

SWST Newsletter ~ June 2010 ~



In This Issue (these are clickable links)

News

[SWST Annual Convention 2010 in Geneva](#)

[SWST 2014 Int'l Convention – Call for Proposals](#)

[Cartoon contest - Add a caption](#)

[National Conservation Legacy and Education Center](#)

Meetings

[National Nanotechnology Initiative Strategic Planning Stakeholder Workshop](#)

[FPS Annual Meeting](#)

[Kiln Drying Short Course](#)

[Processing Conference in Austria](#)

Positions

[Building Energy Extension at Amherst](#)

[Professor at Freiburg](#)

[Dean at Auburn](#)

SWST

[Visiting Scientist Committee Report – Wood Scientists Without Borders Survey](#)

[About SWST](#)

[Visiting Scientist List](#)



Note from the Editor

Please note – The Society's address has changed!

SWST
P.O. Box 6155
Monona, WI 53716-6155
PH: 608-577-1342
Fax: 608-467-8979

Items for the August 2010 SWST Newsletter should be sent to me by the end of July - AdamTaylor@utk.edu



Society of Wood Science and Technology (SWST) International Convention • October 11–15, 2010



Co-hosted by United Nations Economic Commission for Europe - Timber Committee (UNECE-TC)



* Role of Wood Science in the Green Building Movement

- Session 1 Markets for use of solid and engineered wood products in green construction
- Session 2 Innovative wood and wood-based materials and their use in sustainable construction
- Session 3 Poster Session/Student Poster Competition/cash bar
- Session 4 Structural design for sustainable construction and disaster mitigation
- Session 5 The role of nanotechnology in green materials and sustainable construction
- Session 6 Building codes and standards - Influence on material use and construction practices
- Session 7 Current challenges in wood science education

Banquet (fee required)

Tour of CERN, EPFL, Sauvabelin Tower (fee required)

- Session 1 Marchés pour l'usage du bois massif et des produits en bois d'ingénierie dans la construction verte
- Session 2 Bois et matériaux à base de bois innovateurs et leur utilisation dans la construction durable
- Session 3 Session d'affiches/Concours d'affiches d'étudiant(es)/Bar aux frais des participants
- Session 4 Conception structurale pour la construction durable et l'atténuation des sinistres
- Session 5 Le rôle de la nanotechnologie dans les matériaux verts et la construction durable
- Session 6 Codes du bâtiment et normes - influence sur l'usage des matériaux et des pratiques de construction
- Session 7 Les défis actuels de la formation en sciences du bois

Banquet (aux frais des participants)

Visite du CERN, de l'EPFL et Tour de Sauvabelin (aux frais des participants)

- Сессия 1 Рынки сбыта цельнодеревянных и специализированных деревянных изделий для применения в экологически чистом строительстве
- Сессия 2 Инновационные материалы и изделия на основе древесины и их использование в экологически устойчивом строительстве
- Сессия 3 Стендовые доклады/студенческий конкурс стендовых докладов/платный бар
- Сессия 4 Проектирование экологически устойчивых сооружений и смягчение опасности стихийных бедствий
- Сессия 5 Роль нанотехнологий в создании экологически чистых материалов и сооружений
- Сессия 6 Строительные нормы и правила – влияние на использование материалов и строительную практику
- Сессия 7 Современные проблемы образования в области лесоведения

Банкет (за дополнительную плату)

Экскурсия в Европейский Центр ядерных исследований (CERN), Федеральную политехническую школу Лозанны (EPFL) и на башню Савабелен, Tour de Sauvabelin (за дополнительную плату)

For more information, contact Victoria L. Herian, SWST, P.O. Box 6155, Monona, Wisconsin USA 53716-6155 USA
Phone 608-577-1342 Fax 608-467-8978 Email vicki@swst.org
Convention webpage: <http://www.swst.org/meetings/AM10>

[<Back>](#)

[<Back>](#)

SWST 2014 INTERNATIONAL CONVENTION - CALL FOR PROPOSALS

SWST is issuing a Call for Proposals for co-hosting our 2014 International Convention. We will be holding it outside of North America and any interested person, company, or university that would like to co-host in their city please submit a proposal and contact Vicki Herian at SWST:

P.O. Box 6155
Monona, WI 53716-6155
PH: 608-577-1342
Fax: 608-467-8979
Email: vicki@swst.org.

[<Back>](#)

DEPARTMENT OF NATURAL RESOURCES CONSERVATION AND UMASS-EXTENSION

UNIVERSITY OF MASSACHUSETTS-AMHERST

Title: Extension Assistant Professor - Building Energy

Appointment: Academic Year (9 Month) – Non-tenure track

Available: Earliest appointment date is September 1, 2010

Application: Review of applications begins May 1, 2010. Search will continue until the position is filled.

The Position: The position includes an appointment for 20% Teaching, 20% Research and 60% Extension/Service and Outreach. The candidate will be expected to teach two classes. These will include: Energy Efficient Housing and an additional course to be developed in Building Energy. The candidate will oversee an online professional development series in green building that will serve multiple roles in traditional teaching and in outreach and extension.

The candidate will develop and implement an integrated research and extension agenda including:

engaging university faculty, industry and government partners in identifying, conducting and funding building energy research, education and extension/outreach; Serving as a clearinghouse for research-based knowledge, ideas, information and techniques; engaging and involving partners and collaborators in the delivery of programs. Research topics are likely to include: developing, modeling, assessing and implementing building energy improvements at scales ranging from a single homeowner to a public utility, statewide or national, financial optimization and the science and implementation of deep energy retrofits.

Qualifications: The focus of this position is *building energy*, covering both the residential and the commercial/industrial environments. Professional experience in this field is highly desirable. Expertise is required in: building science, sustainable building practices, energy modeling, and financial analysis. The candidate should have demonstrated communication skills including the ability to transfer knowledge and technology from the research lab into practice. An MS degree

is required. A doctoral or other terminal degree is preferred.

Salary: Competitive and based on qualifications.

The Setting: The Building and Construction Technology Program in the Department of Natural Resources

Conservation places special emphases on collaboration between faculty, students, staff, and industry and government partners. We share a fundamental commitment to teach and serve a diverse student body and the broader public. The University is part of the 5-College Consortium in the beautiful Pioneer Valley of Western Massachusetts, with excellent social, cultural and recreational amenities in a town and rural setting. We are 2 hours from Boston and 3 hours from New York City.

To Apply: Applicants should submit a curriculum vitae, a statement of extension, teaching and research philosophy and the names, addresses and telephone numbers of three references who can comment on their extension, teaching and research abilities. Send to:

David T. Damery, Chair
Building and Construction Technology Search Committee
Dept. of Natural Resources Conservation
160 Holdsworth Way, #118
Univ. of Massachusetts
Amherst, MA 01003
413-545-1770, ddamery@nrc.umass.edu

The University provides an intellectual environment committed to providing academic excellence and diversity including mentoring programs for faculty. The College and the Department are committed to increasing the diversity of the faculty, student body and the curriculum. The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are encouraged to apply.

[<Back>](#)

PROFESSOR (CHAIR) FOR FOREST OPERATIONS (W3)

The Faculty of Forest and Environmental Sciences of the Albert-Ludwigs-Universität Freiburg/Breisgau / Germany, offers the position of a full (Preferred starting date of the appointment: 01. April 2011).

The applicant shall cover the broad area of Forest Operations in both research and academic teaching. This comprises the analysis and design of systems and processes for the sustainable management and utilization of forests and landscape. Topics of particular interest include: Forest Technology and Harvesting, Bioenergy and Renewable Bio- Resources, Forest Engineering, Transport systems and Logistics, Environmental impact analysis and Technical impact assessment. Also the aspects and needs of human labor involved in these systems and processes should be taken into consideration.

The applicant shall actively participate in the academic teaching and the coordination of the existing and future study programs of the faculty. She/he will be expected to develop and offer teaching modules in the area of Forest Operations for the B.Sc. and Master programs offered in

German language as well as for the International Master programs, offered in English language. For more information visit the website of the faculty: <http://www.ffu.unifreiburg.de>.

Furthermore an active participation in the Graduate School of the Faculty: Environment and Society in the context of Global Change is requested. The applicant is also expected to actively participate in the Universities interdisciplinary Research Centers such as the Centre for Renewable Energies (ZEE). Special attention is given to the continuation of the existing close contacts and active cooperation of the institute with industry and with research organizations at the national and international level. In particular, the position requires efforts and success in acquiring research funds from various sources and programs.

The applicant will work at the Institute for Forest Utilization and work science together with a second professor who is in charge of the various aspects of forest products and wood science.

For more information visit the web site of the Institute <http://www.fobawi.uni-freiburg.de>.

Prerequisites for a successful application are a University degree, a doctoral degree (PhD or equivalent) and a habilitation (or equivalent) in an area relevant to the subject of the chair. Demonstrated teaching skills and experience at the university level and high quality publications in international journals are also prerequisites.

Applicants with an international background are highly appreciated but she/he should be able and willing to teach and communicate in German language within a reasonable period of time after taking this position.

The University of Freiburg aims at increasing the number of women among the professors and therefore strongly encourages qualified female individuals to apply for this position. Disabled applicants with equivalent qualifications are preferred.

For further information, please contact the Institute for Forest Utilization and Forest Work science (email: fobawi@fobawi.uni-freiburg.de) or the dean's office (email: inga.armbruster@ffu.uni-freiburg.de, Phone +49 (0) 761 203-3604). Please send us your application in digital format as well as by surface mail not later than 19 June 2010 to the: Dekanat der Fakultät für Forst- und Umweltwissenschaften, Tennenbacherstr. 4, 79106 Freiburg (email-address: dekanat@ffu.uni-freiburg.de)

[<Back>](#)

DEAN, SCHOOL OF FORESTRY AND WILDLIFE SCIENCES

Auburn University invites applications and nominations for the position of Dean of the School of Forestry and Wildlife Sciences. The School seeks an innovative, dynamic, and experienced administrator who will enhance and further its reputation and position as a major international leader of teaching, research, and extension.

Established in 1856, Auburn University is one of the nation's premier land, sea, and space grant institutions. In the 2010 edition of U.S. News & World Report, Auburn was ranked 39th among public universities. Located on 1,843 acres, Auburn has 1,176 full-time faculty, 154 part-time faculty, and enrolls 24,602 students from all fifty states and approximately 80 countries, with 19,926 undergraduates, 3,689 graduate students, and 987 first professional students in the fall of

2009. It is nationally recognized for its commitment to academic excellence, positive work environment, exciting student life, and the beauty of its campus. Auburn is a small, friendly university town located on the beautiful plains of eastern Alabama about 50 miles east of Montgomery, Alabama's capital, and 115 miles southwest of Atlanta, Georgia. Auburn enjoys a warm and sunny climate with mild winters and is within close proximity to numerous beaches and mountains.

The School of Forestry and Wildlife Sciences enrolls 351 undergraduate and 82 graduate students. Committed to excellence in teaching, research, and extension, with 26 research staff, 23 support staff, and 42 faculty members, the School offers undergraduate degrees leading to a Bachelor of Science in Forestry; Bachelor of Science in Wildlife Ecology, including a Pre-Vet option; and a Bachelor of Science in Biosystems Engineering, with a Forestry option, which is a joint program with the College of Engineering and College of Agriculture. The School also offers graduate degrees leading to a Master of Natural Resources, Master of Science in Forestry, Master of Science in Wildlife Sciences, PhD in Forestry and Wildlife Sciences, and a PhD in Applied Economics in Forestry, which is a joint program with the Department of Agricultural Economics and Rural Sociology and the Department of Economics. Instructional efforts are bolstered by the School's research funding, which is nearly \$7 million annually.

The School maintains the most modern research and teaching facilities on the Auburn campus, having moved into an 110,000 SF facility in 2005. Funding for the facility was provided primarily from non-university sources. Field research and education are also important in the School. The 5,300 acre Solon Dixon Forestry Education Center is an outstanding school forest that provides an exceptional summer field experience for students, and other education and outreach opportunities during the remainder of the year. Additionally, there are over 4,000 acres managed as research and demonstration forests that encompass a variety of forested ecosystems. In addition, the School is committed to international education, and offers its students a number of opportunities to study abroad through its international programs.

The School plays a vital supporting role for Alabama's forest products industry, one of the state's largest manufacturing industries contributing in excess of \$23 billion annually to the economy and employing 1 out of every 10 Alabamians. In addition, a thriving wildlife industry adds more than \$4 billion to the state's economy and provides more than 53,000 jobs. Formation and administration of cooperatives focused on forest herbicides, silviculture, nursery operations, forest health, and fish and wildlife research provides evidence of the integral leadership role the School plays in Alabama's forestry and wildlife communities. Currently, the School, along with other units on campus, is providing key support for the state's nascent biofuels industry.

The Dean of Forestry and Wildlife Sciences serves as the chief academic and administrative officer for the School and reports directly to the Provost and Vice President for Academic Affairs. The Dean's primary role is to provide vision and leadership in the School and to foster a culture supportive of the School's interdisciplinary and core missions, both internally and externally to the broader academic community, through excellence in learning, discovery, and engagement.

Candidates should be creative and innovative leaders who understand the local, domestic, and international issues facing forestry and wildlife sciences in the broadest sense. In addition, the Dean must be able to work closely with others, build consensus, and motivate the faculty, staff, and students to help advance the School. Responsibilities include:

- advocating for the faculty, staff, and students both inside and outside the University;
- promoting and encouraging faculty development in teaching, research, and extension;
- providing the strategy and vision to increase the stature and visibility of the School nationally and internationally;
- overseeing effective fiscal and personnel management, including the recruitment of highly qualified and diverse students, faculty, and staff; and
- building partnerships with potential donors and funding agencies; working closely with the School's Advisory Council; and establishing national and international relationships with individuals, associations, corporations, and state and federal agencies.

Requirements

Candidates must have a strong commitment to student achievement and faculty scholarship, effective interpersonal skills, and possess the drive to move the School forward nationally and internationally through excellence in the academic, extension, and research missions of the School and University. In addition, the successful candidate must be an excellent administrator with a proven record of vision resulting in the ability to achieve specific goals, set priorities, and allocate resources. Specific qualifications include:

- an earned doctorate and a record of teaching and research meriting tenure as a full professor in one of the School's disciplines;
- a commitment to excellence in undergraduate and graduate education;
- an established record of research and effective research administration;
- demonstrated accomplishments in extension, university outreach, or service;
- a demonstrated track record of effective leadership and management;
- evidence of professional distinction and national recognition in their field;
- effective communication skills and commitment to transparent budgeting and decision-making; and
- demonstrated ability to foster cooperation and consensus building.

The candidate selected for the position must meet eligibility requirements for work in the United States at the time the appointment is scheduled to begin and continue working legally for the proposed terms of employment.

Applications and nominations should be directed to the University's executive recruitment consultant:

Martin M. Baker Vice President
 Baker and Associates LLC
 10 Glenlake Parkway
 South Tower-Suite 140
 Atlanta, GA 30328
mbaker@baasearch.com

The application review process will begin May 20, 2010 and will continue until a qualified

candidate is selected and recommended for appointment.

Auburn University is an affirmative action/equal opportunity employer.

Minorities and women are encouraged to apply.

[<Back>](#)

CAPTION CONTEST

Steve Quarles sent this in with the challenge to come up with a caption. [Send me](#) your suggestions and I'll post them in the next newsletter



The Atlantic, May 2010, 305(4):44

[<Back>](#)

THE NATIONAL MUSEUM OF FOREST SERVICE HISTORY ANNOUNCES PLANS FOR A NATIONAL CONSERVATION LEGACY AND EDUCATION CENTER

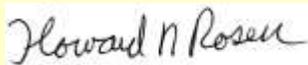
On May 20, 2010, a reception was held at the offices of the National Association of State Foresters in Washington, D.C. The National Museum of Forest Service History officially announced plans to build a National Conservation Legacy and Education Center in Missoula, Montana. This center will be dedicated to preserving and interpreting the conservation legacy of the U.S. Forest Service, its cooperators, and its partners. I represented SWST.

Co-hosts at the reception included the American Recreation Coalition, the Boone and Crockett Club, the Forest History Society, the National Association of State Foresters, and the Society of American Foresters. Each co-host gave a brief presentation about the importance of the Center and the reasons for their support. Other groups in attendance, including SWST, were asked to support this project by providing agreement on the concept, committing to provide appropriate technical input to the Center in the future, and funding. A considerable part of the Center funding is being requested from the Federal government.

More details about the National Conservation Legacy and Education Center can be found at the website "www.nmfs-history.net". The goals of the Center are consistent with those of SWST and we should be able to provide technical input on the good wood science that has been used to make quality wood products.



Exterior view of the planned Center



Howard N. Rosen

SWST Washington D.C. Representative

[<Back>](#)

NATION NANOTECHNOLOGY INITIATIVE STRATEGIC PLANNING STAKEHOLDER WORKSHOP

JULY 13-14, 2010

Providing Critical Stakeholder Input to the 2010 NNI Strategic Plan
July 13-14, 2010 - This is *your opportunity* to help *shape* the *research agenda*. Join us to contribute to the dialogue and give input to the next US NNI Strategic Plan!

[Register Now!](#)

The goals of this workshop are to:

- Bring together those who are new to nanoscale science, engineering, and technology as well as those familiar with the NNI
- Obtain stakeholder input regarding the goals and objectives of an updated NNI Strategic Plan. This is currently under development and scheduled for completion by December 2010
- Gather suggestions to the U.S. Government interagency task force that is drafting the new plan.

This is an update of the December 2007 [NNI Strategic Plan](#).

[<Back>](#)

FPS CONVENTION HIGHLIGHTS THE FUTURE DIRECTION OF FOREST PRODUCTS RESEARCH AND DEVELOPMENT

The Forest Products Society (FPS) announces their 2010 International Convention. The **FPS 64th International Convention** will take place June 20-22, 2010 at the Monona Terrace Community & Convention Center in Madison, Wisconsin, USA.

The International Convention is the premier event for professionals in the forest products field. Convened annually by FPS, the International Convention brings together hundreds of scientists, design professionals, managers, decision makers, and others from academia, government, non-profit, and private industry to discuss the state of forest products research and learn about innovations in the field.

Attended by FPS members and non-members, the annual International Convention is the perfect venue to build new professional connections with top researchers from around the world and reconnect with colleagues and friends in the field. With over 170 technical presentations and 120 scientific posters, the International Convention is the place to learn about the latest developments in forest products research and application.

Hear from industry, university, trade association, and government leaders on the future direction of forest products research and development. The convention will highlight some of the creative contributions that have been made by the research and development community and lay out plans for new and emerging technological advances.

Technical session themes include:

- Building on a Century of Forest Products Research;
- Woody Biomass: Economics, Supply, Conversion to Energy, and Environmental Impacts;
- Bio-Based Materials - Characterization, Processing, and Product Development;
- Treated Wood Products for the 21st Century's 'Green' Customers;
- Improving the Softwood Lumber Industry in a Troubling Market;
- Manufacturing and Business Process Management;
- Extension and Technology Transfer in a Changing Industry;
- Growing Wood and Biomass for Industry - Property Requirements and Material Procurement;
- Wood Products Research: Anatomical, Structural, and/or Biological;
- Marketing & Utilization of Temperate & Tropical Species;
- Wood-Based Carbon Materials for Advanced Applications;

- Design of Wood Buildings Using Current Codes and Practices;
- and much more...

The **FPS 64th International Convention** isn't only about learning, it's also about professional networking in a business casual setting. In addition to the annual Welcome Reception, Awards and Student Luncheons, university alumni receptions and Paul Bunyan Party, several exciting pre- and post-convention tours have been planned.

The International Association of Wood Products Societies (IAWPS) will hold its business meeting in conjunction with the **FPS 64th International Convention**. Meetings of the International Association of Wood Anatomists (IAWA), International Academy of Wood Science (IAWS), and IUFRO Division 5 will be held following the Convention.

The **FPS 64th International Convention** will be held in conjunction with the 100th anniversary of the founding of the USDA Forest Service, Forest Products Laboratory (FPL). To commemorate 100 years of innovation, guests and employees will gather outside FPL's new Centennial Research Facility for a ribbon cutting ceremony. The official program will include FPL Director Chris Risbrudt hosting the event. Invited speakers include USDA Secretary of Agriculture Tom Vilsack, U.S. Senators Herb Kohl and Russ Feingold, Congresswoman Tammy Baldwin, Governor James Doyle, Forest Service Chief Tom Tidwell and Deputy Chief of Research Ann Bartuska. A reception will follow with entertainment by the Fiddlin' Foresters and a tour of the 90,000 square foot research facility where displays, exhibits, and ongoing research will be highlighted.

The **FPS 64th International Convention** is hosted by the FPS Midwest Section.

Strategic Sponsors include: *Platinum Level Sponsors* – TECO and the USDA Forest Service, Forest Products Laboratory. *Silver Level Sponsors* – The Aldo Leopold Foundation, FPS Midwest Section, and Pella Corporation. *Bronze Level Sponsors* – Ashland and iLevel by Weyerhaeuser.

Annual Awards Sponsors include: Arch (Wood Award) and American Forest & Paper Association (Wood Engineering Award).

Student Activities Sponsors include: FPS Eastern Canadian Section, FPS Great Lakes Section, FPS Inland Empire Section, FPS Mid-South Section, FPS Midwest Section, FPS Ohio Valley Section, FPS Northeast Section, FPS Pacific Northwest Section, FPS Pacific Southwest Section, FPS Rocky Mountain Section, FPS Southeastern Section, FPS Upper Mississippi Valley Section, FPS Willamette Valley Chapter, A. William Boehner (Consultant), North Carolina State University (Wood Machining & Tooling Research Program), and Winandy & Associates, LLC.

Cooperators and Partners include: International Association of Wood Products Societies (IAWPS); International Association of Wood Anatomists (IAWA); International Academy of Wood Science (IAWS); IUFRO Division 5 (Forest Products); and Society of Wood Science & Technology.

To view the program and register, visit www.fpsconvention.org. Or contact the Forest Products Society, 2801 Marshall Court, Madison, WI 53705-2295; Phone: 608-231-1361, ext. 208; Fax: 608-231-2152; conferences@forestprod.org.

About the Forest Products Society – The Forest Products Society is an international non-profit

technical association founded in 1947 to provide an information network for all segments of the forest products industry – from standing tree to finished product. The Society publishes a peer reviewed journal and technical publications, convenes conferences and workshops on topics of interest to the forest products community, and serves a membership of about 1,300 academic, industry, and other professionals.

[<Back>](#)

KILN DRYING SHORT COURSE

The 33rd Annual Kiln Drying Short Course will be held August 16-19, 2010 at the University of Minnesota, St. Paul Campus. The University of Minnesota's Department of Bioproducts and Biosystems Engineering sponsors the course in cooperation with the University of Wisconsin-Madison's Department of Forest Ecology and Management, and the Great Lakes Kiln Drying Association.

The course is designed to provide basic training for dry kiln operators and supervisors, but anyone desiring to learn more about kiln construction, kiln operation and wood-moisture relations is welcome and encouraged to attend. No previous drying experience or training is necessary.

Instruction will include lectures, demonstrations and "hands on" kiln drying experience. Conventional kiln drying of hardwood lumber will be emphasized; however, dehumidification drying, solar drying and air-drying will also be covered. Ample time will be available for group interaction as well as individual consultation.

For further information contact:

Harlan Petersen
Department of Bioproducts and Biosystems Engineering
University of Minnesota
2004 Folwell Avenue
St. Paul, MN 55108

Phone: (612) 624-3407
Fax: (612) 625-6286
E-mail: harlan@umn.edu
Website: <http://www.bbe.umn.edu/kdsc>

[<Back>](#)

CONFERENCE ON PROCESSING TECHNOLOGIES FOR THE FOREST AND BIO-BASED PRODUCTS INDUSTRIES

Dear all,

I want to make you aware of the - Call for Abstracts - for our upcoming Conference on Processing Technologies for the Forest and Bio-based Products Industries, October 6-8 2010, Salzburg/Kuchl, Austria.

You will find all relevant details by following the link:

<http://conference.fh-salzburg.ac.at/index.php?id=2>

Best regards,

Stefanie

FACHHOCHSCHULE SALZBURG GmbH
Salzburg University of Applied Sciences

Dr. DI (FH) Stefanie Wieland
Head R&D
HTB - Wood Processing Technology & Construction

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[<Back>](#)

VISITING SCIENTIST COMMITTEE REPORT

From Brian Via, 2009-2010

Results from survey regarding the interest level of Wood Scientists Without Borders

During the spring meeting, the SWST board asked the Chair of the Visiting Scientist Committee (Brian Via) to send a survey to all members of SWST regarding the interest level of the proposed program “*Wood Scientists without Borders.*” The following 4 questions were asked:

1. What is your level of interest in the concept of Wood Scientists Without Borders (1=low to 5=high)?
2. Would you like to serve on an ad hoc committee if there is substantial interest as per question 1 (YES or NO)?
3. Do you have any suggestions for case studies to try out for this summer?
4. Any additional comments?

The response to question number one can be seen in Figure 1. There were 54 respondents out of 441 total people contacted (12.2% response rate). The average rating was 3.4 and the

distribution was non-normal.

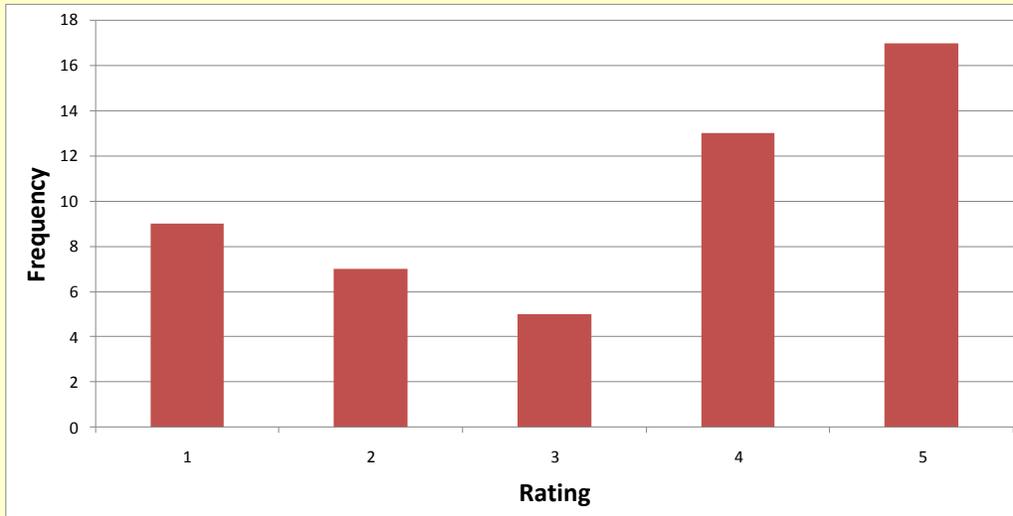


Figure 1: A histogram of the response to the question, “What is your level of interest in “Wood Scientists Without Borders,” where 1 = a low level of interest and 5= a high level of interest?

There were 13 volunteers to serve on an ad hoc committee.

There were several suggestions for case studies that could be pursued including:

- Conception, Chile
- Nature Conservancy,
- Rain Forest Alliance
- Temporary shelters for disaster relief
- Low cost green housing for developing countries

One member offered to find opportunities within the Federal Government if asked.

There were many other comments. Each one was read and while not listed here, will be considered in future discussions with the committee.

[<Back>](#)

ABOUT SWST

The SWST Newsletter is published six times a year by the Society of Wood Science and Technology, SWST, P.O. Box 6155 Monona, WI 53716-6155 PH: 608-577-1342 Fax: 608-467-8979.

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.

E-mail: Vicki@swst.org

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

Society of Wood Science and Technology

President: James Funck
Past President: Jerrold Winandy
President Elect: Susan Anagnost
Vice President: Todd Shupe
Executive Director: Vicki L. Herian
Directors: Vikram Yadama (2008)
Robert Bush (2008)
Steve Quarles (2009)
Sheldon Shi (2009)

Wood and Fiber Science Editor: Frank Beall
Newsletter Editor: Adam Taylor

[<Back>](#)

[<Back>](#)

POTENTIAL SWST VISITING SCIENTISTS

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

Specialty: Termite biology and control.

Will Discuss Formally and Informally: Above specialty.

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

Specialty: Wood science consulting and applied research.

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

ARMSTRONG, JAMES P., Associate Professor, West Virginia University, P.O. Box 6125, Morgantown, WV 26506-6125 (304-293-2941, ext. 2486) (FAX 304-293-2441)

email: jarmstro@wvu.edu

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

Will Discuss Formally: Various topics related to forest resources in U.S. history (see: http://www.wdsc.caf.wvu.edu/otherwebs/wdsc_100.htm.); Eco-terrorism--Its causes and impacts.

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

BARNES, H. MICHAEL, Thompson Professor of Wood Science and Technology, Forest Products Laboratory, Mississippi State University, Box 9820, Mississippi State, MS 39762-9820 (662-325-3056) (FAX 662-325-8126) email: mbarnes@cfr.msstate.edu

Specialty: Wood deterioration and preservation.

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

BEALL, FRANK C., University of California Berkeley, College of Natural Resources, 1301 South 46th Street, Richmond, CA 94804 (510-665-3536) (FAX 510-665-3427)

email: frank.beall@nature.berkeley.edu

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

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

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

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

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

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

Will Discuss Informally: Almost anything.

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

Specialty: Forest products marketing and management

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

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

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

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

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

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

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

Specialty: Wood drying.

Will Discuss Formally and Informally: Above specialty.

CHOW, POO, 2406 Burlison Drive, Urbana, IL 61801 (217-333-6670) (FAX 217-244-3219)
email: pchow@uiuc.edu

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

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

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

COOPER, PAUL, Associate Professor, Forestry Department, University of Toronto,
33 Willcocks Street, Toronto, Ontario, CANADA M5S 3B3 email: p.cooper@utoronto.ca

Specialty: Wood deterioration and protection.

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

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

CUTTER, BRUCE, Associate Professor, University of Missouri, 124 A-BNR, Columbia, MO 65211
(573-882-5191) (FAX 573-884-2636) email: cutterb@missouri.edu

Specialty: Tree growth, wood quality.

Will Discuss Formally: Eastern red cedar as a biogeochemical monitor; General tree growth;
Wood quality; Agroforestry.

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

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

Specialty: Wood engineering.

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

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

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

Will Discuss Formally and Informally: All specialties.

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

Specialty: Wood performance; Problem analysis.

Will Discuss Formally: Durability; Degradation; Protection.

Will Discuss Informally: Any related issues.

FUNCK, JAMES W., Manager, Lumber & Wood Science, Weyerhaeuser Company, WTC 2B2,

P.O. Box 9777, Federal Way, WA 98063-9777 (253-924-6826) (FAX 253-924-4239)

email: jim.funck@weyerhaeuser.com

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

Will Discuss Formally: Above listed specialties.

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

GARDNER, DOUGLAS J., University of Maine, 208 AEWB Building, Orono, ME 04469

(207-581-2846) (FAX 207-581-2074) email: douglas.gardner@umit.maine.edu

Specialty: Wood adhesion; Wood composites.

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

Will Discuss Informally: Anything.

GLASSER, WOLFGANG G., Professor of Wood Chemistry, Virginia Polytechnic Institute and State University, Department of Wood Science & Forest Products, 210 Cheatham Hall,

Blacksburg, VA 24061 (540-231-4403) (FAX 540-231-7664) email: wglasser@vt.edu

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

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

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

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

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

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

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

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

GUPTA, RAKESH., Oregon State University, Department of Wood Science & Engineering,

114 RH, Corvallis, OR 97331 (541-737-4223) (FAX 541-737-3305)

email: rakesh.gupta@oregonstate.edu

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

Will Discuss Formally: Above listed specialties.

Will Discuss Informally: Above listed specialties.

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

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

Specialty: Quantitative wood anatomy; Structure-property relationships.

Will Discuss Formally and Informally: Above specialty.

JAGELS, RICHARD, Professor, Department of Forest Ecosystem Science, University of Maine, 5755 Nutting Hall, Orono, ME 04469 (207-581-2884) (FAX 207-581-2889)
email: Richard.Jagels@maine.edu

Specialty: Wood structure; Wood quality.

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