



SWST Newsletter

SOCIETY OF WOOD SCIENCE AND TECHNOLOGY

~April 2006~

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A Note From the (New) Editor



You may notice a slightly different look to this edition of the SWST Newsletter – it's my first one. I hope that all the links are alive and that the bookmarks take you to the correct locations.

My thanks to the SWST board for giving me this opportunity and especially to Rado Gazo, who has been the editor for the last few years and who has made the transition a smooth one for me.

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



49th Annual Convention Society of Wood Science and Technology

June 25, 2006

Newport Beach Marriott Hotel
Newport Beach, California

8:00–8:30 Registration & Coffee

Session I: The Effect of Decay on the Performance of Wood Buildings Under Earthquake Loading and How We Might Improve Performance

Newport Coast Ballroom, Salon 4

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

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

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

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

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

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

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

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

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

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

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

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

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

11:00–11:30 “Discussion”

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

Newport Coast Ballroom, Salon 5

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

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

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

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

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

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

—*Thomas Elder*, Research Scientist and *Les
Groom*, Project Leader, Southern Research
Station, USDA Forest Service, Pineville, LA
—*Rick French*, Principle Chemist, National
Renewable Energy Lab, Golden, CO

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

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

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

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

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

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

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

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

Awards, Business Meeting, Lunch

Grand Pacific Ballroom, Salons ABC

11:30–1:00

Session III: The Aftermath of Katrina: The Wood Products Industry Response

Newport Coast Ballroom, Salon 4

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

1:00–1:30 “AF&PA Investigation of Structural Damage from Hurricane Katrina”

John “Buddy” Showalter, Director, Technical Media, AF&PA American Wood Council, Washington, DC

1:30–2:00 “Timber and Forest Products Markets After Katrina”

Bob Daniels, Extension Prof., Mississippi State University, Mississippi State, MS

2:00–2:30 “After the Hurricanes: Implications for Housing on the Gulf Coast”

Claudette Reichel, Extension Housing Specialist & LaHouse Project Chair, and *Richard Vlosky*, Director, Louisiana Forest Products Development Center, Louisiana State University Agricultural Center, Baton Rouge, LA

2:30–3:00 “Impact of Katrina on U.S. Housing Markets”

Delton Alderman, Res. For. Prod. Technologist and *Al Shuler*, Research Economist, U.S. Forest Service, Forest Sciences Laboratory, Princeton, WV

3:00–3:30 “Remediation of Fungal Growth on Wood-Based Building Materials: Challenges to the Forest Products Industry”

Stephen L. Quarles, University of California Cooperative Extension, Richmond, CA and *Stephen C. Davis*, MPH, CIH, LaCroix Davis LLC, Lafayette, CA

3:30–4:00 “Discussion”

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

Newport Coast Ballroom, Salon 5

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

1:00–1:30 “Emerging Issue of Wood and Mold in Residential Construction”

Jeffrey J. Morrell, Professor, Dept. of Wood Science and Engineering, Oregon State Univ., Corvallis, OR

**1:30–2:00 “Current Research in
Moisture and Housing at the USDA
Forest Products Laboratory”**

Charles Carll, Research Technologist, and
Anton TenWolde, Research Physicist, Forest
Products Lab, USDA Forest Service, Madison,
WI

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

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

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

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

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

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

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

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

**SWST/FPS Technical Forum and
SWST Student Poster Competition**

Grand Pacific Ballroom, Salons DEF
4:00–5:30

Joint SWST/FPS Host Reception

Grand Pacific Ballroom, Salons ABCDEF
6:30–8:00

Announcement of Student Poster Awards
7:00 pm

Grand Pacific Ballroom, Salons ABCDEF

About the Society

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

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

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

Reservations may be made by calling 1-800-228-9290 or 949-640-4000.

Fax: 949-729-3504

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

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

Return by June 1, 2006 to:

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

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

Name _____

Preferred Name for nametag _____
(if different than above)

Title _____

Company _____

Address _____

City _____

State/Province _____ Zip _____

Telephone () _____

Fax () _____

Email _____

Registration Costs*

Before June 1	After June 1
Members: \$160	Members: \$185
Students & Retired: \$50	Students & Retired: \$75
Nonmembers: \$240	Nonmembers: \$265

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

Credit Card

(VISA or MasterCard only)

Expiration Date _____

Signature _____

OR

Please make check payable to:

Society of Wood Science and Technology

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

When: Sunday, June 25, 2006

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

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

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

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

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

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

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Characterization of the Cellulosic Cell Wall

Edited by: Douglas Stokke (Iowa State University) and Leslie Groom (US Department of Agriculture, Forest Service)

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

Cost to SWST Members: \$100 (while supplies last). Regular price is \$149 from Blackwells Publishing.

Order from SWST Executive Office, One Gifford Pinchot Drive, Madison, WI 53726, ph: 608-231-9347, fax: 608-231-9592, email: vherian@fs.fed.us

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\$6.9 Million Federal Bioproducts Research Grant at UMaine Will Help Create Forest Biorefinery

ORONO, Maine -- The University of Maine announced today that it has been awarded a \$6.9 million research infrastructure improvement grant from the National Science Foundation's Experimental Program to Stimulate Competitive Research (NSFEPSCoR). UMaine is investing a 50 percent match (\$3.45 million) for this project through the Maine Economic Improvement Fund, the state's appropriation for university R&D, bringing the total investment to \$10.35 million.

With the grant, for years 2006-2009, UMaine will conduct forest bioproduct research and development in fields including engineering, chemistry, biology, forest ecology and economics. This university-based science will enable Maine's private sector to build an integrated forest biorefinery -- one that allows mills to create new, high-margin revenue streams while maintaining their traditional production. This could be the first integrated forest biorefinery in the country.

"The University of Maine is the economic catalyst for the state," Gov. John Baldacci said, addressing a crowd in UMaine's Jenness Hall. "With this federal grant and the University match, Maine will again propel forward in the critical research and development that will enable us to better compete in the 21st Century Economy."

UMaine's method of biorefining entails extracting chemicals from wood chips or

shavings before the wood is further processed into pulp or oriented strand board (OSB), preserving the quality of the wood for further processing. The chemicals extracted could be sold as new feedstocks or used on-site to manufacture materials such as fuel ethanol, plastics and specialty chemicals such as coatings – virtually everything currently made with oil.

The grant will create immediate openings for about 45 people, including three new faculty members to be recruited to UMaine. Post-doctoral positions will also be created, as will jobs for graduate and undergraduate students, administrative and technical staff. UMaine will also purchase the most advanced equipment necessary to conduct the research quickly and efficiently.

UMaine's laboratory research will help make this process viable on a commercial scale, and it will help determine what kinds of products could be made from the material and how to make them. It will also explore new products never before considered from wood, including nanotechnology components.

The grant will enable UMaine to work with faculty and students from the University of Southern Maine and other public and private universities and colleges in the state to combine research efforts and to provide educational opportunities throughout the state. In all, the research of more than 25 faculty positions at UMaine and at other schools will be supported by this grant.

UMaine will also partner with leaders from the private sector, including land owners, pulp and paper, building materials and chemical industries. Other regional, national and international partners will also participate.

"By taking this 'holistic' approach, Maine has the opportunity to build on our current knowledge and history in forest-based industries. We have momentum to build a vibrant, globally competitive, brand new industry that's more efficient, high-valued and also environmentally cleaner," says Hemant Pendse, managing director of the NSF EPSCoR grant and chair of the Department of Chemical and Biological Engineering at UMaine.

A key aspect of this research is understanding how to sustain forest lands. "Healthier forests will have higher value; higher-valued forests will receive closer, better ecological attention," says Stephen Shaler, scientific director of the EPSCoR grant and a professor of Wood Sciences Technology at UMaine.

By incorporating specialists in forest-specific research, as well as researchers in resource economics and policy, and by working with land owners, UMaine can help find ways to make forests healthier. This, in turn, will help Maine, Northeast and U.S. foresters compete in the marketplace with cheaper wood supplied by other countries.

"The work we do with the NSF EPSCoR grant will establish Maine as the most advanced and knowledgeable place in the world for forest bioproduct work. It will also teach us how to be better stewards of our forests, and it will lessen our dependence on petroleum," Shaler says.

"This is truly a significant day for the University of Maine, for the state of Maine, and for the people of Maine," says UMaine president Robert Kennedy.

"UMaine has a responsibility to be the harbinger of scientific discovery and, in many ways, the bellwether of economic prosperity. This project enables UMaine to ensure our role in the state's economy with the creation of new jobs, with the ability to perform research and develop ideas that create and enhance industry and with unique, highly relevant educational opportunities."

Using the infrastructure created by the grant, "discussions are underway to determine the feasibility of establishing a Forest Bioproducts Research Institute (FBRI) at UMaine, which would involve basic and applied research and industry interests," says UMaine vice president for research Michael Eckardt.

The FBRI would be a permanent program that will advance this research long after the grant expires. This is the largest NSF EPSCoR grant awarded to UMaine. Other UMaine programs that began with NSF EPSCoR grants include the Advanced Engineered Wood Composites Center (AEWC) and the Laboratory for Surface Science and Technology (LASST). Since opening in June 2000, the AEWC has attracted more than \$36 million in grants and contracts. In 2004, LASST opened its "Class 1,000 Clean Room" and an expansion of other laboratories that have attracted millions of dollars in federal grants.

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News from West Virginia University

One of our Wood Science students was selected as the Mountaineer mascot at Monday's nationally televised basketball game. Here's what Brady Campbell had to say about the program:

"In addition to representing the state and school, I would also be representing my hometown of Charleston and my major, wood science," he wrote in his application. "My involvement with this program and my continual advocacy of the excellent classes and capable professors would raise awareness at the school, in the state and around the country."

He added, "Timbering represents one of the major industries in this state and highlights a resource that has, throughout the country's history, made this region and state great."

News release: http://www.nis.wvu.edu/2006/mascot_06.htm.

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Forest Products Society 60th International Convention

<http://www.forestprod.org/confam06.html>

**June 25-28, 2006
Newport Beach Marriott**

Newport Beach, California, USA

Members of the FPS Pacific Southwest Section, hosts of the Forest Products Society 60th International Convention, invite you to join them in Newport Beach, California, June 25–28, 2006. In addition to the hundreds of technical and scientific papers and posters covering all aspects of the forest products profession we have a special day of plenary presentations focusing on "Housing for the 21st Century: Building Smart".

PLANNING COMMITTEE

General Chair: John Shelly, Cooperative Extension Advisor, Woody Biomass Utilization, University of California at Berkeley, Richmond, CA

Companion and Youth Program Chair: Janelle L. Leafblad, Engineer, Simpson Gumpertz & Heger Inc, San Francisco, CA

Focus Day Chair: Stephen L. Quarles, Cooperative Extension Advisor, University of California at Berkeley, Richmond, CA

Host Reception Chair: Kevin A. Flynn, Consulting Wood Technologist, Flynn & Associates, El Cerrito, CA

Paul Bunyan Party Chair: John Shelly, Cooperative Extension Advisor, Woody Biomass Utilization, University of California at Berkeley, Richmond, CA

Pre- and Post-Meeting Tours Chairs: Mark Manning, Engineer, and Fred Ascherl, Technical Market Specialist, U.S. Borax, Valencia, CA

Public Relations Chair: Donn Zea, President, California Forest Products Commission, Auburn, CA

Recreational Events Chairs: Charles J. Jourdain, Vice President, California Redwood Association, Novato, CA; and Arthur B. Brauner, Former Executive Vice President, Forest Products Society, Madison, WI

Student Activities Solicitation Chair: Craig Flynn, Windsor Mill, Windsor, CA

Student Needs Chair: K. Josephine Pavia-Jones, Graduate Student Researcher, Department of Forest Products, University of Idaho, Moscow, ID

Technical Program Assistance Chair: Doug Piirto, Professor, Department of Natural Resources Management, California Polytechnic University, San Luis Obispo, CA

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Special Call for Posters

Forest Products Society - 2006 International Conference
Newport Beach, California

Poster Session Co-Sponsored by the following FPS Technical Interest Groups:
Energy & Environmental Issues Group, Economics & Financial Management Group,
and Timber Production & Harvesting Group

Session Theme: Woody Biomass Utilization Challenges and Opportunities

Recognition of excellence will be given to the top poster best representing the session theme. All posters of merit will be included in an FPS Published Proceedings which includes papers from the Technical Session.

Interest in finding economically viable uses of woody biomass is growing across the country from the high wildfire risk communities in the Western U.S. to the pine plantations of the South. This session will focus on the issues associated with low-quality/low value biomass as a raw material and how businesses can help overcome these limitations to achieve sustainable, cost-effective solutions to benefit communities and forestland managers. Posters are requested covering the following topics.

Forest health and community fire hazard policy goals and program initiatives.

- * Forest health and energy policy goals - lowering fire hazard, reducing costs, economic development opportunities, initiatives and incentives, energy bills, sustainable feedstock, role of short rotation woody crops, Western Governors' Association power initiative.

- * Wildland urban interface goals, documenting educational programs, and using informational databases.

Forest treatment and biomass use strategies to help meet policy goals.

- * Broad scale evaluation of forest treatment and biomass use alternatives in meeting policy goals; including the evaluation of biomass removal treatments, treatments that do not remove biomass, and the effects of incentives and subsidies.

- * Potential market impacts of biomass use - wood markets, energy markets.

Harvesting and transportation.

- * Technology and equipment options for harvesting forest biomass.

- * Economic evaluation of harvest and transport alternatives.

Conversion technologies.

- * Technology updates on methods to produce energy, fuel, and other value-added products, emissions, and emission controls.

- * Economic analysis and case studies.

Life-cycle environmental impacts of biomass utilization options.

- * Energy production, wood products, chemical manufacturing.

Individuals interested in giving a poster presentation must submit the on line form at <http://www.forestprod.org/am06poster.html> as soon as possible - no later than May 1, 2006 to meet the deadline for inclusion in the final program for the meeting. Detailed information and guidelines for presenting a poster will be e-mailed to each presenter after the May 1st deadline.

Direct questions to TIG Chair, Maureen Puettmann,
maureen.puettmann@oregonstate.edu

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SPC: Path to Quality in Wood Products Manufacturing

**April 24-25, 2006
Portland, Oregon**

Presented by:

The Willamette Valley Chapter of Forest Products Society
Oregon Wood Innovation Center of Oregon State University

About This Workshop

This two-day Statistical Process Control Workshop provides the knowledge necessary to evaluate and improve your wood products operations using the tools of Statistical Process Control (SPC). Applying SPC and other modern quality management techniques can make product quality a priority through all levels of wood products processing.

Who Should Attend

Production managers, quality control personnel, quality assurance personnel, and others interested and responsible for establishing and maintaining an environment of process and product quality.

Agenda

Monday, April 24, 2006

- Registration (7:00-8:15 a.m.)
- Welcome (8:30 a.m.)
- Tool bag of tricks - how SPC fits in with other quality tools and techniques
- Basic statistics
- Wood variability & SPC - blaming good wood for bad things
- Saying it with data
- Data collection and sampling
- Tools of SPC
- Vendor display and reception (5:00 - 7:00 p.m.)

Tuesday, April 25, 2006

- Program starts (8:30 a.m.)
- Process mapping
- So many charts to choose from - which one should I use?
- Constructing and interpreting charts
 - Part 1 - Variables
 - Part 2 - Attributes
 - Part 3 - Special topics
- Process capability - where do customer expectations fit into SPC?
- Are you in control but not capable?

- Acceptance sampling - does garbage in equal garbage out?
- Six sigma - what's the buzz?
- How to start an SPC program
- How to keep an SPC program alive (care and feeding of SPC)
- How to measure success (benchmarking)

Fee and Registration

The registration fee is \$445 for Forest Products Society members and \$495 for non-members. The fee to attend the workshop and become a member of the Forest Products Society is \$570 (a savings of \$50 over non-member registration and membership). The cost for booth space is \$100. The registration fee includes the cost of instruction; a complete set of notes; a CD containing SPC templates in Excel; wood-shrink-swell software; and the USDA Wood Handbook; refreshments during breaks; and lunch for both days. To enroll, please go to our web site <http://outreach.forestry.oregonstate.edu/spc> .

Sponsors:

PNW Section of Forest Products Society
TECO Corporation
Western Wood Products Association

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Lean Manufacturing for the Wood Products Industry

May 8-10, 2006

Wood Education and Resource Center

Princeton, WV

This 3-day workshop will bring the latest in Lean Manufacturing technologies to managers in wood products businesses. Workshop activities and lessons will help you identify target opportunity areas in your business for improvement, provide a step-by-step guide for the implementation of "lean systems", and direct the organization toward a philosophy of continuous improvement needed for today's increasing competition. See how to use lean tools to improve quality and increase on-time shipments while reducing manufacturing cycle time, labor input, work in process, and required floor space. This workshop is Virginia Tech's 6th Lean Manufacturing Workshop for the wood products industry updated with new learning simulations and industry examples applied to primary and secondary wood products manufacturers. We will visit with a local wood products manufacturer that has successfully adopted the lean philosophy to improve their operations. The workshop is co-sponsored by the Virginia Tech's *Sloan Foundation Forest Industries Center*, the USDA Forest Service's *Wood Education and Resource Center*, and University of Minnesota Duluth's *Natural Resources Research Institute*. Workshop agenda and registration information is available online at:

<http://www.forestindustries.vt.edu/workshop.html>

This course is relevant to sawmill, pallet, dimension, flooring, moulding, cabinet, furniture, and other manufacturing operations supporting the wood products industry. We value stream map a variety of wood products manufacturing operations and discuss wood-related issues such methods to maintain sufficient inventory that balances between yield and demand uncertainties.

Workshop seats are filling fast so please register soon. For further information or paper copies of registration materials, please contact:

Earl Kline

Virginia Tech

Blacksburg, VA 24061-0323

540-231-8841

kline@vt.edu

www.forestindustries.vt.edu

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Progress in Wood & Bio Fibre Plastic Composites 2006 International Conference

May 1-2, 2006

Toronto Marriott Eaton Centre, 525 Bay Street, Toronto, ON Canada

<http://www.oce-ontario.org/pages/program/WoodFibres2006/woodfibres.php>

Please join us for this important international conference that will examine recent progress in the science, technology, economics and applications of wood and other biofibre-plastic composites. The high conversion efficiency of raw materials to finished products, diverse product and market opportunities, and the flexible yet automated processing technology continue to attract new investment into this young industry. It is an added bonus to both manufacturers and consumers that these composites are green and eco-friendly since the fibres used in their manufacture are derived from renewable resources, the energy requirement for processing is modest, and the products are easily recycled at the end of their service life.

The conference will bring together business leaders, scientists, marketing and technical experts, and students from around the world. The program opens with a Plenary Session, focusing on economics and markets, issues of long-term product performance, novel approaches to develop improved composites, and the challenges that rising energy and feedstock prices pose for the industry. The Plenary Session will be followed by a slate of excellent technical papers that will address a broad range of topics,

including recent developments in fibre preparation, novel additives, new processing technologies, experience with applications and performance from building products to automotive components. The participation of suppliers of materials, additives, processing technology and consulting services in the Suppliers' Showcase, plus the involvement of students in the Technical Forum presentations will enhance the experience and opportunities for networking at this conference.

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Advances in Resin Technology & Pressing Technical Workshop

April 10 2006

<http://www.woodsymposium.wsu.edu/>

**Part of the
2006 International Wood Composites Symposium
April 11-12 2006**

The 40th International Wood Composites Symposium sponsored by the Wood Materials and Engineering Laboratory (WMEL) and Washington State University Extension will be held in Seattle, WA, from April 10-12, 2006.

The symposium is an industry-driven forum for producers, suppliers, and researchers to discuss the latest market developments and advances in wood composites technology.

To view the Symposium Agenda click [here](#)

Register online at <http://woodsymposium.wsu.edu/conference/REGISTRATION.html>

Please contact us by email at symposium.info@wsu.edu if you have any questions.

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Notes from the Spring SWST Board Meeting

- 49th Annual Convention, Society of Wood Science and Technology
June 25, 2006, Newport Beach Marriott Hotel, Newport Beach, California
 - [Session I: The Effect of Decay on the Performance of Wood Buildings Under Earthquake Loading and How We Might Improve Performance](#)

- Session II: The Role of Utilization Research in Hazardous Fuels Reduction
 - Session III: The Aftermath of Katrina: The Wood Products Industry Response
 - Session IV: Moisture in Wood: Problem for Housing and Wood Construction
- Student Poster Competition, Sunday, June 25, 2006, judging from 2:00 to 5:30 pm. Winners announced at Host Reception at 7:00 pm
 - SWST remains active on Agenda 2020 Chief Technical Officers Committee and TAW (Technically Advanced Workforce) Committee
 - Wood and Fiber Science: The biggest problem is still with the reviewers who do not return their reviews even after multiple reminders.
 - Editor, Associate Editor and Publication Policy Committee will check into electronic publishing possibilities
 - A CD or DVD will be available for sale by June 2006 that contains pdf version of all past articles published in Wood and Fiber Science
 - CORRIM report was produced as a special issue (December 2005) of Wood and Fiber Science. Extra copies are available for sale.
 - A new service will be offered on the SWST website where resumes, job openings, and scholarships can be posted.
 - SWST should have a presence at the 2007 IUFRO meeting in Taiwan
 - A membership survey is being developed
 - Tony Zhang's paper on Wood Research Funding Programs in Canada has been put on the RIC Blog. It can be accessed at [http://swst.research.wsu.edu/discuss/msgReader\\$117](http://swst.research.wsu.edu/discuss/msgReader$117)
 - Visiting Scientist Program list of scientists has been updated. Mailings went out to universities, government, and industrial contacts that may be interested in hosting a scientist.
 - The Nanotechnology Conference will take place in Atlanta April 26-28
Information can be accessed at <http://www.tappi.org/index.asp?pid=33081&ch=4&bhcd2=1144676913>

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SWST Snapshot

SWST Membership	March	Wood & Fiber Science Journal	March
Full members	266	Subscribers	197
Student members	41	Delinquent Subscribers	47

Retired members	44	Number of articles in 38(2)	17
Affiliate members	4	<i>Currently in the pipeline</i>	
Delinquent members	43	Ready for typesetting	18
Web Page		Under revision by authors	11
Number of unique visitors	773	Under review	33
Number of new visitors	413	Financial	
Megabytes transferred	406	Cash & Bank Accounts	\$159,219.91
More data: http://www.swst.org/nettracker/reports/		Investments	

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About SWST

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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.

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