

SWST Newsletter

~ December 2008 ~



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

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CALL FOR POSTER PRESENTATIONS
FOREST PRODUCTS SOCIETY
63RD INTERNATIONAL CONVENTION

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

A poster session consists of a number of simultaneous presentations by individuals who are assigned a “booth” space (similar to a typical exhibit booth) in a large meeting room. Each space contains a 4- by 8-foot posterboard on which an abstract, key points, conclusions, charts, and tables or diagrams are posted. A small table is provided for display of preprints or samples related to the presentation.

During a poster session, attendees browse among the presentations and speak directly with the presenters. Poster presentations are informal, conversational, and highly conducive to the interchange of information between audience and presenter.

Subject areas for poster presentations include:

- _ Composites and Manufactured Products
- _ Fundamental Disciplines
- _ Management
- _ Processes
- _ Solid Wood Products
- _ Wood Engineering

Poster Presentations are a primary means of disseminating technical information at the International Convention. Individuals interested in giving a poster presentation must submit a Poster Presentation Request Form. Requests will be accepted until ballroom capacity is reached. Detailed information and guidelines for preparing a poster presentation will be sent via e-mail to each presenter. You may submit a Poster Presentation Request Form electronically by visiting the convention web page at <http://www.forestprod.org/confic09.html>. Or contact the Conferences & Meetings Department at 608-231-1361, ext. 208 or conferences@forestprod.org.

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INTERNATIONAL CONFERENCE ON WOOD ADHESIVES 2009
September 28-30, 2009

Harveys Resort Hotel & Casino, South Lake Tahoe, Nevada, USA

The ninth in a series of conferences sponsored every 4-5 years by the USDA Forest Service, Forest Products Laboratory and Forest Products Society designed to provide a comprehensive update of the science and technology of wood adhesives and bonded wood products. The conference will be held in conjunction with ASTM International D 14.30 Wood Adhesives Subcommittee on October 1, 2009. Information transfer during the 3-day conference will take place via plenary, technical and poster presentations, and tabletop exhibits on the following subject areas:

- Formaldehyde and environmental issues • Biobased adhesives
- Resin chemistry • Analytical methods
- Composites • Engineered wood structures
- Modeling • Other topics

This conference is sponsored by the USDA Forest Service, Forest Products Laboratory and Forest Products Society. To submit a formal presentation or poster abstract electronically, or for the most recent information on the program, please visit FPS online at www.forestprod.org/confadhesives09.html.

Paper abstracts due December 15, 2008

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INTERNATIONAL CONFERENCE ON WOODY BIOMASS UTILIZATION

August 4-5, 2009

Bost Conference Center
Mississippi State University
Starkville, Mississippi, USA

Sponsored by Mississippi State University and Forest Products Society

Please join us for this important international conference on woody biomass utilization. The purpose of this 2-day conference is to provide information on the utilization of woody biomass and emerging technologies and processes that can provide boost to the economy through the production of jobs and markets. The conference will focus on successes worldwide, challenges in markets ranging from local markets to world markets, and the benefits to the environment.

This conference will be of direct benefit to:

- Management/operations personnel
- R&D personnel
- Vendors of woody biomass harvesting and conversion equipment
- Consultants to the woody biomass industry
- Energy associations
- Government, education, and extension personnel involved in woody biomass education and research

- Buyers/purchasers of woody biomass

An international slate of speakers – including researchers, material and equipment suppliers, manufacturers, and end-users – will discuss the state-of-the-art of woody biomass utilization. The conference will feature technical and poster presentations, discussions, and tabletop exhibits.

To submit a formal presentation or poster abstract electronically, or for the most recent information on the program, please visit FPS online at www.forestprod.org/confbiomass09.html.

Paper abstracts due January 16, 2009

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WHAT DOES THE NEW CARB RULE MEAN FOR WOOD PRODUCTS MANUFACTURERS?

WEBINAR ANNOUNCEMENT (FREE to Forest Products Society members)

December 16, 2008, 10:30 AM - 12:00 PM Central California's 2009 Formaldehyde Regulations:

The December 16 Webinar on California's 2009 formaldehyde emissions is an opportunity to introduce FPS to potential new members. This webinar was developed by the Upper Mississippi Valley and Midwest Sections to encourage new members to join, since the webinar will be free to all FPS members. Please forward this announcement to your contacts with a personal request for joining FPS.

We are proud to announce a Forest Products Society WEBINAR focused on helping wood products manufacturers understand the new 2009 California formaldehyde emission regulations. This webinar will feature a presentation from John Bradfield from the Composite Panel Association, who will provide background and an overview on this topic. Denise Van Valkenburg of the Masco Retail Cabinet Group will present information focused on how a secondary wood products manufacturer has addressed the CARB rule and strategies for other companies to consider.

The Forest Products Society's mission is to foster innovation and research in the environmentally sound processing and use of wood and fiber resources by disseminating information and providing forums for networking and the exchange of knowledge. We hope that you will consider a membership in this Society. For information on FPS membership or to join, please visit <http://www.forestprod.org/FPSMemberBenefits.pdf> or <https://secure.forestprod.org/onlineforms/newmemapp.php> For more information and to register for the webinar, please visit <http://www.forestprod.org/december16webinar.pdf>.

Sincerely,

Brian Brashaw and Xiping Wang
Chair, Forest Products Society - Upper Mississippi Valley Section Chair, Forest Products Society
- Midwest Section

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PLEASE TELL YOUR DEAN: AF&PA 2009 DEANS' TOUR

Wednesday, January 14, through Friday, January 16, 2009

Amelia Island Plantation Resort
Amelia Island, FL

We are pleased to invite you to the 2009 AF&PA Deans' Tour: "Emerging Issues and Forestry Research." The event will be held January 14-16, 2009, at Amelia Island Plantation Resort in Florida.

Please visit the Deans' Tour Website

<http://www.afandpa.org/Template.cfm?Section=Events2&template=/Conference/ConferenceDescription.cfm&ConferenceID=566> to register for the event, find hotel information, and view the draft agenda.

The event is held every two years to provide the nation's natural resource deans and department heads, and other forestry research partners, an opportunity to explore how science and technology are advancing the practice of sustainable forestry in the U.S. The agenda will explore emerging issues, such as bioenergy and climate change, examine the research that is needed in those areas, and highlight where forestry research partners are headed in the future. The program will feature speakers from the forest products industry, universities, federal agencies, and environmental organizations.

The event is hosted by Rayonier and will include an all-day field trip to visit facilities and research sites operated by Rayonier and the Florida Division of Forestry

AF&PA hopes that this meeting will focus attention on the importance of science in modern forest management and the essential links among landowners, manufacturers, universities, and government agencies. This is also an opportunity to benefit from one-to-one contact with your research colleagues from the forestry sector.

We look forward to seeing you in Florida!

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THE 3RD INTERNATIONAL FLOORING CONFERENCE IN CHINA,

March 26 2009, in conjunction with the Changzhou International Floor Expo on March 25-28, 2009 in Henglin Town, Changzhou City, China.

Contact is Mr. S. Wu, email: shengfuw@163.com

Over the past years, the whole world witnessed a booming development in Cina's wood and bamboo floor industry which attracted many buyers and investors for their successful business. This conference will gather high-profile professionals, speakers and visitors from all over the world, mainly discussing the current and future outlook for the flooring production, technology, import/export and investment opportunities.

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WOOD EDUCATION AND RESOURCE CENTER LAUNCHES NEW ONLINE TRAINING INFORMATION EXCHANGE SYSTEM

The U.S. Forest Service Wood Education and Resource Center has created a new training information exchange Web site called HONE!. People seeking training in the wood products industries can use this Web site to search the course catalog or be notified automatically by e-mail about courses that fit their personalized search criteria as new courses are added. The HONE! Web site address is www.honeonline.info.

Wood Education and Resource Center Director Steve Milauskas said, "Forest products industries operate in an increasingly competitive environment. While training is rapidly becoming a survival strategy for many, finding appropriate instruction can be a cumbersome and frustrating process. Our goal with HONE! is to make it convenient for those seeking out education opportunities anywhere in the United States to easily identify opportunities, and for providers to readily get the word out about their programs. All that is required for both consumers and providers of training and continuing education programs to access HONE!, is to logon and register with the site—it's just that simple."

Program providers are encouraged to register on the HONE! Web site, then post teaching opportunities such as workshops, short courses, seminars, conferences, and continuing education and training programs.

The HONE! training information exchange system offers benefits for both training participants and providers, including:

An automatic e-mail system that notifies participants about offerings that meet specific education requirements

An easy-to-use registration process

The ability to easily browse the course catalog, and filter programs by topic, location, and dates

The ability for course providers to quickly gauge industry needs

A community forum to discuss training and training needs with others (both participants and providers)

A personalized “My Page” space to save program descriptions and other information for future reference

The system provides participants with a single, timely source for education programs; a simplified process for planning and scheduling training; and the ability to contact providers about instructional offerings and additional information.

This system also benefits instructors by providing:

An editable, easy-to-use system for posting program descriptions

An ability to reach potential participants nationally and across industry groups

Simplified access to program information and descriptions

Site metrics related to information posted to the Web site by each provider

For additional information, logon to the Web site or contact the HONE! Web site Administrator by calling (563) 652-5104 or sending an e-mail to woodtraining@gmail.com.

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43RD INTERNATIONAL WOOD COMPOSITES SYMPOSIUM AND TECHNICAL WORKSHOP

March 30-April 1, 2009 Red Lion Hotel on Fifth Avenue, Seattle Washington USA
www.woodsymposium.wsu.edu download flyer Symposium March 31-April 1 Keynote Speaker
Wolf-Gerd Dieffenbacher

Wolf-Gerd Dieffenbacher is President and CEO of Dieffenbacher GmbH + Co. KG, with headquarters located in Eppingen, Germany. The Dieffenbacher group consists of 18 companies worldwide, with annual sales in excess of 400 million (\$US). The company provides innovative press lines and process technology for the composite panel, automotive, plastics, and components industries. The agenda for the two-day Symposium will feature sessions on Life Cycle Assessment, Adhesive Developments, and Product and Process Improvement.

Also Featuring Technical Workshop March 30 Natural Fibers: Their Role in the Carbon Economy The Food and Agriculture Organization of the United Nations has designated 2009 as the “International Year of Natural Fibers” to raise awareness of natural fibers, to promote efficiency and sustainability of natural fibers, and to foster an effective international partnership among the various natural fibers industries.

Keynote Speaker James Holbery is Scientist/Principal Investigator in the Energy and Environment Directorate, Pacific Northwest National Laboratory, Richland, Washington. Dr. Holbery is a recognized expert in energy harvesting and lightweight materials. He is actively involved in the development of natural fiber processing and surface modification techniques, long fiber predictive engineering, and natural fiber reinforced composites.

The role of natural fibers in the carbon economy is rapidly growing, both literally and figuratively. Those in control of the growth, processing, and/or utilization of natural fiber materials will have a distinct advantage in global businesses worldwide. The potential and challenges for the efficient use of natural fibers will be discussed as it relates to the utilization of

biomass through biorefinery products and natural fiber composites manufacturing. This workshop will also discuss the role of bioenergy in manufacturing operations and guide forest and land management strategies.

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WOOD/PLASTIC MEETING IN MADISON

Exhibit space is available at the *10th International Conference on Wood & Biofiber Plastic Composites*, May 11-12, 2009, Madison, Wisconsin, USA. If you'd like to reserve exhibit space, visit the Forest Products Society at <http://www.forestprod.org/composites09exhibits.html>. Sponsorship opportunities are also available for special recognition during the conference. Conference literature will include sponsor logos. Various levels of sponsorship are available. For information on sponsorship, please visit <http://www.forestprod.org/composites09sponsorship.html>.

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4TH EUROPEAN CONFERENCE ON WOOD MODIFICATION

April 27-29 2009, Stockholm, Sweden

Dear Colleague,

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

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

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

With kind regards

Mats Westin
Chairman of the local organising committee

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WOODY BIOMASS UTILIZATION CONFERENCE

We are inviting formal and poster presentations for the International Conference on Woody Biomass Utilization, August 4-5, 2009, Bost Conference Center, Mississippi State University,

Starkville, Mississippi, USA. If you'd like to submit a formal and/or poster presentation, or request information on the conference, click on the picture below or visit the Forest Products Society at <http://www.forestprod.org/confbiomass09.html>.

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MEETING ANNOUNCEMENT: UNLOCKING THE POTENTIAL OF NANO-ENABLED BIOMATERIALS

23-26 June 2009 _ Edmonton, Alberta, Canada

The [2009 International Conference on Nanotechnology for the Forest Products Industry](#) is now accepting submissions for presentations and posters from industry, academia, government and other organizations. This year's event includes expanded sessions on nanocomposites, nano-enabled biomaterials, and new generation bioproducts.

Submissions are also welcome on new perspectives on global opportunities, challenges and trends, as well as in areas including law, policy, economics, and environmental health and safety.

View the [Call for Papers](#)

This annual, internationally recognized event brings together leading researchers, industry experts, government representatives and other stakeholders to share advances, perspectives and discuss new ideas and breakthrough concepts on nanotechnology-based advances in the forest products and related industries. Don't miss this exciting opportunity!

View the Call for Papers for more details or visit www.tappi.org/09nano.

For additional information about the symposium, contact TAPPI Member Services at 1-800-332-8686 (USA), 1-800-446-9431 (Canada), or +1-770-446-1400 (international) or visit www.tappi.org.

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2ND INTERNATIONAL CONFERENCE ON HARDWOOD PROCESSING

In September 2007 was held in Quebec City, Canada, the first international scientific conference on hardwood processing. This conference gathered more than a hundred people from ten different countries.

The second edition of this international conference will take place in **PARIS (France) September 28th and 29th, 2009**. A post conference tour will also be organized on September 30th under the theme "wood and culture heritage" bringing the participants to different famous places in Paris. Forest based and furniture sectors are concerned. International experts, scientists and representatives from the industries are invited to participate to share scientific knowledge and innovation in the fields of hardwood processing.

Please visit the web site

http://www.fcba.fr////////ischp/ISCHP%20site%20anglais/ischp_anglais/ischp.ca/index07.html

Best regards.

Frédéric Rouger

FCBA Research Director

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7TH INTERNATIONAL CONFERENCE “WOOD SCIENCE AND ENGINEERING IN THE THIRD MILLENNIUM” – ICWSE 2009

We are pleased to announce that the website of the 7th International Conference “Wood Science and Engineering in the Third Millennium” – ICWSE 2009 is now open

(http://www.unitbv.ro/il/ICWSE2009/conference_topics.htm).

The website offers information on the conference program, deadlines and registration fee as well as the Pre-Registration Form. Please remember that the deadline for pre-registering is 15 January 2009.

Hoping for a positive reply, we look forward to your answer and hope also to have you as guest at this special event in June 2009.

Sincerely,
Prof. Mihai ISPAS
Conference coordinator

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ASSOCIATE DEAN FOR RESEARCH AND EXTENSION

The College of Natural Resources at North Carolina State University invites applications and nominations for its position of Associate Dean for Research and Extension.

Responsibilities: The Associate Dean is expected to provide dynamic leadership in achieving CNR's goal of excellence in research and extension scholarship and to foster innovative ideas for enhancing research and extension scholarship opportunities. The successful candidate will oversee the CNR Research Office, including pre- and post-award administration. He/She will build and maintain successful relationships with a variety of external stakeholders and provides leadership on a variety of college-wide initiatives. The successful candidate is also expected to foster a climate supportive of innovative collaboration among CNR faculty and its external partners. He/She represents the college on research and extension matters in university, state, national and international venues and assists the Dean on other matters. We are looking for an energetic and skilled individual who can provide direction in growing and enhancing the reputation of the college's research and extension programs.

Qualifications: The successful candidate must:

- Have earned a PhD in a natural resources-related field, with scholarly accomplishments appropriate for the rank of Professor.
- Have a record of administrative and management experience.
- Have experience with a variety of funding agencies, including federal, state, private industry and foundations.
- Have demonstrated the ability to build and lead teams.
- Have excellent communication and interpersonal skills.
- Be familiar or show the ability to quickly become familiar with managing research expenditures.
- In addition, candidates with the following qualifications will be preferred:
 - Knowledge of intellectual property policies and procedures.
 - Working knowledge of development and fundraising.
 - Experience with or appreciation of Land Grant Universities

About the College: The College of Natural Resources is organized in three departments – Forestry & Environmental Resources; Parks, Recreation & Tourism Management; and Wood & Paper Science – which provide a strongly integrative, multidisciplinary approach to the study of national and global natural resources issues. The more than 200 faculty and staff of the college include biologists, chemists, engineers, economists, policy specialists, and social scientists working to ensure the sustainable use of our natural resources. Approximately 240 graduate and

1150 undergraduate students participate in our world-renowned programs in forest genetics, forest nutrition, tropical forest conservation and utilization, forest biotechnology, fisheries and wildlife science, wood and paper science and engineering, recreational resource management and natural resource policy and economics, as well as newly created programs in environmental technology, professional golf and sport management, geographic information science and sustainable tourism. In the last fiscal year, approximately \$10 million in external funds were secured by College of Natural Resources faculty. Vibrant extension and outreach programs exist within each of the three departments. More detailed information about the college can be found at <http://cnr.ncsu.edu/>.

About NC State University: Founded in 1887, North Carolina State University (NC State) is a Land Grant university and is the largest university in the State, with almost 32,000 students and 8,000 faculty and staff. NC State consistently ranks nationally among the top public universities and best higher-education values. For information about employment at NC State, please see <http://www.fis.ncsu.edu/hr/employment/resources/>.

About Raleigh and the Research Triangle: NC State University anchors the Research Triangle region, home of many of the country's leading Fortune 500 technology, research, and pharmaceutical companies, as well as other fine universities, with whom we share uniquely collaborative relationships. National rankings consistently rate Raleigh and its surrounding region among the five best places in the country to live and work, with a highly educated workforce, moderate weather, reasonable cost of living, and a welcoming environment. Raleigh is situated in a lovely part of the state, with the Atlantic Ocean two hours to the east, and the Blue Ridge Mountains three hours to the west.

Screening of applications will begin *January 9, 2009* and applications will continue to be accepted until the position is filled. All applications must be submitted online at <http://jobs.ncsu.edu> (position # **EPV 05-64-0804**). On the site you will be asked to complete an EPA profile and attach a current curriculum vitae, a cover letter describing your interest in the position and the names and contact information for at least four references. Inquiries should be directed to Barry Goldfarb (Chair, Search and Screen Committee) at (919) 515-4471 or barry_goldfarb@ncsu.edu, Dept. Of Forestry and Environmental Resources, Campus Box 8008, NC State University, Raleigh, NC 27695-8008. NC State University is an equal opportunity/affirmative action employer. NC State University welcomes all persons without regard to sexual orientation. The University is responsive to the needs of dual career couples. Individuals with disabilities desiring accommodations in the applications process should contact Robin Hughes, robin_hughes@ncsu.edu ph: (919) 515-2883 fax: (919) 515-7231. Proper documentation of identity and employability in the United States will be required.

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GRADUATE RESEARCH ASSISTANTSHIP

ROTARY DRUM BLENDING USING DISCRETE ELEMENT MODELING

The Wood Composites Group at UBC has an immediate full-time graduate research Masters (M.Sc., M.A.Sc.) or Doctoral assistantship to aid in the further development of a 3D model of the rotary drum blending process. The thesis work will revolve around the simulation of strand tumbling, investigation of various tumbling modes, interaction of the strands with atomizer booms and flights, and development of resination strategies using a commercial DEM software package. Simulation results will be compared with laboratory and pilot plant scale blender trials. The ideal candidate will possess a good academic record and have excellent analytical skills and experience in primary or wood processing, numerical simulation, materials, mechanical, or chemical engineering, or related fields. The position is open to both Canadian and international candidates. This assistantship is funded by the member companies of the Wood Based Composites Center.

Interested persons should contact me by email with a copy of their CV attached by December 15, 2008. All candidates applying to the UBC must follow the application instructions provided at: <http://www.forestry.ubc.ca/programs/grad/HowToApply.html>.

In order to evaluate your application quickly, it is important to initiate the application process through the above webpage as soon as possible.

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Gregory D. Smith, Dr. sc. techn., P.Eng., F.I.W.Sc.
Associate Professor

Department of Wood Science
Forest Sciences Centre
2935-2424 Main Mall
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Vancouver, B.C. Canada V6T 1Z4

Tel: (604) 822-0081 Fax: (604) 822 9159
E-mail: greg.smith@ubc.ca

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FOREST BIOPRODUCTS NSF-REU PROGRAM AT UMAINE FOR THE SUMMER 2009

We are looking for wood science, materials and related major students interested in the Forest Bioproducts NSF-REU program at UMaine for the summer 2009. The 10 week research experience and the pay are great! Maine is a wonderful place to spend the summer. See website link: <http://www.forestbioproducts.umaine.edu/reu.php>

Please forward to potential students. Thanks!

Cheers,

Doug Gardner

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PH.D. RESEARCH ASSISTANTSHIP AT UBC

The Wood Physics and Drying Group at the UBC-Department of Wood Science has an immediate Ph.D. opening in modeling wood-water relationships with emphasis in wood drying. This comes with a full-time Graduate Research Assistantship (GRA) for one year that is renewable for up to three years upon satisfactory progress.

The successful candidate should have a M.Sc. or M.A.Sc. degree in Wood Science, Material Science or Engineering (Chem or Mech) with relevant experience and good science background. Please be advised that UBC requires TOEFL (for ESL candidates) but not GRE scores. Details can be obtained online from

<http://wood.ubc.ca/Programs/GraduateProgram/tabid/954/Default.aspx>

Interested persons please contact:

Dr. Stavros Avramidis, FIWSc, FIAWS
Professor
Department of Wood Science
The University of British Columbia
2424 Main Mall
Vancouver, BC, V6T1Z4
Canada

tel: +1 604 8226153

fax: +1 604 8229159

email: stavros.avramidis@ubc.ca

web: wood.ubc.ca

www.forestry.ubc.ca/drywood

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GRADUATE RESEARCH ASSISTANT POSITIONS AT OREGON STATE

Wood Science & Engineering
Oregon State University

If you are interested in studying for an MS or PhD in the breadth of fields included in our program, the following opportunities are available beginning in the fall of 2009.

National Needs Fellowships – Forest Resources Utilization and Advanced Forest-based Products Marketing

Three MS positions. Candidates should be US citizens and interested in bio-based composites/material science and/or product development and commercialization. Students from traditionally underrepresented groups are encouraged to apply. Faculty Contacts: [Lech Muszyński](#), [Fred Kamke](#), [Chris Knowles](#), and [Eric Hansen](#)

Forest Sector Innovation Management

MS or PhD position. Candidates should be interested in innovativeness, new product development, and industry competitiveness. Faculty Contact: [Eric Hansen](#)

Forest Products Branding Strategies

MS position. Candidates should be interested in branding and the exploring the development of local markets for structural building products. Faculty Contact: [Chris Knowles](#)

Composite Manufacturing Design Concepts

MS position. Candidate should be interested in material testing and composite manufacture. Faculty Contact: [Fred Kamke](#)

Bio-based Composites

M.S. or Ph.D. level. Candidates should be interested in advanced bio-based composites and have a background in: wood science/forest products, civil engineering, materials (polymer) science/engineering, composites, chemical engineering (with a strong interest in polymers and/or adhesion) or related fields. Students with other technical backgrounds and strong interest in optics, digital image analysis, computed tomography (CT), FEM programming are also encouraged to apply. Dual majors with the departments of Civil or Mechanical Engineering

(Material Sciences Program) are available. Faculty contact: [Lech Muszyński](#)

Wood Drying and Moisture Relations

M.S. or Ph.D. level. Candidates should be interested in how water interacts with wood during drying or when wood is used in service. Faculty contact: [Mike Milota](#)

Formaldehyde-free Wood Adhesives and Bio-based Composites

M.S. or Ph.D. level. Candidates should be interested in development and evaluation of formaldehyde-free wood adhesives and novel bio-based composites Faculty contact: [Kaichang Li](#)

Timber Engineering / Mechanics

MS positions. Interested Candidate with BS in Civil/Structural Engineering are needed to work on: (1) Wave Loading on Wood Frame Structures, and (2) Bending Characteristics of Wood Utility Poles. Faculty Contact: [Rakesh Gupta](#)

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GRADUATE RESEARCH FELLOWSHIP (M.SC.) IN WOOD PRODUCTS MANUFACTURING

The Purdue University Department of Forestry and Natural Resources, Wood Research Laboratory (<http://www.agriculture.purdue.edu/fnr/woodresearch/index.htm>) is offering graduate research fellowship for Master of Science degree with an emphasis in Wood Products Manufacturing. The research area will depend on the interests of the successful candidate and faculty mentor.

Well-developed oral and written communication skills are desired and the ability to work cooperatively with others is required. Tuition will be waived and competitive stipend will be provided. Applicants should possess a B.Sc. in Wood Products or related field. Minimum admission requirements can be found here:

<http://www.fnr.purdue.edu/students/graduate/admissions.shtml>.

To apply or seek more information, please send a letter of interest, unofficial transcripts, resume,

GRE and TOEFL via email to Professor Rado Gazo (gazo@purdue.edu).

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51ST SWST ANNUAL CONVENTION MINUTES

November 11, 2008
Universidad del Bío-Bío
Concepción, Chile

1:00 – 2:00 pm
Auditorium
Business Meeting

Award Presentations

George Marra Awards

First Place --- Russell J. Chedgy, Paul I. Morris, Young Woon Lim, and Colette Breuil, “Black stain of western red cedar (*Thuja plicata* donn) by *Aureobasidium pullulans*: The role of weathering”, published in 39(3).

Second Place --- Lori Elkins, Jeffrey J. Morrell, and Robert J. Leichti, “Establishing a through-boring pattern for utility poles”, published in 39(4).

Honorable Mention --- Erin N. Anderson, Robert J. Leichti, Edward G. Sutt, Jr., and David V. Rosowsky, “Sheathing nail bending-yield stress: Effect on cyclic performance of wood shear walls”, published in 39(4).

2007-2008 committee members were: Chair Ron Anthony, Tom Eberhardt, Lech Muszynski, and Paul Cooper.

Fellow Award

Robert W. Rice

Distinguished Service Award

Alan A. Marra – Presentation given by Douglas Gardner “We Don’t Make Wood, We Make Wood Better”.

Student Poster Competition Award

First Place – Gloria Oporto, University of Maine, “Production and testing of wood plastic composites manufactured from hot water extracted wood”

Second Place – Sandeep S. Nair, University of Tennessee, “Evaluation of interphase properties in fiber reinforced polymer composite using atomic force acoustic microscopy (AFAM)”

Third Place – Zanin Kavazovic, Universite Laval, “Sensitivity study of a numerical model of heat and mass transfer involved during the MDF hot pressing process”

The other participants in the competition and their posters were:

Oluwatosin Emmanuel Adedipe, West Virginia University, “Prediction of yellow-poplar (*Liriodendron tulipifera*) veneer stiffness and bulk density using NIR spectroscopy and multivariate calibration”

Tobias Biechele, University of Freiburg, “Growth stress in *Eucalyptus nitens* at different stages of development”

Daniel Fuentealba, Universite Laval, “Characterization of birch (*Betula papyrifera* Marsh.) wood discoloration during drying”

Victor Gaete-Martinez, University of Maine, “Effect of strand geometrical distribution (SGD) in oriented strand composite (OSC) formation quality”

Maria Manso Martin, University of Freiburg, “Wood properties of *Nothofagus betuloides*”

Denny Ohnesorge, University of Freiburg, “Influence of different gluing factors on the bonding performance of glued laminated timber from European beech”

The judges for the competition were: Jim Armstrong, Chair, Sue Anagnost, William Gacitua, and Russell Chedgy.

Travel grants were awarded to 7 of the 9 students who participated.

Minutes of 2007 Annual Convention - Published in August 2007 Newsletter. A motion was made, seconded and passed to accept the 2007 Annual Convention Minutes.

President’s Remarks – Jim Armstrong

Jim thanked the Board members who had worked with him during the year. He also thanked Universidad del Bio-Bio for hosting and co-sponsoring the convention. He especially recognized Jerry Winandy and Cecilia Bustos who spent so much time on the meeting preparation. He also announced the upcoming SWST International Conventions – 2009 with Forest Products Society in Boise, Idaho; 2010 with UNECE/Timber Committee in Geneva, Switzerland; 2011 with Forest Products Society in Portland, Oregon; and 2012 with Chinese Society for Wood Industry in Beijing, China.

Jim mentioned several of SWST's significant accomplishments over the past year. He thanked Vice President Jim Funck for organizing the National Research Needs Assessment workshop that

was held in St. Louis in June. Frank Beall was recognized for the improvements he made to W&FS that have lead to the journal's improved impact factor. We are conducting our first international accreditation review of the Universidad del Bio-Bio and anticipate further growth of our service to professional education through accreditation of other international programs. Membership has been increasing steadily in the last year and we have added the emerging country membership category to allow people to have online access to the journal.

Executive Director's Report – Vicki Herian

Current Members as of November 11, 2008

Full members	307
Student member	78
Retired member	40
Developing full	10
Developing student	<u>9</u>
TOTAL	444

USA members	317
Canada members	53
Mexico members	3
Overseas members	71

Members as of October 1, 2007

Full Members	296
Student members	78
Retired members	46
Affiliate Member	<u>4</u>
TOTAL	424

Subscribers as of November 11, 2008

Subscribers	205
USA	85
Canada	14
Mexico	1
Overseas	105

Subscribers as of October 1, 2007

Subscribers	207
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Delinquent Members

Delinquent members as of 11/11/08 for 2008 dues – 43 total (18 full, 22 student, 3 retired)
 Delinquent subscribers as of 11/11/08 for 2008 – 32 total (15 US, 17 foreign)
 Compared to Delinquent members as of 2007 – 44 total (23 full, 20 student, 1 retired)
 Compared to Delinquent subscribers for 2007 – 40 total (16 US, 24 foreign)

Vanguard Accounts

The Vanguard accounts were opened on February 3, 1998. The balance is \$98,541.15 on September 30, 2008. The Student poster current balance (as of 9/30/08) is \$14,452.00.

Checking Account

The balance in the checking account as of November 11, 2008 is \$70,642.16. The balance in the CD's is \$57,264.45 and the balance in Savings is \$60,465.19.

Student Poster Competition Fund

Contributors are: APA-The Engineered Wood Association, Asian Woods Inc., Balazs Zombori, California Cedar Products, Entwood LLC, Forintek Canada Corporation, Iowa State University, Louisiana State University, Mississippi State University, North Carolina State University, Oregon State University, Pennsylvania State University, State University of New York (SUNY) ESF, Virginia Tech, University of British Columbia, University of Idaho, Washington State University, and Willamette Industries, Inc.

There are 10 participants in the 2008 Competition.

2008 International Convention

The 2008 International Convention takes place November 10-12, 2008 in Concepción, Chile. It is hosted and co-sponsored by Universidad del Bío-Bío. Our current registration numbers are up to 109. We have received \$500 from TECO, \$250 from Informa UK Ltd, and \$5000 from USDA FS for monetary sponsorship. Other sponsors are CORMA del Bío-Bío, IUFRO Division 5 Forest Products, ATCP Chile, Oxiquim S.A., Akzo Nobel, Aurauco, and Forestal Mininco S.A.

Miscellaneous

Metapress Info for Online Publishing of Wood and Fiber Science

<u>Journal Name</u>	<u>Publication Page Views</u>	<u>Issue Page Views</u>	<u>Contribution Page Views</u>	<u>Contribution Full Text Views</u>
<u>Wood and Fiber Science</u>	21,746	20,366	91,532	16,346

Number of Successful Article Requests by Month and Journal
Wood and Fiber Science

857	954	931	868	696	675	1247	1499	7727	0	7727
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All web pages have been updated as of November 2008.

The Committee Handbook for 2008-2009 has been sent to committee chairs. The following page charges are still due: 37(3) Institut fur Werkstoff im Bauwesen \$1660; 39(2) USDA FS \$1212; 40(3) Norwegian University \$1620; 40(4) 11 of the 13 papers are paid.

I have signed up for 3 librarian conference in 2008-209 where we will display Wood and Fiber Science and be listed in the handouts. We also took an ad in their Media Catalog. The cost was \$1155.

We've added student thesis and dissertations titles to the SWST webpage.

We've advertised the Site License option now available for subscriptions to Wood and Fiber Science, to be used if companies have more than one IP address they would like for online access.

We've added a page to the website for pre-publication list of papers for W&FS volumes. This can be found at <http://swst.org/prePublication.html>

I am working on putting together the archival information we want to store on the webpages. That is still in progress.

Budget Presentation

**FISCAL STATUS DECEMBER 31, 2007
BALANCE SHEET**

Total Assets	\$303,889.53
Total Liabilities	\$ 28,882.20
Total Equity	\$275,007.33
Total Equity & Liabilities	\$303,889.53

INCOME STATEMENT

	<u>2007 Budget</u>	<u>Actual 2007</u>
Total Income	\$163,450.00	\$185,132.18
Total Expenses	<u>\$148,127.00</u>	<u>\$196,146.38</u>
Budget Reserves	\$ 15,323.00	\$ -11,014.20

2009 SWST Budget

<u>Category</u>	<u>Income</u>	<u>Expenses</u>	<u>Net</u>
W&FS	\$122,700	\$ 75,180	\$47,520
Dues	\$ 26,725		\$26,725
Interest	\$ 200		\$ 200
Member Services	\$ 12,900	\$ 38,150	\$(25,250)
Admin Services		\$ 17,450	\$(17,450)
Salary & Taxes		\$ 13,900	\$(13,900)
TOTAL	\$162,525	\$144,680	\$ 17,845

Wood and Fiber Science – Frank Beall

Key items to report:

- 40/4 (October) has issued with 18 papers, one book review, and a listing of thesis and dissertation titles. We have 9 papers in the review process and 14 either being revised or corrected. We are averaging about 3 rejections per issue.
- Carol Ovens has completed her last issue (40/4) and Sheridan (and the Editor) will be doing copy editing for all papers starting with 41/1. They already have done about one-half of those in 40/4.
- Titles of theses/dissertations have appeared for the first time in 40/4 and are also on the web page with links.
- No new books reviews have been recommended.
 - Beginning with 40/4, we have posted in advance the papers that were scheduled to appear in that issue. We now ready to post the preprint online papers that will appear in 41/1 and beyond, meaning that they are officially published when posted.
 - At this point, no editorial has been solicited for 41/1. This might be one from the Editor
 - A draft on Technical Notes was submitted to the SWST Board and they asked for discussion on it at the November Board meeting.
 - CORRIM special issue. Bob Tichy and Vik Yadama are the coeditors for this issue. Publications for this issue will be processed through Editorial Manager, but Bob and Vik will be choosing the reviewers and receiving comments from them as well as determining the suitability of revisions and acceptability. I will help facilitate the process.
- Below are the Impact Factors for the past two years that we reported previously; they're published about mid-year for the previous year, so we won't have the 2008 numbers until mid-2009.

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

●Publication Report

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

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

For 41/1, I will calculate the time to publication for the two categories (time to preprint posting and time to hard copy issue).

Jim Armstrong presented Frank Beall with a Certificate of Appreciation for his work during the past year to bring the time to publication down considerably to less than 7 months, and thus raise the impact factor of Wood and Fiber Science.

Committee Reports

The Committee Reports that were available at the Annual Business Meeting were

Education Committee – Jim Armstrong

As the new chair of the Education Committee, I would like to thank Barry Goodell for his service as the committee's previous chair. Barry remains on the committee as past chair. I also extend my thanks to the newly appointed members of the committee: Cecilia Bustos, vice-chair (Universidad del Bio-Bio), Stavros Avramidis (University of British Columbia), Susan Diehl (Mississippi State University), Doug Gardner (University of Maine), and Perry Peralta (North Carolina State University). Thanks are also extended to Eva Haviarova, the committee's liaison to the Board of Directors. Since the June Board Meeting and the transition to a new committee chair, the Education Committee has worked in cooperation with Vicki Herian and Frank Beall to publish recent graduate student theses and dissertation titles on the SWST web site (<http://www.swst.org/WFSThesisTitles.html>) and in Wood & Fiber Science. E-mails were sent by Vicki Herian and the Education Committee chair to North American program representatives. In addition, a call for international titles was included in the August 2008 SWST Newsletter. To date, 21 titles have been listed on the web site. Instructions for submitting titles may be found on the web site at <http://www.swst.org/thesis.html> and in the August Newsletter.

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

A survey of student recruiting methods employed by WS&T programs is being prepared with a target date of January 1, 2009.

Past Presidents' Council – Jim Armstrong

The Past Presidents Council congratulates Dr. Robert Rice on being named SWST Fellow and Dr. Alan Marra for being selected as the 2008 recipient of the SWST Distinguished Service Award. We will be evaluating applications for status of Fellow for 2009, and have received four nominations for the SWST Distinguished Service Award.

The remaining committee reports will be published in the November-December Newsletter.

Old Business - None

Teller's Report – Vicki Herian

The new Vice President is Susan Anagnost, and the two new Directors are Robert Bush and Vikram Yadama. 113 ballots were received.

New Business

Jerry Winandy thanked Jim Armstrong for his work as president last year and told him that a plaque would be sent to him. Jerry also indicated some goals he has this year as President – (1) increase international subscriptions, (2) initiate a plan to donate old copies of W&FS to international libraries, (3) asked people to send their comments to him about the new focus of SWST to reach out to international communities, (4) would like to influence international public policy, and (5) reminded of the upcoming meetings in 2009 in Boise, Idaho; 2010 in Geneva, Switzerland; 2011 in Portland, Oregon; 2012 in Beijing, China.

Douglas Gardner solicited names from members for nominations of people to run for next year's elections.

A motion was made, seconded and passed to adjourn the meeting.

Respectfully submitted,

VICTORIA L. HERIAN
Executive Director

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EDUCATION COMMITTEE REPORT

Jim Armstrong, Chair

November 5, 2008

As the new chair of the Education Committee, I would like to thank Barry Goodell for his service as the committee's previous chair. Barry remains on the committee as past chair. I also extend my thanks to the newly appointed members of the committee: Cecilia Bustos, vice-chair (Universidad del Bio-Bio), Stavros Avramidis (University of British Columbia), Susan Diehl (Mississippi State University), Doug Gardner (University of Maine), and Perry Peralta (North Carolina State University). Thanks are also extended to Eva Haviarova, the committee's liaison to the Board of Directors.

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PAST PRESIDENTS COUNCIL REPORT

Jim Armstrong, Chair
November 5, 2008

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PUBLICATION POLICY COMMITTEE REPORT NOVEMBER, 2008

Chair: Zhangjing Chen
Vice Chair: David Carradine
Past Chair: Tor Schultz

Members: P. David Jones
Jilei Zhang
Judd Michael
Bruce Cutter
Board Liaison: Robert Bush

Special Charges:

Prepare a simple, on-line tutorial and news release for the SWST Newsletter explaining how to use the SWST webpage

Calculate a per-unit cost for publishing *Wood and Fiber Science*

Identify alternative technology transfer methods to better help SWST members

Identify books to review in *Wood and Fiber Science* and suggest reviewers for those books

Work Completed:

Completed review of forest products related journal circulation (see below)

Developed a call for book reviews and reviewers

Completed initial tutorial

Work Ongoing:

Further review and recommendations regarding SWST webpage

Determine *Wood and Fiber Science* publication costs

Investigate opportunities to add value for SWST members through novel information transfer methods

Advise the SWST board and journal Editor as requested

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WOOD AND FIBER SCIENCE EDITOR'S REPORT, NOVEMBER 2008

Key items to report:

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- Carol Ovens has completed her last issue (40/4) and Sheridan (and the Editor) will be doing copy editing for all papers starting with 41/1. They already have done about one-half of those in 40/4.
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HOW TO SEARCH FOR PAPERS OF *WOOD AND FIBER SCIENCE* ON THE WEB?

The journal *Wood and Fiber Science* is hosted by Metapress and as of August 1, 2007, pdf files were available for viewing and accessing online journal content. All *Wood and Fiber Science* articles are posted on swst.metapress.com.

If you are a subscriber to the journal or you are a member of SWST, you will be able to have full access to the journal online. Following are the steps required so that you can access the papers.

1. Go to the SWST website at <http://www.swst.org> (Figure 1).

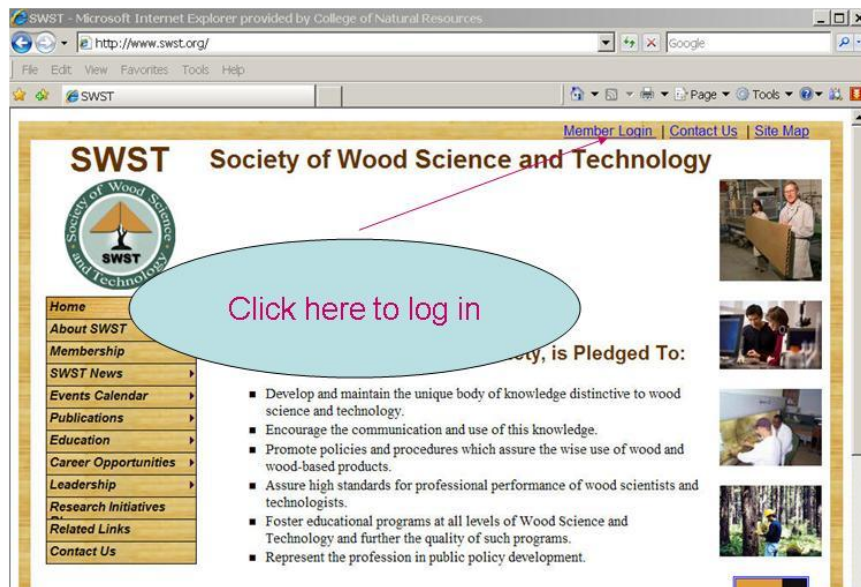


Figure 1. SWST website

2. Click on “Member Login” in the upper right corner of the page and it will bring you to the Member Login page (Figure 2).

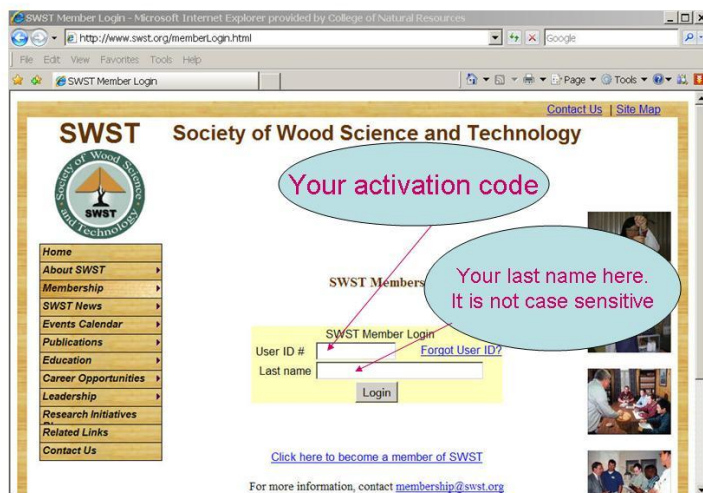


Figure 2. Member Login page

3. You can log in using your User ID and last name, which will bring you to the “Membership Only” pages.

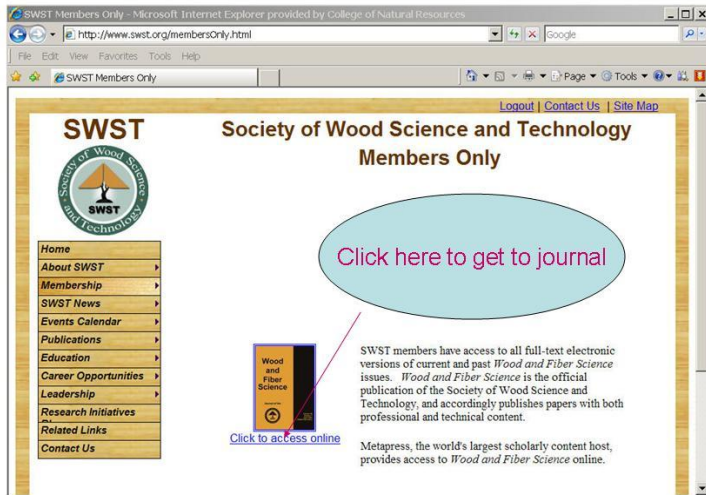


Figure 3 Members Only page at the SWST website

4. You can click “Wood and Fiber Science” and this will bring you to the Journal at the Metapress website.

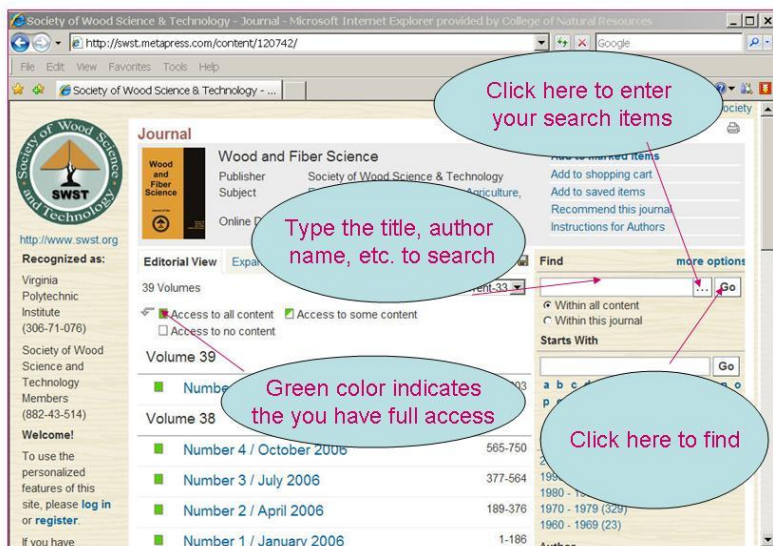


Figure 4. Wood and Fiber Science at Metapress website

In this website, you can search and look for the issues you want and download them. Type the topic on the “find” and click go, and it will search for what you have entered in the box. If you want to limit the search for title, author or summary, then click the corresponding block. (Figure 5).



Figure 5. Narrowing the search item.

If you want to be more specific with your search, click “more options” in the “find” box (Fig. 4), and you will reach the page shown in Figure 6.

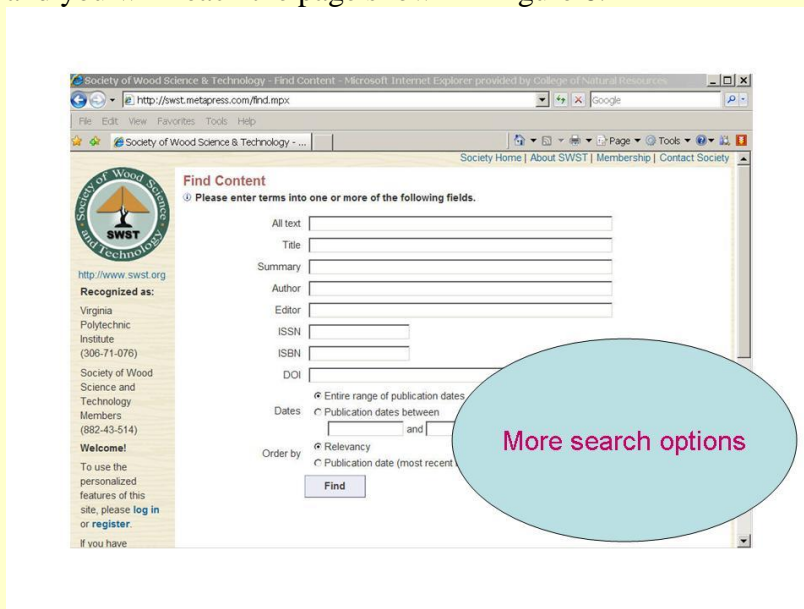


Figure 6. More search options

If you know the title name of the paper, you can directly go the paper without using the search

engine (Figure 7).

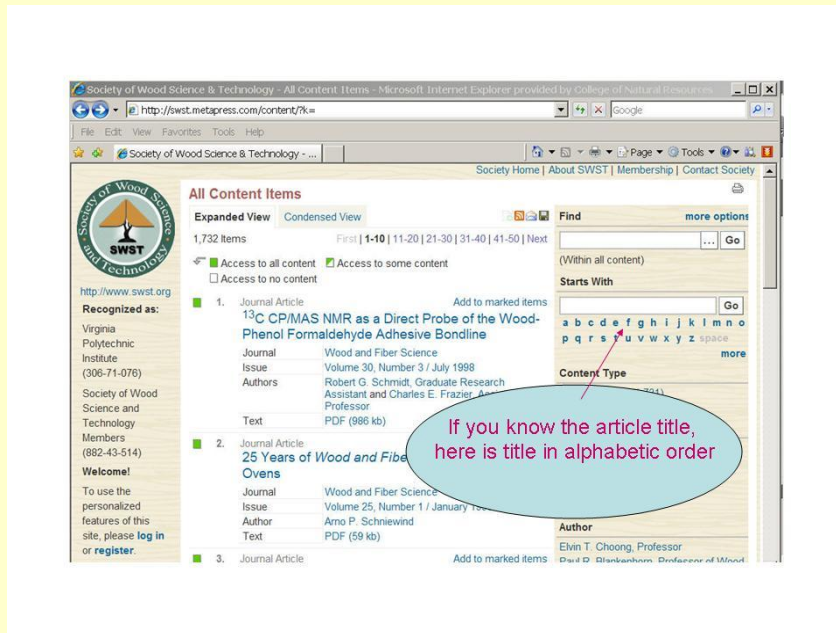


Figure 7. How to access a paper without using the search engine.

6. After you find your paper, you can browse the abstract by clicking on the article title. You can open the pdf file by clicking PDF (Figure 8).

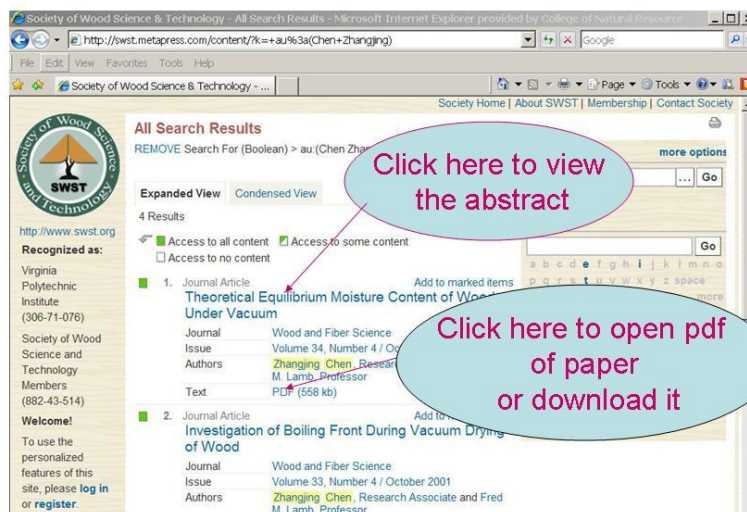


Figure 8. The search results and downloading the paper.

If you are not a member of SWST or do not subscribe to the journal, you can find the articles on swst.metapress.com.

If you are affiliated with an institution that is subscribed to the journal you wish to view, they can also register at MetaPress, allowing you access to the journal. Your institution is IP Authenticated you will be recognized as that institution when coming to any MetaPress site. Please check whether your institution has subscribed to the journal or not.

You can also purchase individual articles through the Metapress website. You do not need to have a subscription to the journal to do this. When you find the article that you wish to purchase, click on the title and it should take you to the abstracts page. On the right hand side of the screen, there will be an option for "Add to Shopping Cart". If you "Add to Shopping Cart", you will be able to go back and search for more articles. Clicking on "Add" will take you straight to the checkout process.

The following link will display the offerings of Wood and Fiber Science journal:

<http://www.metapress.com/content/120742/offerings/?p=0d72c1e4a40140d3ad7a4ee263c68e53&pi=0>

In order to take advantage of Metapress services you can register on the website. Registration is simple and free, and allows you to take advantage of website premium features, such as on-site purchasing and management of your subscriptions, enabling marked items, saved items, search capabilities and TOC (Table of Content) Alerting.

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SWST SEEKING BOOKS TO REVIEW

The SWST Publication Policy Committee is currently seeking suggestions for books to be reviewed along with requests for reviews of contemporary scientific literature that other SWST members would be interested in learning more about. Considering the busy schedules most of us have, we think it would be valuable to facilitate some reviewing and reporting on what reading material is out there, in order to help other members make more informed decisions about what to read and which literature would prove useful and enjoyable for those long international flights and carpool rides to work. If there is a book out there that you think is worthy of a review, we want to know about it. We also want to know if you would be willing to write a review of some books you have read recently so that we can share them with the SWST community and further our understanding of everything from sustainability to nanotube applications in wood technology. Please contact Dr. Chen Zhangjing (chengo@vt.edu) with suggestions for books or for more information about helping out with reviews.

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PUBLICATION OF THESIS AND DISSERTATION TITLES

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

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

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

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

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

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ABOUT SWST

The SWST Newsletter is published six times a year by the Society of Wood Science and Technology, One Gifford Pinchot Drive, Madison, WI 53705, USA. Items for the Newsletter may be sent to Adam Taylor, at: AdamTaylor@utk.edu

The Society of Wood Science and Technology is a technical and professional organization for scientists and engineers working in academia, government, consulting and the forest-products industries and is dedicated to providing education and expertise regarding better ways to use and produce wood products. Tel: (608) 231-9347 Fax: (608) 231-9592 E-mail: vherian@fs.fed.us
Web site: <http://www.swst.org>

Society of Wood Science and Technology

President:	Jerrold Winandy
Past President:	James P. Armstrong
President Elect:	James Funck
Vice President:	Susan Anagnost
Executive Director:	Vicki L. Herian
Directors:	Nicole Brown (2007)
	Eva Haviarova (2007)
	Vikram Yadama (2008)
	Robert Bush (2008)

Wood and Fiber Science

Editor:	Frank Beall
Editorial Assistant:	Carol B. Ovens

<i>SWST Newsletter Editor</i>	Adam Taylor
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2008

LIST OF POTENTIAL SWST VISITING SCIENTISTS

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

Specialty: Termite biology and control.

Will Discuss Formally and Informally: Above specialty.

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

Specialty: Wood science consulting and applied research.

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

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

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

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

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

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

Specialty: Wood deterioration and preservation.

Will Discuss Formally and Informally: Wood science education.

Will Discuss Informally: Same as above.

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 AEWC Building, Orono, ME 04469
(207-581-2846) (FAX 207-581-2074) email: douglas.gardner@umit.maine.edu

Specialty: Wood adhesion; Wood composites.

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

Will Discuss Informally: Anything.

GLASSER, WOLFGANG G., Professor of Wood Chemistry, Virginia Polytechnic Institute and
State University, Department of Wood Science & Forest Products, 210 Cheatham Hall,
Blacksburg, VA 24061 (540-231-4403) (FAX 540-231-7664) email: wglasser@vt.edu

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

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

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

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

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

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

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

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

GUPTA, RAKESH., Oregon State University, Department of Wood Science & Engineering,
114 RH, Corvallis, OR 97331 (541-737-4223) (FAX 541-737-3305)

email: rakesh.gupta@oregonstate.edu

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

Will Discuss Formally: Above listed specialities.

Will Discuss Informally: Above listed specialities.

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

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

Specialty: Quantitative wood anatomy; Structure-property relationships.

Will Discuss Formally and Informally: Above specialty.

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

email: Richard.Jagels@maine.edu

Specialty: Wood structure; Wood quality.

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

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

JELLISON, JODY, Professor of Biology, University of Maine, 313 Hitchner Hall,

Orono, ME 04469 (207-581-2995) (FAX 207-581-2969) email: jellison@umit.maine.edu

Specialty: Biodegradation of wood; Fungal metabolism.

Will Discuss Formally: Biological degradation of wood.

Will Discuss Informally: Interdisciplinary studies.

KAMKE, FREDERICK A., Endowed Chair-JELD-WEN, Oregon State University, Dept. Wood Science & Engineering, 104 Richardson Hall, Corvallis, OR 97331 (541-737-8422)

(FAX 541-737-3385) email: fred.kamke@oregonstate.edu

Specialty: Wood physics and composites.

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

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

KIM, MOON J., Department of Forest Products, Mississippi State University, Mississippi State, MS 39762-9820 (662-325-3109) (FAX 662-325-8126)

email: mkim@cfr.msstate.edu

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

Will Discuss Formally and Informally: Above specialty.

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

Specialty: Industrial systems engineering of wood products processing and manufacturing;

Operations research; Process control and automation.

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

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

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

Specialty: Wood quality/silviculture interactions; Tree physiology.

Will Discuss Formally: Effects of tree biology on wood quality; Tree water relations and biomechanics as related to xylem structure.

Will Discuss Informally: Dual-career, women and family issues in grad school and academics.

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

Specialty: Wood processing; Furniture manufacturing processes.

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

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

LITTLE, ROBERT L., Armstrong Wood Products, 498 Salt Street, Winston-Salem, NC 27101 (336-406-1746) (FAX 336-703-1808) email: r_little@bellsouth.net

Specialty: Drying of hardwood lumber.

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

Will Discuss Informally: General wood technology.

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

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

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

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

Specialty: Composition and composite wood products.

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

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

Specialty: Wood gluing; Reconstituted products.

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

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

McLAIN, THOMAS E., Professor of Timber Engineering and Department Head, Oregon State University, 119 Richardson Hall, Corvallis, OR 97331-5751 (541-737-4257)

(FAX 541-737-3385) email: Thomas.McLain.oregonstate.edu

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

Will Discuss Formally: Why Wood Engineering? The role of wood in modern society; Integrating extension in research and teaching; Pacific Northwest forest conflicts.

Will Discuss Informally: Above topics and most anything else.

MORRELL, JEFFREY J., Professor, Department of Forest Products, 230 Richardson Hall, Oregon State University, Corvallis, OR 97331-5751 (541-737-4222) (FAX 541-737-3385)

email: Jeff.Morrell@oregonstate.edu

Specialty: Wood microbiology; Biodeterioration; Preservation.

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

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

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

email: mohalloran@wwpa.org

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

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

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

PARIDAH, MD. TAHIR., Associate Professor Dr., Universiti Putra Malaysia, Institute of Tropical Forestry and Forest Products, Serdang, Selangor, MALAYSIA 43400 (608-89472186)

(FAX 608-89472180) email: parida_introb@yahoo.com

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

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

Will Discuss Informally: Post graduate studies at UPM.

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

Specialty: Wood mechanics and composites.

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

Will Discuss Informally: Hybrid wood composites.

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

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

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

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

SMITH, BOB, Associate Professor/Extension Specialist, Virginia Tech, 1650 Ramble Road, Mailcode 0503, Blacksburg, VA 24061 (540-231-9759) (FAX 540-231-8868) email: rsmith4@vt.edu

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

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

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

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

Specialty: International trade in forest products; Hardwood exports; Wood quality influences on product acceptance in foreign markets.

Will Discuss Informally: Graduate programs in wood science and in international trade; Views of the future of the forest products industry; other topics as desired.

SMULSKI, STEPHEN, Ph.D., President, Wood Science Specialists, Inc., 453 Wendell Rd., Shutesbury, MA 01072 (413-259-1661) (FAX 413-259-1610) email: woodsci@crocker.com

Specialty: In-service performance of wood and wood-base products in residential, commercial and industrial construction; Preventing degradation of wood in service.

Will Discuss Formally: Moisture problems and durability of wood-frame houses; Forensic application of wood science and technology

Will Discuss Informally: Consulting opportunities in wood science and technology; Career opportunities in wood science and technology.

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

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

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

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

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

Specialty: Straw/wood fiber chemistry.

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

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

Specialty: Mechanics and physics of wood and wood composites.

Will Discuss Formally: Long-term performance of wood composite structures; Creep models of wood composites under various environmental conditions; Elastic behavior of wood fibers; Dimensional stability and engineering reliability of wood composite structures; Duration of load behavior of lumber under changing environments; Effect of flake-cutting pattern and resin content on the mechanical and physical properties of flakeboard.

Will Discuss Informally: Undergraduate and graduate programs in forest products and wood science at Auburn; Mathematical models and simulation in forest and wood science.

TEKLEYOHANNES, Anteneh Tesfaye, University of British Columbia, Dept. of Wood Science, 2424 Main Mall, Vancouver, BC, CANADA V6T 1Z4 (604-822-8203) (FAX 604-822-9195)
email: anteneht@interchange.ubc.ca

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

Will Discuss Formally: Environmental aspects of wood products.

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

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

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

VLOSKY, RICHARD P., Associate Professor, 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: volsky@lsu.edu

Specialty: Marketing; Economic development.

Will Discuss Formally: Marketing; Forest products industry development.

Will Discuss Informally: Comparison of state development efforts.

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.