

SWST Newsletter

~ August 2008 ~

In This Issue (these are clickable links)

SWST Upcoming Meetings

[2008 Annual Meeting in Chile](#)

News

[NDT Meeting in Costa Rica](#)

[College Volunteers](#)

[Green Buildings Conference](#)

[AF&PA Tour](#)

[Jean Mater](#)

[Wood Preservation Book](#)

Positions

[Post-doc at Forintek](#)

SWST

[Publication of thesis titles in W&FS](#)

[New officers](#)

[W&FS Editor's Report](#)

[Minutes from St. Louis Board Meeting](#)

[About SWST](#)

[List of SWST Visiting Scientists](#)

Note from the Editor

A reminder that the 2008 SWST Annual Meeting will be November 10-12th in Chile. PREREGISTRATION DEADLINE IS SEPTEMBER 1ST. Please visit <http://www.swst.org/meetings/AM08/about.html> for more information

Please send items for the October SWST Newsletter to me by the end of September.
AdamTaylor@utk.edu

[<Back>](#)

SWST 51ST ANNUAL CONVENTION CONCEPCIÓN, CHILE

PREREGISTRATION DEADLINE IS SEPTEMBER 1ST

The first SWST international meeting outside of North America will be held on November 10-12, 2008 in Concepción, Chile at the Universidad del Bío-Bío, a cosponsor and co-organizer of the meeting. [Click here](#) to see other sponsors.

There will be four sessions during the first two days dealing with (1) Timber Engineering, (2) Global Trade in Forest Products, (3) Wood Quality: Challenges in the 21st Century, and (4) Advanced Processing of Timber in the 21st Century. Each session has a North American and South American Co-Chair. The last day of the Convention will be a day-long tour of the area and the forest products industry, beginning with a visit to Nueva Aldea.

EXPOCORMA has meetings November 11-15, but is a separate convention.

See [4th International Meeting on Forestry, Wood Products, Pulp and Paper](#).

For more information on the SWST meeting: <http://www.swst.org/meetings/AM08/about.html>

[<Back>](#)

2ND LATIN AMERICAN WORKSHOP ON NON-DESTRUCTIVE TESTING OF WOOD PRODUCTS

December 3-5, 2008.

Instituto Tecnológico de Costa Rica, San Jose-Costa Rica.

2nd CALL FOR PAPERS

This workshop is devoted to research, development and application of different non-destructive techniques in wood and wood products: Image scanning, sound and ultrasound, acoustic emission, laser, vision, x-rays, microwaves, signal processing and others.

Abstracts of no more than 250 words, written in Word, single-spaced with margins of at least 2.5 cm at top and bottom and 3 cm at left and right, Times New Roman 12 ppt. The title should be written in capitalized letters. It must be submitted by October 10, 2008. Complete papers will be received before October 30, 2006.

Róger Moya Roque; Email: rmoya@itcr.ac.cr, Phone: +506-2550 2433

Erik Baradit; Email: ebaradit@ubiobio.cl, Phone: +56-41-731313

www.itcr.ac.cr/ndtesting

[<Back>](#)

BE A COLLEGE CAREER VOLUNTEER!

Do you want to influence the future of your profession?

Are you willing to share what you've learned since college with a current student?

The St. Paul Campus Career Center of the University of Minnesota invites you to join us in preparing our graduate and undergraduate students for career success. One of the most frequent requests we get from students is for contacts in their fields of interest, and the panels of professionals who speak in our career classes are always a hit! We hope you'll consider being one such contact. There are several ways you can share your expertise, and there are opportunities to fit any schedule.

--Informational Interview - Answer student questions about your career area, either on the phone, via e-mail or in person.

--Classroom Speaking - Share your professional perspective with a class.

--Panel Discussions - Sit on a panel with other professionals to share your perspective on topics related to career planning or your professional field.

--Industry Tours - Host a student group within your work place to provide a realistic picture of what daily work in your environment entails.

--Mock Interviews / Portfolio Review - Conduct practice interviews or portfolio reviews on campus for small groups of students.

--Collegiate Mentor Program - Mentor a student interested in your profession- November to April.

--Alumni Society Board of Directors - Serve on a collegiate alumni society board of directors. Elections are held annually.

Visit <http://www.stpaulcareers.umn.edu/alumni/volunteering.html> for a description of volunteer possibilities and to sign up!

Lindsay Kail
Peer Advisor
St. Paul Campus Career Center Staff
University of Minnesota-Twin Cities
198 McNeal Hall, 1985 Buford Avenue
St. Paul, MN 55108
spccc@umn.edu
612-624-2710
<http://www.stpaulcareers.umn.edu>

[<Back>](#)

GREEN BUILDING MATERIALS '08

November 3-4, 2008
UMASS Campus Center Complex
Amherst, Massachusetts, USA

Sponsored by the Forest Products Society.

The rapidly changing Green Building industry poses challenges for:

Designers: Architects, Engineers
Material Suppliers: Manufacturers, Wholesalers, and Retailers
Contractors/Builders and Inspectors
Homeowners

What is the current “state-of-the-art”

- What are green building materials?
- How to interpret and satisfy requirements of a variety of rating systems
- What’s the process for designing, specifying, and sourcing green building materials?
- Documentation issues in the green chain-of-custody
- What’s new in Green Building Materials?
- Innovations in Local Sourcing of Materials

<http://www.forestprod.org/confgreenbuilding08.html>

[<Back>](#)

AF&PA’S BIENNIAL DEANS’ TOUR

Mark your calendars for AF&PA’s biennial Deans’ Tour, to be held on January 14 - 16, 2009, at Amelia Island Plantation, Florida. The event is hosted by Rayonier and will feature visits to Rayonier’s forestlands and facilities.

The program and tour are designed 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 by the U.S. forest products industry. The agenda will address such topics as emerging technologies, cellulosic energy research, the role of research in certification standards, impacts of ownership trends, and others.

The event will begin at 1:00 pm on Wednesday, January 14, and will conclude at Noon on Friday, January 16. An all-day field trip on January 15 will visit facilities and research sites operated by Rayonier and others, likely including a pulp mill biomass boiler, somatic embryogenesis field plots, and a cypress regeneration site.

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.

Additional details will be available soon, including registration, hotel information, and an agenda. In the meantime, you can view information about the event location at www.aipfl.com. If you have questions, please email deanstour@afandpa.org or call 202-463-2753.

[<Back>](#)

CIVIC, BUSINESS LEADER MATER DIES

BY BENNETT HALL
GAZETTE-TIMES REPORTER

Pioneering woman scientist helped build family forest engineering firm

Jean Mater stood just under 5 feet tall, but she cast a long shadow. The diminutive woman with the dynamic personality left an indelible impression on both the wood products industry and the civic affairs of her community. Mater died of natural causes Sunday at her southwest Corvallis home. She was 92.

Born Jean Marmorstein on June 18, 1916, in New York City, she graduated from Brooklyn College in 1937 and earned a master's degree in chemistry from Cornell University in 1940. She married Milt Mater the same year, and the couple moved to Corvallis in 1946.

During World War II, while her husband served in Italy with the U.S. Army, Jean made her own contribution to the war effort as a chemist with Bell Labs, where she worked on ways to combat German U-boats. Women scientists were almost unheard-of in those days, but Mater would go on to break a number of other gender barriers.

Jean and Milt worked side by side to build their business from a small machine shop into a world leader in the forestry industry, recalled Hal Salwasser, dean of the College of Forestry at Oregon State University.

"She and her husband helped sawmills with a lot of efficiency improvements," Salwasser said. "Mater Engineering was (also) a very early champion of what came to be known as sustainable forestry."

In 1955 Mater earned a doctorate in forest products chemistry from OSU, and she went on to write a number of books on forestry issues, including 1997's "Reinventing the Forestry Industry." She was a fellow of the Society of American Foresters and was honored for her contributions by the Forest Products Society.

She also became a strong advocate for the College of Forestry.

"She was very active in giving us counsel, even when we didn't ask for it. But it was always welcome," Salwasser said. "Her impact on the industry and on forestry practices in Oregon was just the opposite of her size."

<Back>

NEW FROM OXFORD • SAVE 20%

DEVELOPMENT OF COMMERCIAL WOOD PRESERVATIVES

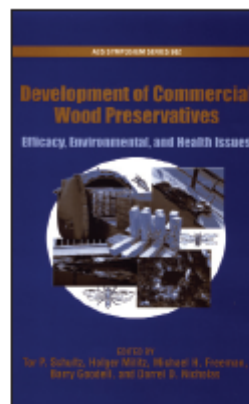
Efficacy, Environmental, and Health Issues

Edited by Tor Schultz, Holger Miltz, Michael H. Freeman,
Barry Goodell, and Darrel Nicholas

Wood products are used extensively in residential construction and other outdoor applications where the wood can be degraded by many different organisms. To prevent degradation, wood products are treated with biocides. Treated wood is a sustainable, low-cost and effective building material which requires relatively little energy to manufacture, and trees sequester carbon dioxide from the atmosphere as they grow. Therefore, treated wood is an economical construction material and provides ecological benefits to society. However, wood preservation has recently undergone dramatic changes worldwide that have been driven by both real and perceived environmental concerns and governmental regulations.

The protection of wood against the many organisms that can degrade it has unique problems. The vector(s) employed must be effective against a wide variety of organisms and must last for the many years expected from treated wood. The worldwide market for wood-preserving biocides at the active supplier level is relatively small so only limited R&D expenditures are justified. Another challenge with wood is that it is a hygroscopic material that swells when wetted and shrinks as it dries, which leads to undesired dimensional changes that result in lumber in exterior applications splitting or warping over time. Furthermore, the surface of wood exposed to sunlight can photodegrade, and exterior lumber can have surface mold growth if left without maintenance. Therefore, certain species of wood decking gradually lose their initial attractive appearance and require maintenance over time.

This book outlines the many steps involved in developing a new wood preservative, written by international experts, that cover various biocides, efficacy testing, formulation development, biocide depletion, termite control methods, registration and approval processes, existing and potential preservative systems for various applications, and environmental and disposal concerns. In addition, overview chapters cover various aspects of wood deterioration, non-biocidal chemicals and processes to protect wood, worldwide trends in wood preservation, and mold and mold health issues in homes.



(ACS Symposium Series 982)
(An American Chemical Society Publication)
2008 674 pp.; 110 line illus.
978-0-8412-3951-7 cloth
~~\$155.00~~/\$124.90

Tor P. Schultz, Professor, Mississippi State University

Holger Miltz, Professor, University of Göttingen

Mike H. Freeman, Independent Wood Scientist, Consultant

Barry Goodell, Professor, University of Maine

Darrel D. Nicholas, Professor, Mississippi State University

ORDER FORM • SAVE 20%

Please return this form, along with your credit card information, to Oxford University Press, Order Dept., 2001 Evans Road, Cary, NC 27513.

Please send me:

_____ copies of DEVELOPMENT OF COMMERCIAL WOOD PRESERVATIVES
(978-0-8412-3951-7) cloth @ ~~\$155.00~~/\$124.90

Please include \$5.25 shipping and handling for the first book,
\$1.50 for each additional book. (WA, WI, CA, and NC residents please
add sales tax.)

Total _____

PAYMENT INFORMATION:

Enclosed is a check or money order made out to Oxford University Press for \$ _____

Please charge my credit card:

VISA MasterCard American Express

Credit Card no. _____ Exp. Date _____

Signature _____

(Important! Credit card orders not valid without signature and credit card billing address.
Be sure to complete billing information section.)

All sales subject to acceptance by Oxford University Press at its offices in Cary, NC.

BILL TO: (Please print)

Name _____

Institution _____

Address _____

City _____

State _____

Zip _____

Daytime Phone _____

SHIP TO: (if different from above)

Name _____

Institution _____

Address _____

City _____

State _____

Zip _____

Offer valid in the U.S. only.

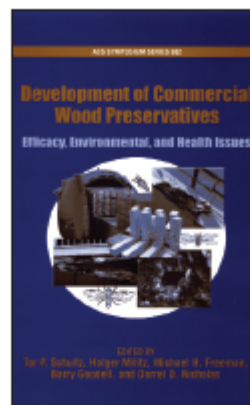
To charge, call 1-800-451-7556 (M-F, 9-5 EST)
or Fax, 1-919-677-1303

To order online go to www.oup.com/us and enter
promotion code **26490** to save 20%.

NEW FROM OXFORD • SAVE 20%

Contents:

1. Introduction to Developing Wood Preservative Systems and Molds in Homes.
2. Fungal Decay of Wood: Soft rot - Brown rot - White rot.
3. Insects that Infest Seasoned Wood in Structures.
4. Molds and Stain Fungi.
5. Weathering and Photo-Protection of Wood.
6. Regional Biodeterioration Hazards in the United States.
7. Concepts in the Development of New Accelerated Test Methods for Wood Decay.
8. Evaluating the Durability of Wood-Based Composites.
9. Mold Growth in Structures: An Overview.
10. The Biology and Microscopy of Building Molds: Medical and Molecular Aspects.
11. Molds and Moldicide Formulations for Exterior Paints and Coatings.
12. The Changing Landscapes of Mold Litigation.
13. Wood Preservative Fungicides.
14. Bioactive Compounds to Prevent Insect Degradation of Wood.
15. Termite Control from the Perspective of the Termite.
16. Improving the Performance of Organic Biocides by Using Economical and Benign Additives.
17. Biocide Depletion: Chemical, Physical and Photodegradation.
18. The Role of Non-Decay Microorganisms in the Degradation of Organic Wood Preservatives.
19. Acetylation of Wood in Lumber Thickness.
20. Furfurylation of Wood.
21. Wood Protection with DMDHEU and its Derivatives.
22. Processes and Properties of Thermally Modified Wood Manufactured in Europe.
23. The Process by which a new Wood Preservative System for Residential Exterior Applications is Developed: An Industrial Perspective.
24. Wood Preservative Formulation Development and Systems: Organic and Inorganic Based Systems.
25. Copper-based Systems for Exterior Residential Applications.
26. Borate Wood Preservatives: The Current Landscape.
27. In-Process Protection of Wood Composites.
28. Organic Preservative Systems for the Protection of Wood Windows and Doors.
29. Biological Degradation of Wood-Plastic Composites (WPC) and Strategies for Improving the Resistance of WPC against Biological Decay.
30. The Federal Insecticide, Fungicide and Rodenticide Act and Its Impact on the Development of Wood Preservatives.
31. AWPA and Building Code Procedures for new Preservative Systems.
32. Environmental Regulations and the Wood Preserving Industry.
33. DISPOSAL Management of Preservative Treated Wood Products.
34. Wood Protection in Europe: Developments Expected up to 2010.
35. Wood Preservation Trends in North America.
36. Trends in Wood Protection: Asia and Oceania.



(ACS Symposium Series 982)
(An American Chemical Society Publication)
2008 674 pp.; 110 line illus.
978-0-8412-3951-7 cloth
~~\$155.00~~/\$124.90

Tor P. Schultz, Professor, Mississippi State University

Holger Miltz, Professor, University of Göttingen

Mike H. Freeman, Independent Wood Scientist, Consultant

Barry Goodell, Professor, University of Maine

Darrel D. Nicholas, Professor, Mississippi State University

[<Back>](#)

POSTDOCTORAL RESEARCH FELLOWSHIP IN WOOD SCIENCE

FPInnovations is the world's largest private not-for-profit forest research institute, with the goal of strengthening the Canadian forest sector's global competitiveness through research, knowledge transfer and implementation. A motivated postdoctoral research fellow is sought to undertake a research project. The applicant should have a PhD in wood science or forestry. The successful applicant must have comprehensive knowledge of wood properties and wood science. Basic knowledge of forest science and statistical analysis will be a valuable asset. The successful candidate must have excellent writing skills. It is also important that the candidate be able to work in a team environment and communicate with other team members

The Fellowship is available immediately for one year initially. Qualified candidates are invited to send their resumes to:

Dr. Tony Zhang
FPInnovations - Forintek Division
Vancouver, BC V6T 1W5
Tel: (604) 222-5741
E-mail: tony.zhang@fpinnovations.ca
Website: www.fpinnovations.ca

[<Back>](#)

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.

[<Back>](#)

NEW OFFICERS ON SWST BOARD

Congratulations to Vik Yadama and Robert Bush on their election as Directors on the SWST Executive Board.

[<Back>](#)

WOOD AND FIBER SCIENCE REPORT

We are in the process of actions to make the journal more accessible to the membership, reduce publication time, and provide early notification of pending publications. This is a direct consequence of moving closer to doing everything electronically. As an SWST member, you can now use the SWST web page to access current and all back issues, and do keyword or author searches for any volumes or years. During 2008, the time to publication (from receipt to hard copy) will have been reduced from 14 to about 8 months, with a target of 6 months in 2009. Our next planned step is to go to electronic “prepublication” so that as soon as a galley is approved, it will be posted in our “members only” section of the web page. For some authors, this could mean a 3 to 4 month advance publication date, further reducing the time to publication. We will also be sending out an email to members and subscribers with a “table of contents alert” that lists the titles for an issue about one month in advance of publication. This can be very helpful to an author having a manuscript in preparation in an area related to an upcoming publication.

Another plan is to list citations of theses and dissertations in the journal, and post the abstract on a WIKI site that is accessible from the SWST web page. This will provide advance information of research activities that may not be published for quite a while (if ever, in some cases). Again, this will alert the membership to current research.

We have greatly reduced our manuscript backlog, so this is now a good time to submit manuscripts and have them published fairly quickly. All manuscripts should be submitted through Editorial Manager, using the link on the SWST web page. The web page also has substantial information on formatting and style. In addition to full-length research articles, we are looking for short contributions that we could expedite to publication. They would go through the same peer-review process, but with special guidelines for the reviewers so that they understand the difference from the normal manuscripts.

In the July 2008 issue we published our first book reviews in a number of years, but we need more suggestions of new books for review. If you have a book in mind, please email me the title, and, if possible, a URL link.

●[Publication Report](#)

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

Issue	39/4 (Oct)	40/1 (Jan)	40/2 (Apr)	40/3 (Jul)	40/4 (Oct)
Articles	13	14	16	16	18
Pages	177	132	163	168	
Ave time pub (mo)	14	13	14	11	9
Med time pub (mo)		9.5	12	8	7

[<Back>](#)

2008 SWST JUNE BOARD MEETING MINUTES

JUNE 24, 2008

ST. LOUIS, MISSOURI

- All 10 accredited schools have returned their Annual Reports. A motion was passed to accept all Annual Reports.
- The Board will review the proposal for changes to accreditation procedures and send their comments to Nicole for compilation to Rubin, by August 1.
- The visiting team members for Universidad del Bio-Bio accreditation are Barb Lachenbruch, Jim Funck, and Ramon Echenique-Manrique.
- University of Goettigen has expressed an interest in having SWST do an accreditation at their university.
- The WIKI site for communication internationally with SWST education contacts has been loaded on the SWST site. <http://swst.org/tikiwiki/tiki-index.php> Members should check the International Contact List to be sure their contacts are on that list, and accurate.
- The Education Committee has also been active in working with Frank Beall to develop a thesis database for SWST graduate students. This will be on our website. Look for future notices.
- Student Poster Competition judges for the 2008 Convention have been set.

- Marra Award Committee is working on reading volume 40.
- For the period of March to June 2008, twenty one people have been approved as new members. Four applications are pending, and one was rejected. There are a total of 411 members, including 296 Full members, 61 Student members, 40 Retired members, 8 Developing Full, 6 Developing Student. Among these members, 304 are from USA, 45 are from Canada, 3 are from Mexico members, and 59 are from overseas.
- The 2008 DSA will be Alan Marra. The 2008 Fellows will be Bob Rice.
- A position paper on the “Use of woody biomass for bioenergy” has been submitted to the board by the Policy and Critical Issues Committee. Work continues on this.
- The Publication Policy Committee has recommended a site license fee for Wood and Fiber Science that will be used for 2009.
- Three Visiting Scientist Visits have taken place this year: Jerry Winandy to West Virginia University, Jim Bowyer to Mississippi State University, and Jim Bowyer to SUNY-ESF. Dr. Alexander Salenikovich, Université Laval, was approved to take an international visit to France, but was unable to complete the visit.
- Three recipients received funding under the Student Travel Grants Program to the 2008 SWST Convention. The committee is processing more applications at this time.
- The restriction that a person has to be a member for 3 years before taking advantage of the Visiting Scientist program has been lifted.
- Committee Board Liaison: Education and Membership – Eva Haviarova
Accreditation and Policy and Critical Issues – Nicole Brown
Marra Award and Visiting Scientist Program – Vikram Yadama
Publication Policy and Research Initiatives – Bob Bush
- We are currently working with CORRIM to publish Phase II as a special issue of Wood and Fiber Science.

[<Back>](#)

ABOUT SWST

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

The Society of Wood Science and Technology is a technical and professional organization for scientists and engineers working in academia, government, consulting and the forest-products

industries and is dedicated to providing education and expertise regarding better ways to use and produce wood products. Tel: (608) 231-9347 Fax: (608) 231-9592 E-mail: yherian@fs.fed.us
Web site: <http://www.swst.org>

Society of Wood Science and Technology

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

SWST Newsletter Editor Adam Taylor

[<Back>](#)

[<Back>](#)

LIST OF POTENTIAL SWST VISITING SCIENTISTS

ANDERSON, MATTHEW, 3700 RT. 44, Suite 102, Millbrook, NY 12545 (845-677-3091)
(FAX: 845-677-6547) email: m.anderson@verizon.net

Specialty: Wood science consulting and applied research.

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

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

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

Will Discuss Formally: Various topics related to forest resources in U.S. history (see: <http://www.wdsc.caf.wvu.edu/otherwebs/WDSC%20100.pdf>.); Eco-terrorism--Its causes and impacts.

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

BABIAK, MARIAN, Professor, Dr.h.c. RNDr. PhD, Technical University in Zvolen, T.G.Masaryka 24, 96053 Zvolen, Slovak republic (+421 45 5206 350) (Fax: +421 45 5330027)
email address babiak@vsld.tuzvo.sk

Specialty: Wood Structure and Properties

Will Discuss Formally: Wood Physics and Mechanics

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

BARNES, H. MICHAEL, Thompson Professor of Wood Science & 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; 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.

[<Back>](#)

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

Specialty: Forest products marketing and management

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

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

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

Specialty: Wood science and physics.

Will Discuss Formally and Informally: Above specialty.

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

[<Back>](#)

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

Specialty: Wood chemistry.

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

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

FLYNN, KEVIN, Kevin Flynn, MS, Flynn & Associates, Wood Science & Technology P.O. Box 805 El Cerrito, CA 94530 (510) 758-4686 Voice (510) 758-4893 Fax) 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., Manager - Lumber and Wood Science, Weyerhaeuser Company, WTC 2B2, P.O. Box 9777, Federal Way, WA 98063-9777, Phone: 253-924-6826, Fax: 253-924-4239, E-mail: 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, 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.

LACHENBRUCH, 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.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.

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, Professor, 5755 Nutting Hall, Wood Science and Technology, University of Maine, Orono, ME 04469-5755. 207-591-2888. email: goodell@umit.maine.edu

Specialty: Biodeterioration, bioprocessing and bioconversion of wood. Nanotechnology: Producing carbon nanotubes from wood. Biocomposites and polymer matrix composites.

Will Discuss Formally: Any of 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/overview.php> for

information on WUR .

[<Back>](#)

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.

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

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.

[<Back>](#)

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

Specialty: MASS CUSTOMIZATION IN FURNITURE MANUFACTURING COMPANIES.

Will Discuss Formally: Linkages between Mass Customization and Competitiveness.

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

LITTLE, ROBERT L., Ph.D., R.F. Senior Project Manager, Weyerhaeuser Company. Wood
Science and Engineering R&D Mail Stop: WTC 2B2 P.O. Box 9777 Federal Way, WA 98063-
9777 Office: (253)924-4269 Mobile: (336)404-2132

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.

[<Back>](#)

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.

[<Back>](#)

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.

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.

[<Back>](#)

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

Specialty: Marketing; Forest Sector-Based Economic development.

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

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

Specialty: Nondestructive evaluation (NDE) of wood; NDE of wood structural members/systems;

Wood drying.

Will Discuss Formally: NDE of trees, logs, lumber; NDE of structural members/systems.

Will Discuss Informally: Dry kiln control.

WIEDENBECK, JANICE K., Project Leader, USDA Forest Service, Northeastern Forest Experiment Station, 241 Mercer Springs Road, Princeton, WV 24740 (304-431-2708) (FAX: 304-431-2772) email: jwiedenbeck@fs.fed.us

Specialty: Secondary wood products processing; Manufacturing system simulation modeling; Production control.

Will Discuss Formally: Research pursuits and accomplishments of Princeton WV's work unit "Improved Processing Technology for Hardwoods" including gang-rip-first research and application programs; Rough mill simulation models; Yield improvement research; New hardwood lumber processing systems and technologies, etc.

WINANDY, JERROLD, Project Leader-Engineered composites. USDA Forest Service, Forest Products Laboratory, One Gifford Pinchot Dr., Madison, WI 53726-2398 (608-231-9316) (FAX: 608-231-9582) email: jwinandy@wisc.edu

Specialty: Engineered wood composites; Durability; Composites as tool for sustainable forestry.

Will Discuss Formally: Composites; Preservation; Property effects; Enhancing durability.

Will Discuss Informally: Standards; Codes; Physical/mechanical properties.

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

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

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

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

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

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

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

Will discuss informally: Building developments and construction technology.

[<Back>](#)

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.

[<Back>](#)