

SWST Newsletter

SOCIETY OF WOOD SCIENCE AND TECHNOLOGY

~ October 2006 ~

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Please send your comments, and content for future editions of the Newsletter, to me at AdamTaylor@utk.edu. The next edition will come out in early December.

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CRAMER ELECTED CHAIRMAN OF ASTM WOOD COMMITTEE

Steven Cramer, PhD, P.E., associate dean of academic affairs and professor of civil engineering at the University of Wisconsin has been elected chairman of ASTM International Committee D07 on Wood. The committee includes approximately 275 members who are responsible for 116 standards related to timber, wood and wood products.

In addition to his work as associate dean and as a professor, Cramer has served as the director of the Wisconsin Structures and Materials Testing Laboratory. His research interests and experience encompass structural materials testing and behavior, lumber strength and grading, metal-plate connected wood trusses analysis and design, wood assembly structural performance, performance fo structures subject to fire and concrete materials performance and durability. Cramer, who holds three patents, has a B.S. in civil and environmental engineering (structures) for the University of Wisconsin-Madison, and his M.S. and Ph.D. in civil engineering (structures – solid mechanics) from Colorado State university in Fort Collins.

ASTM International Committee D07 on Wood is on of 139 technical standards writing committees. Established in 1898, ASTM International is on the of he largest standards development and delivery systems in the world. ASTM standards are accepted and used in research and development, product testing, quality systems, and commercial transactions around the globe.

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SWST VISITING SCIENTIST PROGRAM

The SWST Visiting Scientist Program committee reminds you that International travel grant proposals for year 2007 are due to Vicki Herian at SWST office by January 15, 2007. The guidelines for applying the international grants can be found at: <http://www.swst.org/vspguide.html>. One important venue in 2007 might be the IUFRO meeting in Taipei in October 2007 with side trips to other institutions in Asia.

Also, you are invited to submit the proposals for North American visits to any Canadian or US forest products institute, university, or corporation. Application details can be found on the SWST website: <http://www.swst.org/vsp.html>

A list of the [potential visiting scientists](#) can be found at the end of this newsletter.

Thanks !

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Associate Professor
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Mississippi State, MS 39762-9820
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Phone: 662-325-9413
Fax: 662-325-8126
Email: jzhang@cfr.msstate.edu

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IUFRO WORKSHOP ON NONDESTRUCTIVE TESTING OF WOOD PRODUCTS

December 11 to 13, 2006
Universidad del Bio Bio
Concepción, CHILE

For more information: www.ubb.cl/ndtesting/ or www.ubiobio.cl/indexdiv.php

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WASHINGTON ROUNDTABLE ON PUBLIC POLICY

I am pleased to announce that the Roundtable will meet with Robert Donkers, Counselor for the Environment, Delegation of the European Commission to the U.S. on October 19 at noon. The session will take place at the delegation's offices at 2300 M Street, NW.

The session will be an excellent opportunity to explore opportunities for members of the scientific and professional community and other NGOs to collaborate with the E.U. on issues of mutual interest and to discuss the E.U.'s efforts regarding climate change, and contaminants. More information on the Transport, Environment, and Energy Section appears below.

Please let me know if you are attending by October 12 so I can inform our host of expected participants.

Ryan M. Colker
Director of Programs
Renewable Natural Resources Foundation

The Transport, Environment, Energy (TEE) Section in the Washington
Delegation of the European Commission

The transportation and energy sectors are pivotal to the European way of life and to the functioning of the European economy. The EU seeks to ensure that transportation and energy

policies are designed for the benefit of all sectors of society, including businesses, cities, rural areas and above all the citizenry. As such, policies must be responsible and sustainable in economic, environmental, safety and social terms. The Directorate-General for Transport and Energy of the European Commission works to realize this vision through legislative initiatives and implementation and management of sectoral projects.

With respect to the environment, the EU strives to:

- Promote sustainable development, preserving the rights of future generations to a viable environment;

- Work toward a high level of environmental and health protection, improving quality of life for all citizens;

- Promote environmental efficiency;

- Encourage the equitable use and sound and effective management of common environmental resources.

EU/US Relations in Transport, Energy and Environment

In the field of environmental issues, climate change and new EU chemical safety legislation are at the forefront of EU/US relations. On climate change, the EU seeks to reengage with the US on a climate change regime after 2012 ("post-Kyoto Protocol"). On chemicals, the EU's top priority is to promote understanding of the Commission's REACH (Registration, Evaluation and Authorization of CHemicals) proposal. to enhance chemical safety in the EU.

The TEE Section in the Washington Delegation monitors and analyzes US political, economic and regulatory developments in the areas of transportation, energy and environment. The TEE Section engages US Administration officials, congressional staff, industry and other stakeholders to promote understanding of and support for EU policies and positions. The section monitors and helps manage the EU/US High Level Dialogue on Energy, launched in 2001.

Subscribe to Renewable Resources Journal

RRJ is an interdisciplinary quarterly journal devoted to public policy and conservation of natural resources. The journal features topics spanning the natural resources disciplines, news from natural resource societies, international news, and a meeting calendar. Join members of congress, federal and state agency leaders, and your natural resource colleagues in receiving this unique publication.

For more information on RRJ please visit <http://www.nmrf.org> and select "Publications."

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INTERNATIONAL CONFERENCE
“WOOD SCIENCE AND ENGINEERING IN THE THIRD MILLENNIUM”
– ICWSE 2007

Dear Colleagues,

We are happy to announce hereby the 6th edition of the International Conference “Wood Science and Engineering in the Third Millennium” – ICWSE 2007, which will take place between 20 – 22 of June 2007, in Brasov, Romania.

The event will be hosted by the “Transilvania” University of Brasov, Faculty of Wood Industry and it will follow the the Cost Action E37 Workshop “Sustainability through new technologies for enhanced wood durability”.

For more detailed informations regarding ICWSE 2007, please access our web site: <http://www.unitbv.ro/il/icwse2007/> , where you can find the most important deadlines and also the pre-registration form.

We look forward to your contributions and until then, do not hesitate to contact us.

Sincerely,

Prof. Mihai ISPAS

/ Universitatea TRANSILVANIA Brasov /

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2007 INTERNATIONAL WOOD COMPOSITES SYMPOSIUM

The 41st International Wood Composites Symposium and Technical Workshop will be held March 26-28, 2007 at the Red Lion Hotel on Fifth Avenue in Seattle, Washington.

The Symposium, organized by WSU’s Wood Materials and Engineering Laboratory (WMEL), is an industry-driven forum for producers, suppliers, and researchers to discuss the latest market developments and advances in wood composites technology. This year’s Keynote Speaker is Murray Sturgeon, Managing Director of Nelson Pine Industries Ltd., New Zealand, who will discuss creating value from our forest resources during the opening session on Tuesday morning, March 27. Mr. Sturgeon’s career includes more than 40 years in plywood, particleboard, and MDF manufacturing. Nelson Pine Industries was established in 1984; today, it is one of the largest single site producers of medium density fiberboard in the world.

The agenda for the two-day Symposium will feature panel market dynamics as well as new products and process innovations. In addition, there will be a Technical Forum poster session,

welcome reception and a dinner cruise on the Seattle waterfront. A one-day Technical Workshop on “Process Enhancement Tools for Panel Producers” will take place on Monday, March 26, before the Symposium.

Please visit the Symposium web site at www.woodsymposium.wsu.edu for program information, to register online, or to submit abstracts for the Technical Forum poster session.

For more information, please contact Vikram Yadama, vyadama@wsu.edu or 509-335-2262 or 335-6261

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10TH INTERNATIONAL IUFRO DIVISION-5 WOOD DRYING CONFERENCE

“Understanding and modeling the theoretical and practical aspects of drying solid wood and wood based materials”

August 26-30, 2007
Orono, Maine, USA

Dear All,

We invite you to submit an abstract for the 10th International IUFRO Division-5 Wood Drying Conference to be held at the University of Maine, Orono, Maine, USA from August 26-30, 2007. Accepted abstracts will be the basis for papers published in the conference proceedings and will also be presented at the conference. Those submitting abstracts are expected to attend the conference and to prepare a 20 minute presentation, a poster or both.

This conference will be the tenth in a series sponsored by the IUFRO Division-5 Wood Drying working party and will be the first held in the United States since 1989. Those attending are among the world’s leading specialists in the technical aspects of drying solid wood and wood products. Topics include the practical aspects of drying, theoretical modeling of the drying process, energy use, environmental aspects of drying, and novel methods for drying. Experimental methods that can be used to understand and solve problems related to drying solid wood and wood-based composites are also suitable topics. As an initial step indicating your topic and willingness to attend, an e-mail indicating the title and subject area should be sent as soon as possible to Robert_rice@umit.maine.edu with a copy to Mike.milota@oregonstate.edu.

Important conference dates

Latest abstract submission: April 1, 2007

Conference registration: June 1, 2007
Submission of paper for proceedings: July 1, 2007
Lodging reservation: July 1, 2007
Conference start: August 26, 2007

Preparation of Abstracts

All abstracts must be formatted as described below and must not exceed one page when printed. The official language for the Conference is English. No translation facilities will be provided.

The abstract should be prepared with a standard word processor (Word 97 or later or Word Perfect 9 or later) and saved as either text (.doc, for example) or ASCII. The abstract will include the title, the names of the author(s) and the author's affiliation, the body of text and three or four key words. The lead author's contact information should be included at the end of the abstract.

The page should have 2.5 cm margins on all four sides. The body of the text should be single-spaced and use Times New Roman typeface with a 12-point pitch. The text is left justified only, and has no tabs. Do not include tables, figures, pictures or references in the abstract. The body of the Abstract should be between 1400 to 2100 characters, including the spaces between the words.

The abstract should be submitted to Robert.Rice@umit.maine.edu with a copy to Mike.milota@oregonstate.edu. Please include the words "IUFRO Abstract" in the subject line of the e-mail.

If e-mail submission is not possible, please mail your abstract on diskette or CD to:

R. W. Rice
119 Nutting Hall
University of Maine
Orono, ME 04469

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2005 WOOD DESIGN PACKAGE

The *2005 Wood Design Package* is now available. Most importantly, along with a number of other design guides contained in the *Package*, it specifically includes the building code referenced *National Design Specification® (NDS®) for Wood Construction* (2005 Edition) and both the *NDS Commentary* and *NDS Supplement: Design Values for Wood Construction*. Called the "2005" *Wood Design Package* because of the adoption date of the included standards, the *Package* brings together all required elements for design of wood structures in one comprehensive set. Design information and examples for wind and seismic conditions, sawn lumber, structural glued laminated timber, structural-use panels, shear walls and diaphragms, poles and piles, I-joists, structural composite lumber, structural connections (nails, bolts, screws), metal plate connected wood trusses, and pre-engineered metal connectors are all provided. Over

1,000 pages are included in the 4-volume set.

The Wood Design Package includes:

National Design Specification (NDS) for Wood Construction with NDS Commentary; and NDS Supplement – Design Values for Wood Construction

Special Design Provisions for Wind and Seismic (Wind & Seismic), 2005 Edition, with Commentary

ASD/LRFD Manual for Engineered Wood Construction, 2005 Edition

Structural Wood Design Solved Example Problems, 2005 Edition

The 2005 NDS and the 2005 Wind & Seismic standards are both referenced for use in the 2006 International Building Code®, 2006 International Residential Code®, and 2006 NFPA 5000®: Building Construction and Safety Code®. “Several state and local jurisdictions are already adopting the 2006 model codes,” stated Kenneth Bland, AF&PA’s Senior Director of Building Codes and Standards. “Regardless, the codes have provisions which allow for the use of newer standards even if they are not referenced in the older edition of the building code, especially those developed through a consensus process like the NDS,” he added.

Electronic versions of the NDS Commentary, Wind & Seismic, and ASD/LRFD Manual are also available for download from the AWC website. The remaining documents in the set are being incorporated onto the AWC Standards and Design Tools CD Rom and will be available for purchase in electronic format later this year.

The price for the entire package is \$80, plus shipping. Note that AWC Design Professional Members and students receive a 50% discount. Volume discounts are also available. To order, visit the AWC website at <http://www.awc.org/index.html> or call 1-800-890-7732.

Also available, and related to the 2005 Wood Design Package, is a web-based eCourse titled, STD104 - ASD and LRFD with the 2005 National Design Specification for Wood Construction. This eCourse, and several technical articles which have appeared in various trade journals outlining the new provisions of the NDS, are all available on the AWC website at www.awc.org. For more information, contact Buddy Showalter at buddy_showalter@afandpa.org

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The American Wood Council (AWC) is part of the wood products group of the American Forest & Paper Association (AF&PA). AF&PA is the national trade association of the forest, paper, and wood products industry, representing member companies engaged in growing, harvesting, and processing wood and wood fiber, manufacturing pulp, paper, and paperboard products from both virgin and recycled fiber, and producing engineered and traditional wood products. For more information see www.afandpa.org.

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REPORT ON WOOD PROPERTIES IN PLANTED FORESTS

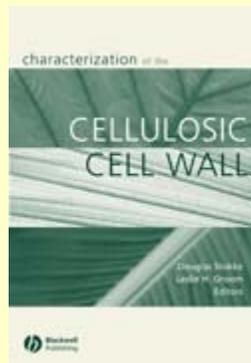
Last winter (mid-January through early April) I spent part of my sabbatical from the University of Maine at FAO-UN (Food and Agriculture Organization of the United Nations), in Rome, Italy, working on a project developing wood quality criteria for planted forests. FAO has now

determined that approximately half of all commercial roundwood in the world comes from planted forests, and this segment is growing rapidly. During my three month stay at FAO I developed a working paper on wood properties in planted forests, and possible strategies for different markets. That paper is now online and can be accessed by going to: <http://www.fao.org/forestry>. Under forest management click on planted forests; then under FAO publications, working papers, click on planted forests series. My paper downloads as working paper FP/36E (at the end of the list).

Richard Jagels
Professor
School of Forest Resources
University of Maine

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NEW BOOK: CHARACTERIZATION OF THE CELLULOSIC CELL WALL



Edited by Douglas D. Stokke, Leslie H. Groom

Plant biomass resources are seen as a vast reservoir of potential to be unlocked as sustainable fiber, fuel and chemical feedstock for the 21st century. Vital to the achievement of this promise are fundamental investigations on the nature and industrial application of lignocellulosic materials.

This volume brings together a broad array of scientific expertise to focus on the characterization and utilization of cellulosic materials. Researchers from Austria, Germany, Sweden, Japan, New Zealand, Australia and the US explore many facets of the plant cell wall, from its fundamental structure and its manipulation via molecular biology to its application in composite materials. Exciting applications of near infrared spectroscopy, x-ray diffraction, confocal microscopy and molecular coupling as a viscoelastic probe provide new insights into the ultrastructure and properties of cellulosic materials.

In total this volume represents a unique contribution to both our understanding and our vision for the sustainable use of biobased materials.

Publication Date: 2006
Size: 296 pages; 7 x 10
Binding: Hardback
Publisher: Blackwell Publishing

Cost to SWST Members - \$100

Order from: SWST, One Gifford Pinchot Drive, Madison, WI 53726

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EDITOR, *FOREST PRODUCTS JOURNAL*

The Forest Products Society is seeking applicants for the position of Editor of the *Forest Products Journal* at the Society's International Headquarters, located in Madison, Wisconsin. The person chosen for this position will be responsible for editing technical and feature articles for this peer-reviewed technical publication. This person will manage all production aspects of the *Journal*.

Qualified candidates must possess outstanding editorial skills. Additional requirements include: excellent written and verbal communication and interpersonal skills, strong organizational and computer skills, initiative and attention to detail, a positive attitude and desire to be a team player. A broad-based knowledge of the forest products industry with significant experience and/or degree in Wood Science and Technology are preferred.

Interested applicants should send resumes via email to carol@forestprod.org. Please include contact information for at least three professional references. A detailed job description is available upon request via email to carol@forestprod.org or by phone – 608-231-1361, ext. 215. The position is available immediately, offers a complete benefits package, and competitive salary based upon experience. All applications will be held in strictest confidence. The Forest Products Society is an equal opportunity employer.

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PROFESSOR IN SILVICULTURE DÉPARTEMENT DES SCIENCES DU BOIS ET DE LA FORÊT FACULTÉ DE FORESTERIE ET DE GÉOMATIQUE UNIVERSITÉ LAVAL

General description

As part of the setting up of the Industrial Research Chair NSERC-Université Laval in Silviculture and Wildlife, the Department of Wood and Forest Sciences at Laval University is looking for a candidate whose main interests are in the following areas:

- Silvicultural treatments for the production of high quality trees, more specifically in uneven-aged stands, hardwood or mixedwood stands of tolerant and semi-tolerant species;
- Tree growth modeling with respect to their quality and social status;
- Modeling the impact of silviculture on tree quality and wood properties.

Responsibilities include:

1. Teaching undergraduate and graduate courses in silviculture;
2. Conducting research and supervising graduate students working on silvicultural treatments oriented toward the production of high quality trees;
3. Participating in continuing education activities;
4. Participating in departmental, university and multi-sectorial (private or public sector) committees;
5. Participating in the research activities of the Industrial Research Chair NSERC-Université Laval in Silviculture and Wildlife.

Selection criteria

The candidate should:

1. Have an undergraduate degree in forestry or in a related field, and a Ph.D. from a recognized university;
2. Demonstrate good teaching and research capabilities;
3. Have specific knowledge in one or some of the following areas: silviculture for the production of high quality trees, silviculture in uneven-aged stands, hardwood or mixedwood stands of tolerant and semi-tolerant species, growth modeling in uneven aged stands, modeling the impact of silviculture on tree quality and wood properties;
4. Show capacity and willingness to integrate into multidisciplinary research groups;
5. Be able to contribute to the research activities of the Industrial Research Chair NSERC Université Laval in Silviculture and Wildlife.
6. Be able to obtain competitive research funds from governmental grant agencies as well as private organizations;
7. Be eligible for membership in the Quebec Corporation of Forest Engineers or undertake to become eligible within two years;
8. Be able to communicate in French or be willing to learn the language within two years.

Salary: According to collective agreement.

Expected starting date: September 2005.

In compliance with its Employment Equity program, Université Laval intends to hire women in half of its vacant positions.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.

Applicants should send a resumé indicating their domain of expertise, copies of recent major publications, a brief description of the proposed research program, three letters of recommendation and academic transcripts no later than May 13, 2005 to:

Michel Dessureault, directeur
Département des sciences du bois et de la forêt
Faculté de foresterie et de géomatique
Université Laval

Tél.: (418) 656-7128
Fax : (418) 656-5262

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GRADUATE RESEARCH ASSISTANTSHIP AVAILABLE

A graduate research assistantship is available for an M.S. candidate at the Tennessee Forest Products Center at the University of Tennessee, Tennessee, USA.

The successful applicant will help develop an improved method for detecting new preservative chemicals in wood. The project involves collaboration among the University of Tennessee, Oregon State University and the wood protection industry.

Interested students with a background in chemistry, chemical engineering, materials science or wood science are encouraged to apply. The 24-month graduate research assistantship begins as soon as possible and includes a tuition waiver and a stipend.

The Forest Products Center (<http://web.utk.edu/~tfpc/>) houses a strong and growing research program focused on improving the properties and production of bio-based materials. The University of Tennessee is based in Knoxville, a mid-sized city with a mild climate that is close to the Great Smoky Mountains National Park.

For details contact:

Adam Taylor
Assistant Professor
Tennessee Forest Products Center
The University of Tennessee
2506 Jacob Drive
Knoxville, TN 37996-4570
Phone: 865-946-1125
FAX: 865-946-1109
Email: AdamTaylor@utk.edu
Web: <http://web.utk.edu/~mtaylo29/default.html>

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YIELD/ OPTIMIZATION ENGINEER BATESVILLE CASKET COMPANY

Batesville Casket Company is a subsidiary of the publicly traded Hillenbrand Industries, a \$2 billion Indiana based corporation. We are currently looking for a **Yield/ Optimization**

Engineer at our Vicksburg, Mississippi location. We are recognized as a leader in our industry with a long history of success in the market place.

As a part of this historically successful and innovative corporation, you will receive excellent compensation and benefits, including competitive salary and incentive package, 401K, Medical, Dental, and Life Insurance. To apply and to learn more about this industry leading company, please visit www.batesvillecareers.com/.

JOB DESCRIPTION:

As a Yield/Optimization Engineer you will be responsible for planning and conducting activities concerned with yield, optimization, and other manufacturing processes in a wood component manufacturing facility. This would include any other industrial processes within the facility to impacting materials, and products by performing the following duties.

Additional responsibilities include but are not limited to:

- Plans and conducts the analyses, inspection, design, test, and/or integration to ensure the lumber yield attainment of assigned products or components.
- Performs engineering reviews of design, documentation for compliance with stated requirements, this includes supplier quality records and company yield performance records.
- Applies statistical process control (SPC) methods for analyzing data to evaluate the current process and process changes.
- Documents data obtained during all yield studies and activities, consistent with company policies and procedures.
- Directs and develops new approaches to solve problems identified during yield and lumber optimization activities.
- Communicates significant issues or developments identified during yield and optimization activities and provides recommended process improvements to management.
- Prepares reports to communicate involvement and results of any activities performed.
- Prepares and presents technical and program information to team members and management.
- Directs technical and administrative workers engaged in yield and optimization activities.
- Must demonstrate a commitment to continuous improvement and safety.

JOB QUALIFICATIONS:

- Bachelor's degree (B. S.) in Engineering from four-year college or university; and five plus years' related experience and/or training; or equivalent combination of education and experience.
- Experience with successfully applying cost justification/avoidance, safety, ergonomic, design or material issues to significantly improve an operation or product.
- Advanced knowledge of lumber or wood manufacturing processes, lumber yield, and optimization equipment preferred.
- Experience with WoodEye or other related computer software preferred.

To apply, please visit www.batesvillecareers.com, or e-mail your resume to: TSTREG299158@net-apply.com.

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WOOD PLASTIC COMPOSITES SPECIALIST

The AEWCCenter (www.aewc.umaine.edu) is seeking a Wood Plastic Composites Specialist. The successful candidate will work in the AEWCCenter 48,000 ft² laboratory with a world-leading team of over 100 faculty, staff and students who conduct contract research with a variety of public and private entities developing the next generation of low-cost, high-performance composite materials.

PURPOSE: Coordinate, manage, and promote wood-plastic composite (WPC) processing research to serve the needs of industrial clients and AEWCCenter researchers. Provide technical support for the transfer and development of WPC technologies for industrial applications.

ESSENTIAL DUTIES/RESPONSIBILITIES: Attract industrial and Federal contract and grant work by actively contacting potential clients, and drafting written proposals to meet their needs; engage clientele in commercialization of AEWCCenter developed WPC technologies; involve AEWCCenter personnel/faculty as necessary in proposal writing process related to wood plastic composites, to obtain funding in support of AEWCCenter research activities; supervise the operation and maintenance of sophisticated scientific testing equipment at the AEWCCenter to conduct research, analyze data, and report research findings related to wood plastic composites; instructs others in the use of equipment; conduct industrial and scientific research into wood-plastic composite materials, while working in an integrated fashion with faculty and staff personnel at the AEWCCenter; supervise Research Associate and several Undergraduate Research Associates to ensure validity and accuracy of wood plastic composite manufacturing and testing; research and recommend purchase for equipment, materials and supplies for use in all wood plastic composites research projects; represent AEWCCenter at national technical meetings and trade shows; provide safety and environmental health oversight for supervised employees and students; perform other reasonably related duties as assigned.

KNOWLEDGE AND SKILL QUALIFICATIONS: B.S. in Wood, Polymer, Materials Science or related Engineering discipline required, M.S. or Ph.D. desirable; polymer processing/industrial process/composite materials experience required; hands-on experience with industrial scale extrusion and injection molding required; experience with WPC composites manufacturing and testing required; industrial experience in Wood-Plastic Composites (WPC) processing of large complex sections highly desirable; WPC die design experience highly desirable; demonstrated excellent organizational, written and oral communication skills; demonstrated judgment while working under pressure to meet constant deadlines; ability to work independently as well as in a team environment.

SUPERVISORY RESPONSIBILITIES: Research Associate, Undergraduate Research Assistant, Graduate Research Assistant, and Interns, to include conducting performance evaluations

SALARY: The salary range for this position is \$36,029 - \$60,048 depending upon qualifications.

The finalist for this position must complete a pre-employment physical.

Review of applications will begin October 2, 2006. Send a cover letter, resume with names, addresses and phone numbers of three references to Doreen Boutin, 5793 AEWB Bldg., University of Maine, Orono, ME 04469 or to doreen.boutin@umit.maine.edu

The University of Maine is an Equal Opportunity/Affirmative Action Employer and encourages members of under-represented groups to apply.

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SWST Snapshot

Membership			
Full members	275	Affiliate members	4
Student members	45	Total members	368
Retired members	44	W&FS Subscribers	205
Financial			
Three Vanguard funds (12/31/05)	\$54,524.05	Vanguard Index fund (Student poster money)	\$13,873.34
CD Balance (12/31/05)	\$51,591.79	Checking Account (06/01/06)	\$163,555.02
Web Page - July			
Number of hits	825	Pages viewed	483
Number of new visitors	65	More data: http://www.swst.org/nettracker/reports/	

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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.

Phone: (608) 231-9347

Fax: (608) 231-9592

E-mail: vherian@fs.fed.us

Web site: <http://www.swst.org>

Society of Wood Science and Technology

President:	Paul M. Smith
Past President:	Audrey Zink-Sharp
President Elect:	Douglas Gardner
Vice President:	James P. Armstrong
Executive Director:	Vicki L. Herian
Directors:	Robert Beauregard (2006) Jerry Winandy (2006) Donald A. Bender (2007) Alain Cloutier (2007)

Wood and Fiber Science

Editor:	Geza Ifju
Associate Editor:	Audrey Zink-Sharp
Editorial Assistant:	Carol B. Ovens

SWST Newsletter

Editor:	Adam Taylor
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WOOD AND FIBER SCIENCE REPORT

The Executive Board of the Society of Wood Science and Technology at its June 2006 meeting in Newport Beach, CA made a decision to start a “double blind” review process, meaning that

the authors' names will not be revealed to the reviewers and, conversely, the reviewers' identities will not be revealed to the authors. This process is used by most of the highly regarded scientific publications, and it may further improve the scientific quality of papers published in Wood and Fiber Science. This new policy took effect on July 1, 2006.

Summary of Publications, Volume 38

Issue	No. of article	No. of Pages
No. 1	18	181
No. 2	17	186
No. 3	17	187
No. 4	15	165 (est.)
TOTAL	67	719

Number of Manuscripts in the Process

Accepted beyond October issue	20
Under Review	26
Out to Authors for Revision	19
Withdrawn since July 1, 2006	8
Rejected since July 1, 2006	4
Total in the Process	77

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2005-2006

LIST OF POTENTIAL SWST VISITING SCIENTISTS

ANDERSON, MATTHEW., 3700 RT. 44, Suite 102, Millbrook, NY 12545 (845-677-3091)

(FAX: 845-677-6547) email: m.anderson@verizon.net

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%20100.pdf>); Eco-terrorism--Its causes and impacts.

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

BABIAK, MARIAN, Professor, Dr.h.c. RNDr. PhD, Technical University in Zvolen, T.G.Masaryka 24, 96053

Zvolen, Slovak republic (+421 45 5206 350) (Fax: +421 45 5330027)

email address babiak@vsld.tuzvo.sk

Specialty: Wood Structure and Properties

Will Discuss Formally: Wood Physics and Mechanics

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

BARNES, H. MICHAEL, Professor, Forest Products Laboratory, Mississippi State University,

Box 9820, Mississippi State, MS 39762-9820 (662-325-3056) (FAX: 662-325-8126)

email: mbarnes@cfr.msstate.edu

Specialty: Wood deterioration and preservation.

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

Will Discuss Informally: Same as above.

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

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

Will Discuss Formally: Environmental aspects of forestry, timber harvest and wood use; The role of wood in the growing

U.S. bio-energy industry; The Wood Science profession - Past, Present & Future; Environmental life cycle analysis; Life cycle inventory; Environmental education of children; The tropical deforestation problem.

Will Discuss Informally: Almost anything.

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

Specialty: Forest products marketing and management

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

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

Bryant, Ben S., Professor Emeritus, CEO of Appropriate Technology Briquettes, Inc. (ATBI). Seattle WA, (206-522-6273) email: atbi@comcast.net

Specialty: Wood science and physics.

Will Discuss Formally and Informally: Above specialty.

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

Specialty: Wood drying.

Will Discuss Formally and Informally: Above specialty.

CHOW, POO, Professor of Wood Science, Department of Forestry, University of Illinois, W-503 Turner Hall, 1102 South Goodwin, Urbana, IL 61801 (217-333-6670) (FAX: 217-244-3219) email: p-chow@unic.edu

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

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

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

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

email: p.cooper@utoronto.ca

Specialty: Wood deterioration and protection.

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

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

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

Specialty: Tree growth, wood quality.

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

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

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

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

Specialty: Wood engineering.

Will Discuss Formally and Informally: Design properties of lumber; Grading of structural lumber (visual and/or MSR); Reliability-based design; The role of consultants in the forest products field; Heavy timbers in residential and commercial construction; Hardwood structural lumber.

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

Specialty: Wood chemistry.

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

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

FLYNN, KEVIN, University of California Forest Products Lab., 1301 South 46th Street,

Richmond, CA 94804 (510-215-4242) (FAX: 510-215-4299) email: kevin.flynn@ucop.edu

Specialty: Wood performance; Problem analysis.

Will Discuss Formally: Durability; Degradation; Protection.

Will Discuss Informally: Any related issues.

FUNCK, JAMES W., Associate Professor, Oregon State University, Forest Products Department,

134 Richardson Hall, Corvallis, OR 97331-5751 (541-737-4207) (FAX: 541-737-3385)

email: Jim.Funck@orst.edu

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

Will Discuss Formally: Above listed specialties.

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

GARDNER, DOUGLAS J., University of Maine, Advanced Engineered Wood

Composites Center, Department of Forest Management, 231 AEWB Building, Orono, ME 04469 (207-581-2846)

(FAX: 207-581-2074)

email: doug_gardner@umenfa.maine.edu

Specialty: Wood adhesion; Wood composites.

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

Will Discuss Informally: Anything.

GARTNER, BARBARA, Professor, Oregon State University, Dept. of Wood Science and Engineering, 118 Richardson Hall, Corvallis, OR 97331 (541-737-4213) (FAX: 541-737-3385)
email: Barbara.Gartner@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.

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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 .

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

Specialty: Engineering properties of wood.

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

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

GUPTA, RAKESH., Oregon State University, Department of Wood Science & Engineering, 114 RH, Corvallis, OR 97331 (541-737-4223) (FAX: 541-737-3305)
email: rakesh.gupta@oregonstate.edu

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

Will Discuss Formally: Above listed specialities.

Will Discuss Informally: Above listed specialities.

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

Specialty: Forest products marketing.

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

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

Specialty: Biodegradation of wood; Fungal metabolism.

Will Discuss Formally: Biological degradation of wood.

Will Discuss Informally: Interdisciplinary studies.

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

Specialty: Wood-based and composites.

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

Will Discuss Informally: Composite processing and performance.

(Newly added) Kasal, Bo, Professor and Hankin Chair, Department of Civil and Environmental Engineering, Department of Architectural Engineering, Director of Research, Pennsylvania Housing Research Center, 219 Sackett Building, University Park, PA 16802 (814 865 2341) (Fax: 814 863 7304) email: buk13@psu.edu

Specialty: Residential construction; Wood engineering.

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

KIM, MOON J., Department of Forest Products, Mississippi State University,
Mississippi State, MS 39762-9820 (662-325-3109) (FAX: 662-325-8126)
email: mkim@cfr.msstate.edu

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

Will Discuss Formally and Informally: Above specialty.

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

Specialty: MASS CUSTOMIZATION IN FURNITURE MANUFACTURING COMPANIES.

Will Discuss Formally: Linkages between Mass Customization and Competitiveness.

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

LITTLE, ROBERT L., SII Dry Kilns, P.O. Drawer I, Lexington, NC 27293-9383 (336-357-7146)
(FAX: 336-357-2267)

Specialty: Drying of hardwood lumber.

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

Will Discuss Informally: General wood technology.

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

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

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

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

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

Will Discuss Formally: All of the above.

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

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

Specialty: Role of wood in a global economy; SWST Accreditation Standards; strategic planning for forest products/wood science programs; academic, extension and research program administration challenges.

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

Will Discuss Informally: Above topics and most anything else.

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

Specialty: Wood microbiology; Biodeterioration; Preservation.

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

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

No, Byung Young, PhD, Resin Chemist, Hexion Specialty Chemicals, Inc. R&D lab, 610 south 2nd street, Springfield, OR 97477 (541-741-6663) (Fax: 541-747-3868) email: Byung.YoungNo@hexionchem.com

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

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

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

O'HALLORAN, MICHAEL R., President, Western Wood Products Association, 522 SW 5th Street, Suite 500, Portland, OR 97204-2122 (503-224-3930) email: mohalloran@wwpa.org

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

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

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

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

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

Specialty: Tree weights, Bulk Density, Small Log Utilization

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

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

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

Specialty: Wood drying; Wood machining.

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

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

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

Specialty: Wood engineering, nondestructive testing, structural composite

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

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

SHALER, STEPHEN, Professor, University of Maine, 5755 Nutting Hall, Orono, ME 04469-5755 (207-581-2886) (FAX: 207-581-2875) email: Steve.Shaler@umit.maine.edu

Specialty: Wood mechanics and composites.

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

Will Discuss Informally: Hybrid wood composites.

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

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

Will Discuss Formally: Recycling of polymer fluff in wood composites; Contact angle

determination of particles.

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

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

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

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

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

SMITH, W. RAMSAY, Global Research Manager, Arch Wood Protection, Inc., 3941 Bonsal Road, Conley, GA 30288 (404-362-3970) (FAX: 404-363-8585) email: 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.

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

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.

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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; Sawmilling; hydrothermal treatment of wood; and wood composite materials technology.

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

Specialty: Marketing; Forest Sector-Based Economic development.

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

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

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, Project Leader-Engineered composites. USDA Forest Service, Forest Products Laboratory, One Gifford Pinchot Dr., Madison, WI 53726-2398 (608-231-9316)

(FAX: 608-231-9582) email: jwinandy@wisc.edu

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.

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

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

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

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

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

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

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

Will discuss informally: Building developments and construction technology.

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

Specialty: Material science.

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

Will Discuss Informally: Durability and weathering of forest products.

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

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

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

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

Zhang, Jilei, Associate Professor, Forest Products Laboratory, Mississippi State University, Box 9820, Mississippi State, MS 39762 (662-325-9413)

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

Specialty: Furniture engineering.

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

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