and Productivity Center, Northwest Food Processors Association, Portland, OR
11:45 am - 1:30 pm Lunch and Annual Business Meeting (Laurel Room)
1:30 - 2:15 pm Forest certification - what it really means – Catherine Phillips, Vice President, Sustainable Forestry, Weyerhaeuser Company, Federal Way, WA
2:15 - 3:00 pm Harvest or fire, a greenhouse gas quandary – Thomas Bonnicksen, Professor Emeritus, Texas A&M University, College Station and Visiting Scholar, California Forest Foundation, Auburn, CA
3:00 pm Closing remarks – Jim Funck
3:00 - 6:00 pm Poster Session/Cash Bar (Juniper Room)

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TECHNICAL NOTES FOR WOOD AND FIBER SCIENCE

In addition to research papers, authors are invited to submit **Technical Notes** to the Journal. A Technical Note is a concise description of a new research finding, development, procedure, or device. The length should be **no more than two printed pages** in WFS, which would be five pages or less of double-spaced text (TNR12) with normal margins on 8.5 x 11 paper, including space for figures and tables. In order to meet the limitation on space, figures and tables should be minimized, as should be the introductory, and literature review and references. The Journal will attempt to expedite the review and publication process. As with research papers, Technical Notes must be original and go through a similar double-blind, peer-review process. Manuscripts to be considered as Technical Notes **should be submitted directly to the Editor**.

The rationale for Technical Notes

- They provide an early opportunity to report a significant finding, which could take years to complete as a full research study.
- Many researchers do “scoping studies” that never lead into a full project and yet have valuable information for others who might want to pursue follow-up work.
- It can serve as a useful publication on which to base and support a research proposal.
- Some “original research” manuscripts submitted to WFS may not meet reviewers approval because of a limited number of specimens or variables (the most common criticism), and yet could easily be reduced to a Technical Note, provide the author with at least something to show for the work, and give the readers possible ideas to pursue.

Formatting and Style

Follow the directions on the SWST web page for research papers, except:

1. Minimize the number of authors
2. Do not provide Abstracts or Keywords
3. Minimize number of headings (for example, do not use “Introduction”)
4. Provide figures that can be reduced to 1/3 a journal column (and be readable)
5. Keep conclusions/recommendations/references to a minimum

Frank Beall, Editor

frank.beall@nature.berkeley.edu

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FOREST PRODUCTS SOCIETY CONFERENCES AND MEETINGS IN 2009

For information on the following conferences, visit the Forest Products Society at

<http://www.forestprod.org/conf2009.html>.

Complete program and registration information for conferences in 2009 will be posted in PDF format when available. To contact the conferences & meetings department, phone (608) 231-1361, ext. 208, fax (608) 231-2152, or e-mail conferences@forestprod.org.

[Wood Frame Construction Manual Seminar: Design of Wood Frame Buildings for High Wind, Snow, and Seismic Loadings](#)

March 11, 2009, Crowne Plaza Chicago O'Hare, Rosemont, Illinois, USA

[10th International Conference on Wood & Biofiber Plastic Composites](#)

May 11-12, 2009, Monona Terrace Community & Convention Center, Madison, Wisconsin, USA

[Cellulose Nanocomposites Symposium](#)

May 13, 2009, Monona Terrace Community & Convention Center, Madison, Wisconsin, USA

[FPS 63rd International Convention](#)

June 21-23, 2009, Doubletree Hotel Boise-Riverside, Boise, Idaho, USA

[Nanotechnology for the Forest Products Industry](#)

June 23-26, 2009, Edmonton, Canada

[International Conference on Woody Biomass Utilization](#)

August 4-5, 2009, Bost Conference Center, Mississippi State University, Mississippi, USA

[International Conference on Wood Adhesives 2009](#)

September 28-30, 2009, Harveys Resort Hotel & Casino, Lake Tahoe, Nevada, USA

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NATURAL FIBERS: THEIR ROLE IN THE CARBON ECONOMY

March 30, 2009

The role of natural fibers in the carbon economy is rapidly growing, both literally and figuratively. Those in control of the growth, processing, and/or utilization of natural fiber materials will have a distinct advantage in global businesses worldwide. The potential and challenges for the efficient use of natural fibers will be discussed as it relates to the utilization of biomass through biorefinery products and natural fiber composites manufacturing. Further, the Food and Agriculture Organization of the United Nations has designated 2009 as the "International Year of Natural Fibers" to raise awareness of natural fibers, to promote efficiency and sustainability of natural fibers, and to foster an effective international partnership among the various natural fibers industries.

The keynote speaker for the Technical Workshop will be Dr. James Holbery, President, Energy Mobility Inc., and formerly a scientist/principal investigator in the Energy and Environment Directorate at the Pacific Northwest National Laboratory. He is a recognized expert in energy harvesting and lightweight materials. He is actively involved in the development of natural fiber

processing and surface modification techniques, long fiber predictive engineering, and natural fiber reinforced composites.

Other technical workshop speakers will include:

Ioan Negulescu, Professor, Louisiana State University, USA Natural fibers, biocomposites, and sustainability; and Natural fibers for bio-based polymers

Tim Rials, Professor, University of Tennessee, USA Integration of bioenergy interests with existing manufacturing processes— Co-products and biorefineries

Jeff Mills, Senior Project Manager, Evergreen Engineering, USA Guidelines for controlling biomass fuel feedstock variability

John Perez-Garcia, Professor, University of Washington, USA The carbon economy—What it is, what it isn't, and how do we play?

Alcides Leão, Professor, Sao Paulo State University, Brazil Production of panels reinforced with natural fibers in thermoplastics matrix--LCA and social aspects

Jonathan Chen, Professor, The University of Texas at Austin, USA Renewable natural fibers--their classifications, morphology, physical and chemical properties, and new applications

Alexander Bismarck, Reader in Advanced Materials, Imperial College, UK Surface modification of natural fibers using bacteria

James Deng, Scientist, FPInnovations/Forintek, Canada Surface treatment of wheat straw fiber

C.N. Pandey, Director, Indian Plywood Industries Research & Training Institute, India Bamboo based composites--A material of the future

Following the Technical Workshop: 43rd International Wood Composites Symposium March 31-April 1, 2009 Red Lion Hotel on Fifth Avenue, Seattle Washington USA

www.woodsymposium.wsu.edu

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RESEARCH EXPERIENCE FOR UNDERGRADUATES - SUMMER 2009

The University of Maine (UMaine) is excited about our National Science Foundation (NSF) research experience for undergraduates (REU) during summer 2009. Our program focuses on research and development of forest bio-products.

The University of Maine (UMaine) offers a research and educational NSF funded program to a diverse pool of undergraduates interested in research connected to sustainable forest bio-products development. UMaine's Forest Bioproducts Research Initiative (FBRI) is a multidisciplinary research institute that includes faculty from chemical and biological engineering, chemistry,

forestry, molecular biology, resource economics and wood science and technology. Other campus research centers that support the REU program include the Pulp and Paper Process Development Center, the Advanced Engineered Wood Composites Center, and the Cooperative Forestry Research Unit.

Our REU program fosters cutting edge research focused on sustainable forest bio-products. For more information about our program and to find out how to apply, go to the following link: <http://www.forestbioproducts.umaine.edu/reu.php>

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Apply Now for 2009 Summer Research Fellowships!!!

2009 Program Dates: June 8-August 14, 2009

Application Deadline: March 15, 2009 (Note: Applications will be evaluated on their own merit. Positions could be filled before the final deadline.)

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We hope that you will pass along this research opportunity to students in your program that are interested in cutting edge research.

Thank you for your time.

Sincerely,

Darrell W. Donahue, Ph.D., Professor
Department of Chemical & Biological Engineering REU Project Director

and

Daniel Chamberland
REU Project Associate

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BIOENERGY OPPORTUNITIES FOR LOUISIANA

3rd Louisiana Natural Resources Symposium Scheduled 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

universities, USDA Forest Service, 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. This program will qualify for continuing education credit from the Louisiana Logging Council and the Society of American Foresters. For more information, please contact Todd Shupe at tshupe@agcenter.lsu.edu or (225)578-6432.

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10TH INTERNATIONAL CONFERENCE ON WOOD & BIOFIBER PLASTIC COMPOSITES

Program / Registration Information Now Available!

The *10th International Conference on Wood & Biofiber Plastic Composites* will be held on May 11-12, 2009 at the Monona Terrace Convention & Community Center, Madison, Wisconsin, USA. In addition, a *Cellulose Nanocomposites Symposium* will be held on the day after the conference. Program outlines and registration information for both the conference and symposium are now available online. For further information, click on the picture below or visit the Forest Products Society at <http://www.forestprod.org/confcomposites09.html>.

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FOREST PRODUCTS MARKETING "CURRENT ISSUES" WEBSITE

As you may know, in 2004, the UNECE/FAO TEAM OF SPECIALISTS ON FOREST PRODUCTS MARKETS AND MARKETING developed a "Current Issues" Website hosted by the Louisiana Forest Products Development Center/Louisiana State University Agricultural Center. Current categories are:

- Biofuels,
- Supply Chains,
- Global Market Enhancement,
- Responsible Trade, and
- Certification & the Environment.

Content is segmented by type and global region as well. I wanted to notify you that the site has again been updated and 200+ new documents have been added bringing the total to over 650. In 2008, the site received just over 43,000 visits.

Content will continue to be updated annually. I invite you to submit content to the site. You can email the link or document to me and let me know where you want it placed.

The website is: <http://www.rnr.lsu.edu/lfpdc/unece/>

Regards,
Rich Vlosky

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4TH EUROPEAN CONFERENCE ON WOOD MODIFICATION

April 27-29 2009, Stockholm, Sweden

Dear Colleague,

You are invited to send in your abstracts for the 4th European Conference on Wood Modification. Information can be found in the Second Announcement (see link below) and also at the web site www.ecwm4.com on which information continuously will be added. Questions can be addressed to info@ecwm4.com.

We appreciate if you would forward this message to your colleagues and friends concerned within your organisation and elsewhere.

Please click [here](#) to read the updated Second Announcement.

With kind regards

Mats Westin
Chairman of the local organising committee

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SEMINAR ANNOUNCEMENT: DESIGN OF WOOD FRAME BUILDINGS FOR HIGH WIND, SNOW, AND SEISMIC LOADINGS

AWC 207: WFCM 1-Day Seminar

March 11, 2009 Crowne Plaza Chicago O'Hare Rosemont, Illinois, USA

The American Wood Council is the industry leader in development of standards for wood design. Participants in this seminar will be able to comprehend provisions of the 2001 Wood Frame Construction Manual for wind, snow, and seismic applications. Attendees will learn about lateral load behavior and structural response, and also be able to apply building code and issues, connection design philosophies, detailing, and code provisions.

The American Forest & Paper Association / American Wood Council is a registered AIA-CES,

AIBD and IACET (which includes most engineering associations and ICC) continuing education provider. Attendees will earn 7.0 contact teaching hours for this program (1.0 contact teaching hour (CEH) = 0.1 CEU's = 1 PDH units = 1 LU's (HSW)); and for AIA members, the learning units are HSW's.

The \$195 registration fee includes a complete seminar kit with CD of free design information and course notes, and CEU certificate. Both the 2001 WFCM + Commentary and WFCM Workbook are required for this course - bring yours if you have them. Both publications will be available for purchase on the registration form at discounted pricing for pick-up at the seminar site: 2001 WFCM + Commentary (\$22.50 each); WFCM Workbook (\$17.50 each). Please indicate the number of publications you need on your registration form. Special discounts for purchasing other AWC publications are available to those attending the seminar.

For more information and to register for the seminar, please visit <http://www.forestprod.org/confwfc09seminar.html>.

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ANNUAL 2009 IAWS PLENARY MEETING AND CONFERENCE

FORESTS AS A RENEWABLE SOURCE OF VITAL VALUES FOR CHANGING WORLD

SAINT-PETERSBURG STATE FOREST TECHNICAL ACADEMY
MOSCOW STATE FORESTRY UNIVERSITY

With support of Regional Coordinating Council of Wood Science,
Main Botanical Gardens of Russian Academy of Science,
EFI Project Center PROCES

ANNUAL PLENARY MEETING AND CONFERENCE

IAWS-2009 15 - 21 of June 2009

Saint-Petersburg – Moscow, Russia

FORESTS AS A RENEWABLE SOURCE OF VITAL VALUES FOR CHANGING WORLD

Conference themes

Wood structure in nano, micro, meso and macro scales.

Properties of wood as an industrial raw material.

Modern methods, techniques and equipment for processing of wood.

Industrial control of wood and wood products.

Innovative and smart wood products.

Sustainable use of forest resources.

Multiple forest values and their estimation.

Forests in the changing world.

International aspects of forest resources utilization.

Forest resources and global wood products markets and trade.
Wood forming, wood plant physiology and dendrochronology. Biomechanics.

Program Committee

Andrey Selikhovkin - Chairman, rector of Saint-Petersburg State Forest Technical Academy

Xavier Deglise - Co-Chairman, Past President of IAWS

Viktor Sanaev - Co-Chairman, rector of Moscow State Forestry University

Viacheslav Suslov - Co-chairman, rector of Saint-Petersburg State University of Plant Polymers

Alexander Alekseev - Vice-Chairman, vice-rector for Education and International Activity of Saint-Petersburg State Forest Technical Academy

Valentin Shalaev - Vice-Chairman, vice-rector for International Activity of Moscow State Forestry University

Lev Utkin - Vice-rector for Research work of Saint-Petersburg State Forest Technical Academy

Boris Ugolev – President of Regional Council of Wood Science

Mikhail Zarubin - Head of Department of Saint-Petersburg State Forest Technical Academy

Viktor Soloviev - Head of Department of Saint-Petersburg State Forest Technical Academy

Ivan Deyneko - Professor of Saint-Petersburg State Forest Technical Academy

Dmitry Ponomarev - Professor of Saint-Petersburg State Forest Technical Academy

Viacheslav Zaprudnov – Vice-Rector for Scientific and Research Activity of Moscow State Forestry University

Alexander Demidov – Director of Main Botanical Garden of Russian Academy of Science

Conference languages

Official languages of Plenary Meeting and Conference are English and Russian

Demands to proposed presentations

Abstracts shall be sent as an email attachment in WORD format before February, 1, 2009 to the addresses ftaconference@gmail.com and iaws2009@msfu.ru with a note “Abstracts, IAWS 2009” The paper shall not exceed 1 page (A4–size) with font 14, Times New Roman, distance 1, margins 2.5 cm. File names should be given in order of the name of the first author. The number of conference theme should be given in the file name (for example: 1_Evans.doc). The title must be given in block letters. Under the title surnames of authors and name(s) of organization(s) must be given.

Conference venue

In Saint-Petersburg (15 – 17 of June 2009):

Saint-Petersburg State Forest Technical Academy

5, Insitutsky per., [St. Petersburg](#), 194021, [Russia](#)

tel.: +7 812 550 02 53,

fax: +7 812 550 08 15

<http://ftacademy.ru/academy/conference/events/?lang=eng>

In Moscow (18 – 21 of June 2009):

Moscow State Forestry University,

1, 1-st Instituskaya str., Mytitschi-5, 141005, Moscow, Russia

tel.: +7 498 687 37 25

fax: +7 495 586 94 77

<http://www.msfu.ru/info/science/conf/iaws2009/>

<http://www.msfu.ru/eng/iaws2009>

Transport

Participants will be taken from the hotel to the conference venue and back to the hotel by bus.

Registration fee

General registration fee: 520 USD.

Field trip on June 17th: 85 USD, lunch is included.

Registration fee covers coffee breaks and conference dinners on June, 15th and 19th.

Payment must be made in cash in Saint-Petersburg Forest Technical Academy during the registration.

Registration Information

To register for the conference, please complete the registration form at

<http://ftacademy.ru/academy/conference/register/> no later than April, 15th, 2009.

Accommodation

In Saint-Petersburg (15 – 17 of June 2009):

A room in the hotel “[Azimut](#)” will be reserved for you when you note a room preference on your form for room reservation (which has room categories and prices,

<http://www.azimuthotels.ru/content/?itemid=38>). The deadline for hotel reservation through the organizers is April, 15th, 2009.

In Moscow (18 – 21 of June 2009)

A room in the hotel complex “[Izmailovo](#)” will be reserved for you when you note a room preference on your form for room reservation (which has room categories and prices,

<http://www.izmailovo.ru/eng/rooms.php>). The deadline for hotel reservation through the organizers is April, 15th, 2009.

Visas to Russia

All foreign people with the exception of CIS-country citizens need a visa to enter Russia. In order to receive visa, you must fill the visa support request. The travel agency “[Favorit](#)” in Russia will issue a visa support document for obtaining visa on the basis of this form.

Further Information

<p>In Saint-Petersburg: Ms. Olga Shaitarova E-mail: ftaconference@gmail.com Tel. : +7 812 550 02 53 Fax: +7 812 550 08 15</p>	<p>In Moscow: Ms. Alena Kalinina E-mail: iaws2009@msfu.ru Tel: +7 498 687 37 25 Fax: +7 495 586 94 77</p>
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PRELIMINARY PROGRAM

Saint-Petersburg part (2009, June 15 – 17th):

Sunday, June, 14th Arrival of participants.

Option: 19.30 - 22.00 City sightseeing tour.

Monday, June, 15th

10.00 - 18.00 Opening of the meeting, welcoming words. Plenary session.

12.00 - 14.00 Lunch and visit to the botanical gardens of the Academy.

19.00 Conference Dinner at the Saint Petersburg State Forest Technical Academy.

For accompanying persons: 10.00 - 17.00 Boat tour along channels, lunch, St. Isaac's Cathedral & Yusupovsky palace. Possibility to take part in the Conference Dinner.

Tuesday, June, 16th

10.00 - 17.30 Section sessions. Closing the Saint Petersburg's part of Conference & group photo.

12.00 – 14.00 Lunch and visit to the museums of the Academy (museum of hunting and museum of entomology)?

Option: 19.00 – 22.00 Visit to the theater (ballet) or folk show & dinner.

For accompanying persons: 10.00 – 17.00 The Hermitage; lunch; Peter & Paul For-tress.

Wednesday, June, 17th

10.00 - 16.00 Field trip (lunch).

For accompanying persons: 10.00 - 17.30 Petrodvorets (lunch).

Moscow part (2009, June 18 – 21st):

Thursday, June, 18th

7-00 - Arrival to Moscow

9-00 - Accommodation in the Hotel

11-00 - Transfer Hotel - Main Botanical Gardens (MBG)

12-30 - Welcome by Alexander Demidov, director of MBG

12-40 - 4 contributed papers

14-00 - Conference lunch and poster session

15-00 - 6 contributed papers

17-00 - Excursion to MBG

18-00 - Arrival to the Hotel

15-21 of June 2009 Saint-Petersburg – Moscow, Russia Annual 2009 IAWS Plenary Meeting and Conference FORESTS AS A RENEWABLE SOURCE OF VITAL VALUES FOR CHANGING WORLD 15-21 of June 2009 Saint-Petersburg – Moscow, Russia

For accompanying persons: 10.00 – 18.00 City sightseeing tour (lunch).

Friday, June 19th

8-30 - Transfer Hotel - MSFU

9-30 - Welcome by Victor Sanaev - rector of MSFU

10-00 - Academy lecture by professor Boris Ugolev — «Wood as a natural smart material»

11-15 - 7 contributed papers

14-00 - Conference lunch and poster session

15-00 - 3 contributed papers

16-00 - Closing the Conference & group photo.

16-15 - Visit to faculties

17-00 - Conference dinner at Moscow State Forestry University

18-00 - Transfer MSFU – Hotel

For accompanying persons: 10.00 – 18.00 Excursion to Tretyakov Picture gallery (lunch).

Possibility to take part in the Conference Dinner.

Saturday, June 20th, visits

For participants and accompanying persons:

10-00 - Transfer Hotel - Furniture Plant

12-30 - Transfer Furniture Plant – Hotel

13.00 - Lunch

14.00 - For participants – visit to Institute of Solid State Physics RAS

For accompanying persons – 14.00-17.00 visit to Moscow centre and excursion to-Moscow Kremlin

Sunday, June 21th

Participants leaving back

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ASSISTANT PROFESSOR OF WOOD SCIENCE AND TECHNOLOGY EMPHASIZING BIOFUELS AND BIOENERGY

Academic Rank and Salary: The Wood Science and Technology Program in the Division of Forestry and Natural Resources in the Davis College of Agriculture, Forestry and Consumer Sciences 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. However, summer salary may be available to begin earlier in order to establish a research program.

Responsibilities: The incumbent would focus on innovative approaches and developing practical solutions to utilize West Virginia's abundant renewable woody biomass resources and bio-based materials for biofuels and bioenergy. The new faculty will work in the Davis College and work closely with university faculty and staff from different departments and colleges, including plant and soil sciences, biology, microbiology, and chemical engineering. Responsibilities include but are not limited to the following: 1) planning and developing support for research programs focused on bio-conversion methods; "green" chemistry, and other multidisciplinary research and

development opportunities; extraction of specific chemicals from woody biomass resources using economical processes; multi-component composites, and expansion of the use of biomass residues; 2) teaching undergraduate and graduate courses in bioenergy, woody biomass utilization, biofuels and 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 state and federal agencies relative to long-term partnerships in bioenergy development; 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 and Technology, Wood Chemistry, Pulp and Paper Science, Biosystems Engineering, Biochemical Engineering or related disciplines is required. Experience in woody biomass utilization and the conversion of lignocellulosic biomass to biofuels and bioproducts 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 March 30, 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



The Swedish University of Agricultural Sciences
Faculty of Forest Sciences

Professor in Wood Technology

SLU develops the understanding and sustainable use of biological natural resources. This is achieved through research, teaching, environmental monitoring and assessment and information extension.

The Faculty of Forest Sciences is one of four faculties of SLU. The faculty is the principal Swedish actor in research and higher education regarding forests, forestry and the forestry-wood chain. It has the responsibility for environmental monitoring and inventory of the forest; hence the faculty combines functions of a university and a research institute. The main campus is Umeå, but the faculty has departments also in Uppsala, Alnarp and Skinnkatteberg. The faculty has eight experimental forests throughout the country with long-term experiments and studies of stands, vegetation, soil conditions, water and climate. The faculty has 191 faculty members among them 54 professors in 9 departments and units. The position will be located at the Department of Forest Products in Uppsala.

Duties- Prospective candidates are expected to carry out research and education to a high international level in *Wood Technology* or closely related field. Wood properties and quality strongly influence possibilities for the development of new products and production processes, thus candidates should have a documented experience on wood material properties from an industrial perspective and have good knowledge of industrial processes (e.g. along the value chain) and broad contact with industry problems. In-depth knowledge on solid wood, its material properties (e.g. physical/mechanical) and coupling to quality properties of forest raw materials (e.g. produced through different silvicultural regimes) are expected. The position further includes research and development of methods for the protection of wood against decay (e.g. biological, physical) and modification of wood properties leading to the improved value and service life of wood. Research also includes finding new solutions for scientific and industrial technical problems and close collaboration with industry.

The position includes ability to:

- Build up and lead a strong national and international research group
- Actively seek financing from external sources for the advancement and development of their research group;
- Collaborate with Forest Industrial Economy scientists to develop the research area;
- Supervise PhD- and MSc-students (e.g. within the MSc program in Forest Industrial Economy) as well as participate in the education of undergraduate students within Forest Faculty education programs;
- Participate and lead interdisciplinary research projects;
- Initiate and lead national and international collaborative projects;
- Develop good contacts and close collaboration with industry and other research groups

Eligibility: A person shall be eligible for appointment to position as professor if he/she has demonstrated scientific and teaching proficiency. Equal effort shall be devoted to determining the applicants teaching proficiency as well as his/hers scientific proficiency. Prospective applicants should have a PhD or equivalent and have a documented scientific competence in wood technology or closely related field. Candidates should have good experience of the education of students at both post-graduate and undergraduate levels. Evidence of leadership, administrative and collaborative abilities is

SLU is an Equal Opportunity Employer. The university applies individual salary negotiations.

More detailed information concerning this position can be obtained from Head of department Prof. Mats Nylinder, phone: 018 87 2470, e-mail: Mats.Nylinder@sprod.slu.se or Dean, Prof. Jan-Erik Hällgren phone no +46 90 786 8238, e-mail: Jan-Erik.Hallgren@sfak.slu.se

Academic union representatives are for SACO Lars Eriksson, phone+46 18 67 31 37 and for ST Monica Östman, phone +46 18-67 25 38

Appointment Procedures for SLU and a set of procedural directives pertaining to the application process, including the rules of eligibility and grounds for promotion can be found at <http://personal.slu.se/ledans/jobb.htm> or obtained from Maria Bergling, +46 90 786 8240 maria.bergling@adm.slu.se or Erik Sundström, +46 90 786 8288, Erik.Sundstrom@adm.slu.se who will also answer all queries pertaining to formal procedures.

An application, marked with the ref no 106/09 should be submitted to the Registrar of SLU, P.O. Box 7070, SE-750

SLU has 3 000 employees, 4 200 undergraduate and postgraduate students.

www.slu.se

also of great merit. Other factors taken into consideration include the proven ability of candidates to collaborate with industry and other scientists/agencies and interaction with the community through dissemination of scientific knowledge from their research.

Assessment criteria: when appointing a professor is the extent of scientific and pedagogical skills of the candidate relevant to the subject content of the appointment and to the assignment of the appointment. In addition the degree of administrative and other skills of importance to the subject contents for the appointment and the duties included in the appointment shall also be taken into account. In addition, the degree of skills in facilitation and the ability to collaborate with the outside community and convey information on research and development work shall also be taken into account. Of these considerations special attention will be given to the applicant's scientific and pedagogic skills.

The scientific and pedagogical documentation submitted in support of the application shall be indicated in the application, and one copy of each document shall be made available to the Registrar at the time of application. At most 10 scientific publications and 10 pedagogical publications, including popularised versions should be submitted in support of the application. In addition, a complete list of publications shall be supplied; the publications submitted with the application must be indicated. When all three expert reviewers have been appointed, the applicants(s) will be informed to send copies of the documentation listed in the application to each one of the reviewers. At SLU, salaries are determined by way of individual negotiations and rank will be commensurate with prior experience and performance.

It is a full time position, starting at the beginning of 2010.

07 Uppsala, Sweden and copies of scientific works should be sent to SLU, Faculty of Forest Science, 901 83 Umeå, no later than March 23, 2009.

The application should be in English.

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JOB AT THE FOREST PRODUCTS LAB

[Supervisory Research Materials Engineer/Chemical Engineer/Chemist](#)

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DEAN, COLLEGE OF NATURAL RESOURCES AT VIRGINIA TECH

The College of Natural Resources at Virginia Tech consistently ranks among the top three programs of its kind in the nation and is a premier research unit within the university. The college is the only comprehensive education, research, and outreach program in natural resources in the Commonwealth of Virginia. Faculty members stress both the technical and human elements of natural resources and instill in students a sense of stewardship and land-use ethics. The college strategic plan focuses on becoming an innovative international leader in environmental and natural resource science by creating and sharing the knowledge needed for sustainable management of resources for this and future generations.

Virginia Tech seeks an accomplished administrator to lead and engage faculty in the continuing pursuit of academic excellence and whose expertise and energy will support the mission of the College of Natural Resources. The position of Dean of the College of Natural Resources, reporting to the Senior Vice President and Provost, will provide a great opportunity to champion signature undergraduate and graduate academic programs, advocate for future research initiatives, and engage regionally, nationally and internationally in partnerships that foster natural resource conservation and development.

About the College of Natural Resources

The College of Natural Resources is a vital component of the land-grant tradition of Virginia Tech with learning, discovery, and engagement programs on- and off-campus. The college is a national leader in Natural Resources Cooperative Extension programming. The college employs approximately 127 faculty and 60 staff. It enrolls approximately 500 undergraduate and 200 graduate students in academic programs in four departments: Fisheries and Wildlife Sciences, Forestry, Geography, and Wood Science and Forest Products. The website for the College of Natural Resources is: www.cnr.vt.edu

Position Responsibilities:

- Advance the vision for the college in support of the university's strategic plan.
- Provide entrepreneurial leadership for the growth and development of learning, discovery, and engagement.
- Develop and maintain productive relationships with internal groups, including other colleges and emerging university consortia.
- Develop and maintain productive relationships with all external constituencies of the college.
- Foster a climate, organizational structure, and managerial leadership team that embraces inclusive excellence and encourages all members of the college community to contribute to its collective goals.

Required Qualifications:

- Earned doctoral degree and a distinguished record that would qualify for the rank of full professor.
- Demonstrated leadership, communication and interpersonal skills.
- Proven ability to work effectively with many constituencies.
- Experience in leading or managing a major research program.
- Successful experience with planning, personnel and fiscal management.

Desired Qualifications:

- Commitment to the tripartite mission for a land-grant university: learning, discovery, and engagement.
- Vision and ability to advance the research agenda of the college and university, including interdisciplinary and cross-college initiatives.
- Accomplishment in recruitment and retention of women and minority faculty, staff, and underrepresented students.
- Successful experience, or demonstrated potential, in fund-raising, development activities, and collaboration with industry.

Nominations for the position are welcome, please address these to:

Office of the Senior Vice President and Provost

Virginia Tech

330 Burruss Hall (0132)

Blacksburg, VA 24061

(540) 231-6123

<mailto:mmcnamee@vt.edu> (subject Line: CNR Dean Search)

Applications:

Applicants must apply on-line at www.jobs.vt.edu, posting number 081183. Please complete a very brief faculty application and attach a vita, letter of interest, vision statement for leading the college, and names of at least three professional references. For full consideration, all application materials should be received by March 1, 2009.

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**PHD STUDENT -
THE SWISS FEDERAL INSTITUTE OF TECHNOLOGY ZURICH,
INSTITUTE FOR BUILDING MATERIALS, WOOD PHYSICS GROUP**

The Swiss Federal Institute of Technology Zurich, Institute for Building Materials, Wood Physics Group, is looking to appoint a PhD student.

Subject: Investigation of physical properties of naturally aged wood

The physical properties to be investigated are in particular sorptive behaviour, swelling, mechanical properties and crack formation. Among others, non-destructive testing methods such as neutron radiography / - tomography will be used, for example for the characterization of

moisture absorption profiles. The work will be carried out in collaboration with the Musées d'art et histoire in Geneva and the Paul-Scherrer-Institute in Villigen, Switzerland.

Requirements:

- University degree (Masters level) in a relevant subject such as wood science, wood technology or forestry.
- Good or very good marks.
- Interest in scientific research
- Reliability
- Ability to work in a team.

The position is available for an immediate start.

Project duration: 3 years.

Remuneration in line with rates for PhD students funded by the Swiss National Funds.

For further information please contact Prof. Dr. P. Niemz (niemzp@ethz.ch) oder Dr. D. Keunecke (danielk@ethz.ch).

www.ifb.ethz.ch/wood

Best regards,
Kilian Anheuser

Conservateur
Laboratoire et conservation préventive Musées d'art et d'histoire Rue
Charles-Galland 2 Case postale 3432
1211 Genève 3
Suisse
Tél. +41-22-418-2520, Fax -2601
kilian.anheuser@ville-ge.ch

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SWST POSITION STATEMENT ON BIOMASS SUMMARY

The Society of Wood Science and Technology (SWST) announces the release of a position paper supporting the increased utilization of woody biomass for energy production.

SWST encourages the following actions:

- Support an increase in government and private funding of woody biomass research
- Encourage collaborative research and education projects that focuses on woody biomass based products
- Encourage identification of sustainable biomass supplies from public and private forests
- Encourage innovative research on the use of woody biomass as a feedstock for value-added products

- Educate the public, private enterprise, and the policy makers on the value of managing a sustainable woody biomass resource for products beneficial to societies needs

Members of SWST have unique expertise in the utilization and processing of woody biomass. SWST and its members can help to support the development of woody biomass-based energy systems and to develop advocacy positions to this end by building a science-based argument in support of woody biomass for bioenergy.

For more detailed information about this Position Statement, visit

http://www.swst.org/PDF%20Files/Bioenergy%20White%20Paper%20Final%20-%20SWST_9-21-2008.pdf

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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).

The abstract should be preceded by the citation in this format:

Beall FC 1968 Thermal degradation of wood and wood components. PhD dissertation. SUNY College of Forestry, Syracuse, NY (advisers: C Skaar and JA Meyer). 240 pp. [If the thesis or dissertation is available electronically, please add the URL]

The abstract should be the student's unless there is some compelling reason that it needs to be edited by the submitter; if so, the name of the "editor" should be added at the end.

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WOOD AND FIBER SCIENCE EDITOR'S REPORT, JANUARY 2009

●41/1(January) has issued with an editorial, 10 research papers, the awards announced at the Concepcion meeting, and a listing of thesis and dissertation titles. As of this date, we have 5 papers in the review process, 6 being revised, and 8 moving ahead to galley. We are averaging about 2 rejections per issue. The publication record over the past year is at the bottom of this report.

- For 40/4, we posted (on our web page) a list of papers that were scheduled to appear in that issue. Starting with 41/1, after approval of the galley, the titles of papers (preprints) were posted with links to the PDF. The protection is set so that these can be viewed but not copied. Of the 10 papers for 41/1, 9 were posted in December and 1 in January, which becomes the official date of publication. For the 41/2 issue, we should have an even better time to preprint.
- Time to publication. We have cut our time to publication in half over the past year. When I started as editor, I had hoped we could get it down to 6 months; we are at 7 months for 41/1, but our time to “preprint” publication was 6 months. We are now on track to be somewhat better for 41/2 and then I think we’ve reached our limit.
- Titles of theses/dissertations have appeared for the second time in 41/1, and predictably, the number have decreased considerably from the previous issue. They are also on the web page with links. We’ll have to decide in which issues to publish these, since we’ll probably get the bulk of them for the July or October issues.
- No new books reviews have been recommended.
- Very helpful feedback has been received from the Board on Technical Notes and I’m waiting for the final decision.
- CORRIM special issue. According to Bruce Lippke, the coordinator, most authors have gotten their manuscripts into acceptable format and we should start getting the papers by mid-February.
- Repeated below are the Impact Factors for the past two years; they’re published about mid-year for the previous year, so we won’t have the 2008 numbers until early- to mid-2009.

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

• Publication Report

As reported previously, below is information that has been traditionally reported for single issues, but (will be) shown over about a one-year period to give you a better view of changes.

Issue	40/1 (Jan)	40/2 (Apr)	40/3 (Jul)	40/4 (Oct)	41/1 (Jan)
Articles	14	16	16	18	10
Pages	132	163	168	200	100
Ave time pub (mo)	13	14	11	9	6(7)*
Med time pub (mo)	9.5	12	8	7	6(7)*

*Starting with 41/1, time to publication has two categories (average times to preprint posting and hard copy issue).

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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

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

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Wood and Fiber Science

Editor:	Frank Beall
Editorial Assistant:	Carol B. Ovens

<i>SWST Newsletter Editor</i>	Adam Taylor
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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 specialities.

Will Discuss Informally: Above listed specialities.

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 wet-site 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@wwwilcox.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.