



SWST Newsletter

SOCIETY OF WOOD SCIENCE AND TECHNOLOGY

~June 2006~

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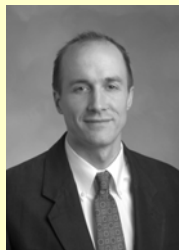
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A Note from the Editor



A reminder that the [SWST Annual Meeting](#) is coming up soon in Newport Beach, CA.

The **SWST Committee Meetings** will be Saturday, June 24, 4:00-5:00 pm – Salons 4, 5 at the Newport Beach Marriott

Please send your comments, and content for future editions of the Newsletter, to me at AdamTaylor@utk.edu.

49th Annual Convention Society of Wood Science and Technology

June 25, 2006

Newport Beach Marriott Hotel
Newport Beach, California

8:00–8:30 Registration & Coffee

Session I: The Effect of Decay on the Performance of Wood Buildings Under Earthquake Loading and How We Might Improve Performance Newport Coast Ballroom, Salon 4

Session Chair and Moderator: *Dan Dolan*, Professor, Washington State University, Pullman, WA

8:30–9:00 “Role of Fungi in Building Failures: are They Over-Rated?”

Jeff Morrell, Professor, Oregon State Univ., Corvallis, OR

9:00–9:30 “Fastener Corrosion Issues: Testing, Codes, and Design”

Samuel L. Zelinka, *Materials Engineer, Douglas Rammer, Research Engineer, USDA Forest Service, Forest Products Laboratory, Madison, WI*

9:30–10:00 “Pros and Cons of Current and Future Wood Preservatives”

Craig McIntyre, *President, McIntyre Associates, Inc., Walls, MS* and Michael Freeman, *Consultant, Memphis, TN*

10:00-10:30 “Moving Forward with Wood Composites”

Vikram Yadama, Assistant Research Professor, Washington State Univ., Pullman, WA

10:30-11:00 “Lateral Load Resistance of FRP-Reinforced OSB Shear Walls and Diaphragms”

—**William G. Davids**, *Associate Professor of Civil and Environmental Engineering, Univ. of Maine, Orono, ME*

—**Eric Cassidy**, *Research Engineer, AEW Center, Univ. of Maine, Orono, ME*

—**Habib J. Dagher**, *Professor of Civil and Environmental Engineering and Director, AEW Center, Univ. of Maine, Orono, ME*

11:00-11:30 “Discussion”

Session II: The Role of Utilization Research in Hazardous Fuels Reduction

Newport Coast Ballroom, Salon 5

Session Chair and Moderator: *Les Groom*, Project Leader, USDA Forest Service, Southern Research Station, Pineville, LA

8:30–9:00 “Ongoing Research in Hazardous Fuel Reduction Treatments at the PNW Station”

—*Eini C. Lowell and Dennis P. Dykstra*, Research Scientists, Pacific Northwest Research Station, USDA, Forest Service, Portland, OR

9:00–9:30 “On-Going Small-Diameter Utilization Research Projects”

—*Susan L. LeVan-Green*, Technology Marketing Program Leader, Forest Products Lab, USDA Forest Service, Madison, WI

9:30–10:00 “Pyrolysis of Understory Removals and Hurricane Katrina Debris”

—*Thomas Elder*, Research Scientist and *Les Groom*, Project Leader, Southern Research Station, USDA Forest Service, Pineville, LA

—*Rick French*, Principle Chemist, National Renewable Energy Lab, Golden, CO

—*Dana Nelson*, Project Leader, Southern Research Station, USDA Forest Service, Pineville, LA

10:00–10:30 “Trials and Tribulations of Understory Removals on the Kisatchie National Forest”

—*Frank Yerby*, District Ranger, Kisatchie National Forest, USDA Forest Service, Winnfield, LA

—*Bobby Sebastian*, District Ranger, *Jim Caldwell*, Public Affairs Officer, and *Margaret Boley*, Forest Supervisor, Kisatchie National Forest, USDA Forest Service, Pineville, LA

10:30-11:00 “Production of Biofuels/Bioenergy From Wood”

Michael Pacheco, Director, National Bioenergy Center, Golden, CO

11:00-11:30 “Integrated Forest Bioproducts Research for Northeastern Species”

Stephen M. Shaler, Prof. and Associate Director, Advanced Engineered Wood Composites Center, and *Hemant Pendse*, Prof. and Chair, Dept. Of Chemical & Biological Engineering, Univ. of Maine, Orono, ME

Awards, Business Meeting, Lunch

Grand Pacific Ballroom, Salons ABC

11:30–1:00

Session III: The Aftermath of Katrina: The Wood Products Industry Response
Newport Coast Ballroom, Salon 4

Session Chair and Moderator: *Jim Armstrong*, Prof., West Virginia University, Morgantown, WV

1:00–1:30 “AF&PA Investigation of Structural Damage from Hurricane Katrina”
John “Buddy” Showalter, Director, Technical Media, AF&PA American Wood Council, Washington, DC

1:30–2:00 “Timber and Forest Products Markets After Katrina”
Bob Daniels, Extension Prof., Mississippi State University, Mississippi State, MS

**2:00–2:30 “After the Hurricanes:
Implications for Housing on the Gulf Coast”**
Claudette Reichel, Extension Housing Specialist & LaHouse Project Chair, and *Richard Vlosky*, Director, Louisiana Forest Products Development Center, Louisiana State University Agricultural Center, Baton Rouge, LA

2:30–3:00 “Impact of Katrina on U.S. Housing Markets”
Delton Alderman, Res. For. Prod. Technologist and *Al Shuler*, Research Economist, U.S. Forest Service, Forest Sciences Laboratory, Princeton, WV

**3:00–3:30 “Remediation of Fungal Growth on Wood-Based Building Materials:
Challenges to the Forest Products Industry”**
Stephen L. Quarles, University of California Cooperative Extension, Richmond, CA and *Stephen C. Davis*, MPH, CIH, LaCroix Davis LLC, Lafayette, CA

3:30–4:00 “Discussion”

Session IV: Moisture in Wood: Problem for Housing and Wood Construction

Newport Coast Ballroom, Salon 5

Session Chair and Moderator: *Brian H. Bond*, Assistant Professor, Dept. of Wood Science & Forest Products, Virginia Tech, Blacksburg, VA

1:00–1:30 “Emerging Issue of Wood and Mold in Residential Construction”
Jeffrey J. Morrell, Professor, Dept. of Wood Science and Engineering, Oregon State Univ., Corvallis, OR

1:30–2:00 “Current Research in Moisture and Housing at the USDA Forest Products Laboratory”
Charles Carll, Research Technologist, and *Anton TenWolde*, Research Physicist, Forest Products Lab, USDA Forest Service, Madison, WI

2:00–2:30 “Designing Thermoplastic Wood Composites for Resistance to Decay and Moisture”

Michael P. Wolcott, Professor, Wood Materials & Engineering Lab., Washington State Univ., Pullman, WA

2:30–3:00 “Assessing Kiln Drying Target Moisture Content for Square Hemlock Timbers”

Stavros Avramidis, Professor, and *Bingye Hao*, Former Post-Doctoral Fellow, Dept. of Wood Science, Univ. of British Columbia, Vancouver, BC, Canada

3:00–3:30 “Development of a Theoretical Thermal Conductivity Equation for Uniform Density Wood Cells”

John F. Hunt, Research Mechanical Engineer, *Hongmei Gu*, Post-Doctorate Research Associate, and *Patricia K. Lebow*, Mathematical Statistician, Forest Products Lab., USDA Forest Service, Madison, WI

3:30–4:00 “Determination of Drying Stresses of Wood Using the Enhanced Digital Image Correlation (EDIC) Technique”

Ohkyung Kwon, Post-Doctoral Research Associate, and *Robert B. Hanna*, Prof., Faculty of Construction Management & Wood Products Engineering, SUNY College of Environmental Science & Forestry, Syracuse, NY

SWST/FPS Technical Forum and SWST Student Poster Competition

Grand Pacific Ballroom, Salons DEF

4:00–5:30

Joint SWST/FPS Host Reception

Grand Pacific Ballroom, Salons ABCDEF

6:30-8:00

Announcement of Student Poster Awards

7:00 pm

Grand Pacific Ballroom, Salons ABCDEF

About the Society

Founded in 1958, the Society of Wood Science and Technology is an internationally recognized professional society with the following purposes:

- ❖ Develop and maintain the unique body of knowledge distinctive to wood science and technology
- ❖ Encourage the communication and use of this knowledge
- ❖ Promote policies and procedures which assure the wise use of wood and wood-based products
- ❖ Assure high standards for professional performance of wood scientists and technologists
- ❖ Foster educational programs at all levels of Wood Science and Technology and further the quality of such programs
- ❖ Represent the profession in public policy development

Accommodations are available at the Newport Beach Marriott, 900 Newport Center Drive, Newport Beach, CA 92660, at the conference rate of \$145 prior to June 10, 2006. Reservations may be made by calling

1-800-228-9290 or 949-640-4000.

Fax: 949-729-3504

<http://marriott.com/property/propertypage/LAXNB> (Group Code: fprfpra)

All reservations must be held with the first nights deposit + tax, or held with a major credit card.

Return by June 1, 2006 to:

Vicki Herian
Executive Director
Society of Wood Science and Technology
One Gifford Pinchot Drive
Madison, WI 53726-2398
Phone: 608-231-9347
Fax: 608-231-9592
Email: vherian@fs.fed.us

Registration Form
49th SWST Annual Convention
June 25, 2006
Newport Beach Marriott
Newport Beach, California

Name _____

Preferred Name for nametag _____
(if different than above)

Title _____

Company _____

Address _____

City _____

State/Province _____ Zip _____

Telephone () _____

Fax () _____

Email _____

Registration Costs*

Before June 1

Members: \$160

Students & Retired: \$50

Nonmembers: \$240

After June 1

Members: \$185

Students & Retired: \$75

Nonmembers: \$265

*Includes refreshments, lunch, and the evening host reception.

Credit Card # _____
(VISA or MasterCard only)

Expiration Date _____

Signature _____

OR

Please make check payable to:

Society of Wood Science and Technology

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The Society of Wood Science &
Technology presents:
A Student Poster Competition!

When: Sunday, June 25, 2006

Where: SWST Annual Convention
Newport Beach Marriott
Grand Pacific Ballroom, Salons D,E,F
Newport Beach, California

Time: Set up poster after 12:00 noon
Judging: 2:00 p.m. - 5:30 p.m.

*Note: Prizes will be awarded at the SWST/FPS Host Reception
Grand Pacific Ballroom, Salons A,B,C,D,E,F, 7:00 p.m.*

Prizes: \$500 First Place
\$250 Second Place
\$125 Third Place

Deadline for Submission: May 1, 2006
Must be SWST Student Member
See enclosed details!

Society of Wood Science and Technology, One Gifford Pinchot Drive
Madison, WI 53726-2398

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2005 George Marra Award Winners

The 2005 George Marra Award Committee has concluded its work. The general opinion of the committee is that both the quantity and quality of the published articles in the Journal have increased notably, making W&FS one of the top journals in the profession.

The unanimous decision was based on multiple evaluations. The committee suggests the allocation of the 2005 George Marra Awards as follows:

First place

Ormarsson, Sigurdur and Dave Cown. 2005. Moisture-related distortion of timber boards of radiata pine: Comparison with Norway spruce. W&FS 37(3):424-436.

Second place

Woo, Kathy L., Paul Watson and Shawn D. Mansfield. 2005. The effects of mountain pine beetle attack on lodgepole pine wood morphology and chemistry: Implications for wood and fiber quality. W&FS 37(1):112-126.

Honorable mentions

Chowdry, Mohammed Jahangir A. and Philip E. Humphrey. 2005. A sealed pressing system and its use to explore the ammonia plasticization of natural fiber mats. W&FS 37(1):42-50.

and

Moutee, Mohssine, Mario Fafard, Yves Fortin and Aziz Laghdir. 2005. Modeling the creep behavior of wood cantilever loaded at free end during drying. W&FS 37(3):521-534.

Please feel free to contact me if you have questions or concerns regarding this issue.

Very truly yours,

Elemer M. Lang
Associate Professor of Wood Science
West Virginia University
Division of Forestry & Natural Resources
206-C Percival Hall
Morgantown, WV 26506-6125
Phone: (304) 293 2941 x2488
Fax: (304) 293 2441
e-mail: elang2@wvu.edu

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POSITION VACANCY ANNOUNCEMENT
Postdoctoral Research Associate
Wood/Polymer Chemistry and Preservation

Location: School of Renewable Natural Resources, LSU Agricultural Center, and LSU Center for Advanced Microstructure and Device (CAMD), Baton Rouge, Louisiana.

Position description: 1) Support ongoing research on developing and testing nanomaterial-based new wood preservatives; and 2) conduct independent research on the subjects of mutual interest in the field of wood chemistry and protection. Specific duty includes a) preparing test chemicals, applying treatments to wood and wood-based composites, conducting laboratory analyses, and managing and analyzing project data; b) developing technical publications and reports from the projects, and c) developing research proposals on the subjects of mutual interests.

Qualifications: Applicant must hold a Ph.D. in Wood/polymer Chemistry, Material Science, or a closely related field. Applicant must be able to work and solve technical problems independently. In-depth knowledge on current wood preservative systems and testing techniques, statistical analysis skills, operation of analytical laboratory equipment (e.g., SEM, XRD, and DSC), and understanding of wet chemical analysis for metal ions (Cu⁺¹ and Cu⁺², etc.) are necessary.

Salary and Benefits: Salary will be commensurate with training and experience. Benefits include retirement, university holidays, earned annual and sick leave and optional group medical, life and supplemental insurances.

Date Available: Upon completion of interview process

Application Deadline: June 30, 2006 or until a suitable applicant is found

Application procedure: Send a letter of application, copies of academic transcripts showing undergraduate and graduate degrees, vitae, and contact information for three references to:

Dr. Qinglin Wu/Dr. Kun Lian
School of Renewable Natural Resources
LSU Agricultural Center
Baton Rouge, LA 70803

e-mail: Wuqing@lsu.edu
phone: (225) 578-8369

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First International Conference on Wood Culture around the Globe

Initiated by Woodlab.org, the First International Conference on Wood Culture around the Globe (ICWC) was held in Harbin China on February 18-19.

A summary of the ICWC, video and audio files of the presentation, and some photos are available at the [website](#):

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Graduate Research Assistantship

Department of Wood Science and Engineering, Oregon State University

We are looking for a Master's student with an interest in Life Cycle Assessment of wood products. The focus of the assistantship will be to develop a life cycle inventory and life cycle impact assessment of preservative treated wood poles. These analyses will develop the environmental performance assessment for the extraction, production, use, and disposal/recycling of preservative treated wood poles. The work will be an extension of ongoing research in developing life cycle assessments and inventories on wood products production and other renewable industrial materials (CORRIM 2005) (<http://www.corrim.org>).

Student should have an interest in life cycle assessment, a background in wood science or related field, and interest in quantitative analyses, wood products production and/or wood preservation. Assistantship includes wages, health coverage, tuition, and other project related expenses.

For more information, contact:

Maureen E. Puettmann, tel 541 737 8506 or Maureen.puettmann@oregonstate.edu

Jeff Morrell tel. 541 737 4222 or Jeff.Morrell@oregonstate.edu

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Forest Products and Utilization Research National Program Leader

USDA, Forest Service, Research & Development
Resource Use Staff
Washington, D.C.

USDA Forest Service will soon be recruiting for a GS-14/15 Forest Products and Utilization Research National Program Leader (FPUR-NPL). The FPUR-NPL is responsible for

providing national leadership and coordination within the Forest Service and with the Department of Agriculture, the White House, Congress, and external interest groups in the development and leadership of the USDA Forest Service's Forest Products and Utilization Research program, and serves as one of the Agency's lead experts on wood science and forest products technology. The FPUR-NPL would provide oversight and make recommendations as to priorities and strategies in support of research programs and activities within forest products and utilization in nine locations throughout the United States with a major part of the program being at the Forest Products Laboratory in Madison, Wisconsin.

Strong candidates for the position will have a mastery of the forest products and utilization technology profession sufficient to: 1) develop new concepts to plan and direct long-range research programs and projects of national significance, and 2) to serve as a nationally recognized consultant and expert in use of wood and wood fiber to produce forest products including energy, recycling, lumber, composite products, wood chemicals, pulp/paper, and effective use of forest biomass. The candidate will be expected to have proven research ability as evidenced by a Ph.D. or through publications in scholarly journals and technical presentations at professional meetings, and a wide breadth of knowledge and experience in wood science and forest products. Evidence of leadership in professional organizations, task forces, committees, and professional groups would be useful.

The position is located in the national headquarters of the Forest Service, Washington, D.C. The salary range is \$91,407 to \$139,774. For further information about the duties and responsibilities of the position, please contact Dr. G. Sam Foster, Staff Director, Resource Valuation and Use Research, at 703-605-4880 or via e-mail at gfoster@fs.fed.us. To request a vacancy announcement when it is available, please contact Ms. Marty Longan via e-mail at mlongan@fs.fed.us. It is anticipated that the vacancy announcement will be posted on OPM's USA Jobs website (www.usajobs.opm.gov) in the summer of 2006.

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Gardner Gives Second Choong Lecture at LSU

Doug Gardner, Professor of Wood Science at the University of Maine, was honored as the second Choong lecturer at Louisiana State University on May 16. The Choong Lecture Series was established to honor the memory of the late Dr. Elvin Choong, who was a long-time professor at LSU. Mike Barnes, Professor of Wood Science at Mississippi State University, was the initial speaker in 2004. Doug presented two lectures at LSU. The lectures were "Standards, Procedures and Guidelines for Accrediting Educational Programs Leading to a Professional Degree in Wood Science and Technology or Forest Products" and "Graduate Certificate in Advanced Engineered Wood Composites." Doug's lectures were warmly received by the faculty, staff, and students at LSU.



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News from Penn State

Hello again, WoodPros!

Nice spring we're having here in State College, hope you can say the same. It's been a while since I bugged you last, so it may be that you're not aware of the many things that are new to WoodPro and the industry in general.

Perhaps the hottest of several hot topics is the fact that one of our largest pallet producers got some unwanted national publicity in the last couple of weeks. ICE Agents Arrest Seven Managers of Nationwide Pallet Company and 1,187 of the Firm's Illegal Alien Employees in 26 States (4-20-06) There has been some pretty good follow-up on the incident, giving us several different viewpoints of the raid: Rounding Up the Usual Suspects (4-28-06); What Was Behind the Big Raid (4-22-06). This unfortunate

development came on the heels of some good news for the pallet industry: European Union Further Delays Debarking Requirement (3-1-06)

If you've been watching our WoodPro TechNotes, you know we've been involved in the "bark-free" pallet issue, thanks to our friends at the NWPCA: Bark-Free Pallets? The Issue Facing the World's Wooden Pallet Industry and we've just posted a new TechNote 2006-3 that summarizes our findings to date: Bark-Free Pallets - A Summary of the Issue

Aside from pallet news, there are a lot of other wood industry events going on out there that address all other facets of the various wood industries...So many, in fact, we found it hard to know about them all and keep up with them. So we've created another WoodPro feature, a **Wood Industry Calendar** that we'll keep up with your help...If you know of an industry event that we don't have posted, let us know and we'll get it posted up.

Wood Energy is hot as well (sorry) and our Penn State 2006 Goddard Forum this year addressed the issue, as well as the various renewable energy alternatives that wood energy has to compete against for support.

And of course, trade debates continue on, although the headlines tell us they're settled...WTO Ends Canada's Quest for Lumber Sanctions on U.S. (4-13-06); U.S. Furniture Makers to Lose Anti-Dumping Dividends (4-06).

Interesting side factoid, in one of our WoodPro 2004 Conference Highlights, Dr. Steve Jablonsky of the Penn State Smeal College of Business, told us that the bedroom furniture anti-dumping tariffs would only remain in place for 18 to 24 months. Let's see...May, 2004 to April, 2006...23 months! And we didn't think we knew what he was talking about!:-)

We've also reorganized our Industry Links page, one of the most popular features on the web site. If we don't have a link to your company web page, and you'd like us to, drop us a note and it will be so. And if you want to see your company highlighted a little better on WoodPro, you can take advantage of a new service and Put your company presence on WoodPro in a way that sends a little more on-line traffic your way.

Our Wood Industry Directory now has contact information for nearly 2800 industry contacts, that you can sort various ways (just click "enable macros" when it asks you).

And we jazzed up our WoodPro Homepage with real wood...let us know what you think!

<http://woodpro.cas.psu.edu/>

Keep watching the web site this summer, we got more new features planned, getting even more hi-tech for your amusement. Also, we'll give you a tour of the new Forest Resources Building here at Penn State, it's an eye-opener.

<http://www.sfr.cas.psu.edu/AboutSFR/Building/>

We don't get many chances to thank you all for your patronage...so, thanks!
It's nice to have your support and interaction to keep this place interesting.

For your WoodPro team at Penn State,

Chuck

Chuck Ray, Ph.D.
Assistant Professor, Wood Products Operations
School of Forest Resources
The Pennsylvania State University
University Park, PA 16802
Office: 814-865-0679
Fax: 814-863-7193
Email: cdr14@psu.edu
On the Web: <http://woodpro.cas.psu.edu>

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INTERFOB 2006

It's our great pleasure to inform you that INTERFOB 2006 for the first time is going to be in Slovenia. INTERFOB (fra. INTERnationale FORMation du Bois) is an annual European meeting of students of wood science and related fields. We want Interfob to become a worldwide meeting. That why we also invite schools from outside Europe.

The meeting, the 19th, will be held from 23-27 October 2006 at the Krim Hotel in Bled. Further information is available at <http://www.interfob2006.com>.

During the five day programme the participants shall have the opportunity to learn how Slovenian wood industry and its related companies are functioning, and acquire to new knowledge at specialized lectures. If you have any questions please send an email to: info@interfob2006.com.

Thank you for your attention, with Best Regards, the Interfob 2006 team

Wood Science Promotion Association
University of Ljubljana, Biotechnical Faculty
Department of Wood Science and Technology
Rozna dolina, Cesta VIII/34
SI - 1000 Ljubljana

Web: www.interfob2006.com
E-mail: info@interfob2006.com

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New Dry Kiln Books Available

In January, 2006 professional engineer Ed Smith published two books about wood drying technology. The first book "Dry Kiln Design Manual" is the first and only book ever published by a professional engineer and introduces the reader to basic information needed for designing, maintaining, and operating successful wood drying systems. The second book "Fundamentals of Wood Drying and Energy Conversion Technologies" is an expanded version of the Dry Kiln Design Manual and includes information about energy conversion technologies associated with wood drying systems. Both books include lists of national safety codes and standards and lists of industry and OEM organizations. Go to www.jesmitheng.com/ to learn more about the books and how to order them.

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FPS Meeting 2007 Date Change

There has been a change to the date for the 2007 FPS International Convention, which will be held in Knoxville, Tennessee. This decision was made in order to schedule this event concurrently with the 2007 Nanotechnology Conference, which will also be held in Knoxville. FPS will be partnering with TAPPI on this event! The dates for the 61st International Convention will be June 10-June 13. The dates for the Nanotechnology Conference will be June 13-June 15.

The SWST annual meeting will be held June 10.

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SWST Committee Reports

Policy & Critical Issues Committee

The committee members are: Bill Boehner (Chair), Chip Frazier (Vice Chair), Tom McLain, Howard Rosen, Quinglin Wu, Mike Wolcott, Paul McFarlane, Steve Shaler (Past Chair), Don Bender (SWST Board Liaison)

The committee received two tasks for 2005-2006:

1. Prepare an advocacy policy position paper on the CORRIM Report and the need to conserve energy by using wood.

2. Work with the Research Initiatives Committee to formulate a strategy and represent the Society at the National Association of University Forest Resources Programs in early January 2006.

Progress

The CORRIM position paper was written by Bruce Lippke and presented to the SWST Board at the spring meeting on April 1st. The position statement has been reviewed by two SWST members closely associated with CORRIM – Jim Wilson and Jim Bowyer. The Board requested a few changes and the document is being revised by Bruce.

The NAUFRP meeting addressed the subject of a forest-based research agenda for the 21st century: Defining Strategic Directions and Rebuilding Capacity Summit. This organization consists mostly of people concerned with land and resource management and expected outcomes were stated as:

1. Define new forest-based knowledge and science needed to advance the health of forests and the competitive position of the nation;
2. Define the new knowledge, skills, and qualities needed in the next generation of natural resource research scientists to address emerging new issues and to rebuild and sustain excellent forest research capacity;
3. Recommend an effective and progressive funding allocation model to ensure support for high priority research, and the development of the needed intellectual capacity and infrastructure.

Although 100 people were invited to attend this summit, representatives from wood science and technology programs or the forest products industry were not included. Mike Wolcott, Chair of the Research Initiatives Committee communicated the SWST position on each of the three items above to potential SWST attendees to the NAUFRP summit. The forest resources program leads were informed in order to get further support at the summit. Mike continued discussions with the NAUFRP leaders to ensure utilization topics were included in the summit. SWST members Tom McLain, Doug Gardner, and Paul Smith attended the NAUFRP meeting and presented our message. They had a small impact on the outcome which can be seen in the NAUFRP summary document at www.napfsc.org (follow the link to forest research for the 21st century).

Membership Committee

Chair: Susan E. Anagnost

Vice Chair: Crystal Pilon

Committee members: Xiaoqui Zuo, Run-Cang Sun, Hongmei GU

A draft Membership Survey was prepared by Susan Anagnost and sent to the Executive Board for review at the April meeting. The survey addresses the services SWST provides for its members and the possibilities for new services to be offered. At the direction of the Executive Board it will be sent to all members in 2006. A draft student conversion letter was prepared for review and action by the Executive Board. New membership applications were processed by the Vice Chair, Crystal Pilon. The status of the new members will be presented at the Annual Meeting.

Visiting Scientist Committee

- In January 2005, all the potential scientists on the visiting scientist committee list were contacted by the e-mail, and asked to update their information on the list and nominating persons who might be interested but not on the current potential list. Then it was updated according to the response. The e-mail was also sent to the SWST full-members list to solicit more participation within the society.
- In March 2005, the contact list for department heads/deans/directors from schools, institutes or organizations who are interested in participating in the program was updated.
- In March 2005, an e-mail to invite the participation of the interested schools, institutes and government was sent to the heads of these organizations.
- The deadline for submitting the visiting scientist travel grant is postponed to April 15th.
- In May, we received a request from Dr. Eva Haviarova (Purdue University) for travel funding to Costa Rica on 04/27—05/04, 2005. The committee approved her proposal and funded her \$950 for travel expenses.
- In July, a letter was prepared by past VSP Chair Dr. Hongmei Gu and Board Liaison Dr. Jerry Winandy, and then sent out by President Paul Smith to all SWST members to encourage them participating in SWST VSP activities through submitting applications.
- In October, the committee approved and funded the travel request from Dr. Jerry Winandy (FPL/USDA Forest Service) visiting FPL/MSU on 10/10 – 10/12, 2005. The final total claimed expense is \$478.45.
- In September, Jilei Zhang (Miss. State) starts to serve as VSP Chair, and Nicole Brown (Penn State) as VSP Vice Chair. Past Chair is Hong-Mei Gu (FPL/USDA). Other members are Siqun Wang (U. Tenn.), Barb Gartner (Oregon State), Slobodan Bradic (UBC), and Ben Dawson-Andoh (WVU). Board Liaison is Jerry Winandy (FPL/USDA).
- In October 20, President Paul Smith's letter was sent out to all SWST members, and encourages members to submit applications to VSP to advantage of the opportunity for international and national visits to exchange research and teaching ideas with colleagues.
- In December, per SWST Exec. Board request to update the Visiting Scientist eligibility list, VSP committee completed the task with updating current member information and also adding new members to the list. There are 50 members on the [updated list](#).

Accreditation Committee

We currently do not have a 2006 Committee report because we are wrestling with several issues related to how SWST accreditation should be enhanced over the next few years. SWST needs to consider the following:

- (1) Should SWST offer accreditation to Canadian undergraduate wood science programs?

(2) Should SWST accredit minors in wood science? If so, what should be the standards?

(3) How should SWST respond to the changing/expanding scope of previously accredited programs? A good example of this expanding scope (and one with which we will soon need to deal) is the Department of Bio-based Products at the University of Minnesota. As described in the accompanying document, this program has widened its scope from wood to bio-based products. Other programs are implementing or planning similar changes in scope.

(4) How should we accredit wood product marketing and management (“business”) curricula. Several programs are responding to market pressure to include more business courses in these curricula. Given capped and even decreasing maximums for total credit hours, additional courses in business areas necessarily come at the expense of previously required courses.

The SWST Accreditation Committee will meet to discuss these issues at its June 24-25th meetings in Newport Beach CA.

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SWST Snapshot

Membership			
Full members	270	Affiliate members	4
Student members	42	Total members	360
Retired members	44	W&FS Subscribers	199
Financial			
Three Vanguard funds (12/31/05)	\$54,878.01	Vanguard Index fund (Student poster money)	\$13,316.47
CD Balance (12/31/05)	\$51,101.05	Checking Account (06/01/06)	\$162,481.01
Volume 38 of Wood and Fiber Science (as of May)			
	Technical Papers	Technical Pages	Total Pages
January	18	182	188

April	17	187	188
July (in press)	17	186	188
Total	52	555	564
Under review	34	Web Page	May
With authors (revision)	27	Number of unique visitors	592
Accepted (in press)	14	Number of new visitors	259
Withdrawn	4	Pages viewed	1523
Rejected	2	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

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List of Potential SWST Visiting Scientists for 2005/2006

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.

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.

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.

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.

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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.

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.

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.

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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.

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.

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.

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

Specialty: Forest products marketing; Professional sales in the forest products industry;

Markets for wood in the U.S. infrastructure; Markets and perceptions of timber by engineers.

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

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

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

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.

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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.

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.

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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.

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.

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

Specialty: Material science.

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

Will Discuss Informally: Durability and weathering of forest products.

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

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

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

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

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

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

Specialty: Furniture engineering.

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

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

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