



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

Name _____

Preferred Name for nametag _____
(if different than above)

Title _____

Company _____

Address _____

City _____

State/Province _____ Zip _____

Telephone () _____

Fax () _____

Email _____

Registration Costs*

Before June 1

Members: \$160

Students & Retired: \$50

Nonmembers: \$240

After June 1

Members: \$185

Students & Retired: \$75

Nonmembers: \$265

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

Credit Card

(VISA or MasterCard only)

Expiration Date _____

Signature _____

OR

Please make check payable to:

Society of Wood Science and Technology