



Newsletter

SOCIETY OF WOOD SCIENCE AND TECHNOLOGY
September/October 2004

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SWST Snapshot

SWST Membership	October 2004
Full members	291
Student members	63
Retired members	50
Affiliate members	4
Delinquent members	41
Fellows	2

Financial	October 2004
Cash & Bank Accounts	\$97,790.25
Investments	\$57,918.03
Liabilities	\$650

Upcoming/critical issues

- New member survey coming soon.
- Re-investigating of SWST certification of wood scientists and technologists.
- Change to the judging rules for the student poster competition.

Wood And Fiber Science Journal	October 2004
Subscribers	235
Delinquent Subscribers	31
Number of articles in 36(4)	16
<i>Currently in the pipeline</i>	
Ready for typesetting	30
Under revision by authors	32
Under review	21
Rejected	3

Web Page	Sept./Oct. 2004
Number of unique visitors	1,663
Number of new visitors	1,260
Gigabytes transferred	1.4
More data: http://www.swst.org/nettracker/reports/	

NEWS

Jim Bowyer, Professor, University of Minnesota, recently presented a keynote address in Geneva, Switzerland at the joint Timber Committee (United Nations/Economic Commission for Europe)-European Forestry Commission (Food and Agriculture Organization of the United Nations). The meeting was held at the United Nations. Jim spoke about forest sector policy issues and implications.

Richard Vlosky, Professor and Director, Louisiana Forest Products Development Center, recently chaired a meeting of the Team of Specialists on Forest Products Markets and Marketing, part of the Timber Committee, United Nations/Economic Commission for Europe/Food and Agriculture Organization of the United Nations. The meeting was held at the United Nations in Geneva, Switzerland.

Dr. Zhiyong Cai has joined the Performance Engineered Composites group at the USDA Forest Service, Forest Products Laboratory in Madison WI. In the FPL composites group, Dr. Cai will pursue research into enhancing the stability and properties in wood-based composites and in using composites to add value to small-diameter, under-utilized wood- and/or other bio-fibers. In 1997, Dr. Cai received his PhD from the Department of Forestry and Natural Resources at Purdue University. From 2001-2004, Zhiyong was an Assistant Professor in the Department of Forest Science at Texas A&M University in College Station Texas. From 1998-2001, he also worked for Temple-Inland in MDF research and technical services. His FPL phone number is 608-231-9446 and his email is "zcaif@fs.fed.us".

Mike Barnes and Terry Amburgey, Professors at Mississippi State University, Department of Forest Products were recognized with the American Wood-Preservers' Association's highest award, the Award of Merit, at AWPA's 100th anniversary meeting in Vancouver, BC this past May.

Francisco X. Aguilar, PhD student in the Louisiana State University Forest Products Marketing Program, was accepted into the Resources for the Future (RFF) Internship Program for summer 2004. This is a very prestigious program that accepted 12 individuals from such institutions as Yale, Harvard, MIT and New York University. Francisco co-authored a report to the World Bank titled "Corporate Codes of Conduct: Is Common Environmental Content Feasible?" Francisco prepared the section on Forest Products Certification Programs as examples of Environmental Corporate Codes of Conduct.

Sanna M. Kallioranta, PhD student in the Louisiana State University Forest Products Marketing Program, was a Summer 2004 Marketing/IT Intern with Stora Enso North America, Wisconsin Rapids, WI. Sanna led a paper industry eBusiness benchmark and development project. Stora Enso is the world's second largest forest industry company with 44 000 employees in more than 40 countries in five continents and an annual production capacity of 15.7 million tons of paper and board and 7.4 million cubic meters of sawn wood products, including 2.8 million cubic meters of value-added products.

New format for the annual meeting

SWST 48th Annual Convention on Sunday, June 19, 2005 in Delta Quebec Hotel, Quebec City, Quebec, Canada will have a new format:

8:30-11:30	Two concurrent technical sessions
11:30- 1:00	Business meeting/awards/lunch
1:00- 4:00	Two concurrent technical sessions
4:00- 5:30	Fundamental Disciplines tech forum and Student Poster Competition
5:30- 6:30	SWST Committee Meetings
6:30- 8:00	Joint SWST/FPS Host Reception

A new standing committee has been proposed that would be focusing on Wood Science research funding activities. Initially the committee might have the following responsibilities:

- Advocate for continued SWST involvement in the NRI process (ensure we have wood research panel members & mgrs. by maintaining and supplying ad-hoc reviewer databases)
- Develop more effective mechanisms to lobby for the profession/science
- Communicate funding issues and opportunities to SWST members
- Explore funding for wood research beyond the USDA/NRI

Student Poster Competition. A change to the judging rules for the SWST student poster contest so that the judging portion would not include a verbal presentation by the students has been proposed. Also, the abstracts from the students' poster should be published.

New **member survey** will be circulated soon. Please participate when it arrives in your mailbox.

Professional certification of wood scientists and technologists. The board is considering re-investigation of this issue.

Call for Nominations for the SWST Distinguished Service Award

The Past President's Council of SWST cordially invites nominations for the Society's highest honor, the Distinguished Service Award (DSA). This award is made by SWST in recognition of distinguished service to the profession as a whole. Such service may have been made in any educational, technological, scientific or professional area directly related to the profession of Wood Science and Technology in furtherance of the objectives of the Society as outlined in its Constitution and Bylaws.

The recipient of this award will receive an appropriate plaque to commemorate the event; life membership in the Society; and a citation in Wood and Fiber Science. When appropriate, they will be asked to deliver a paper on some aspect of their work or interests at a time and place to be agreed upon between the Executive Board of the Society and the recipient.

A nominee for this award is not required to be a member of SWST, but must be endorsed by at least ten (10) members who are in good standing. The letter of nomination must be made to the Executive Board of the Society through the Past Presidents' Council. It must be accompanied by a complete background of the nominee's accomplishments, contributions, and services to the profession of WS & T as outlined above. These should be so broad-based and substantial in nature as to render a nominee, if finally selected to receive this honor, to be a person of recognizable stature in the minds of the membership of the Society. The nomination packet should also include the letters of endorsements from the 10 members. This can be submitted in hard or electronic copy. In general, recipients of this honor will be people who have reached high levels of attainment. However, age limits or requirements of service to the Society itself are not to be considered limitations of this award.

Please submit your nomination(s) to Doug Stokke, Chair of the Past President's Council and DSA Subcommittee; Iowa State University, Department of Natural Resource Ecology and Management, 124 Science II, Ames, IA 50011-3221 (dstokke@iastate.edu), by January 1, 2005. The complete DSA guidelines may be found at <http://www.swst.org/dsaguide.html>, and a list of past recipients at <http://www.swst.org/dsarecip.html>.

Call for Nominations for SWST Fellow

The Society invites nominations for the distinction of SWST Fellow. The purpose of this award is to recognize significant contributions to the wood science and technology profession and service to the Society by SWST members. The criteria for election to the distinction of SWST Fellow are significant contributions to the Society of Wood Science and Technology and the wood science and technology profession while being a voting member of SWST.

Significant contributions to the Society of Wood Science and Technology include activities that demonstrate continuing commitment and leadership to SWST. Leadership commitment should include some of the following; (1) Past president of SWST; (2) election to SWST Board of Directors for two terms; or (3) numerous terms of service, including committee chair or committee member.

Significant professional accomplishments include refereed publications and professional presentations that advance wood science and technology at the regional, national, or international area over a 15-year period.

An SWST member may be nominated for the membership rank of SWST Fellow by any other SWST voting member. The nomination will be reviewed by the Past Presidents' Council. The Council will make recommendation to the Executive Board by March 1 of each year. Election to the rank of SWST Fellow will require a majority vote of the SWST Board of Directors.

All nominations for the rank of SWST Fellow must be forwarded by January 1, 2005 to Vicki Herian, Executive Director, SWST, One Gifford Pinchot Drive, Madison, WI 53726-2398 (vicki@swst.org), and must include a letter of nomination and a resume with SWST and wood science and technology professional contributions by the nominee. All members elected to the

membership rank of SWST Fellow will be announced at the annual meeting and presented an appropriate plaque by the SWST president.

A new resource web site for woodworking industry education and training

<http://WoodIndustryEd.org>

GAO approves Lugar Study of Wood Research and Technology Transfer (from Lugar's office press release).

U.S. Senator Dick Lugar has been notified that his request for a U.S. General Accountability Office (GAO) study concerning wood products research has been approved. The study will begin around the first of next year. On July 13, 2004, he requested the GAO:

- evaluate the current ability of the federal government to assist industry with wood utilization and product development;
- evaluate the programmatic and budgetary support and personnel capacity for basic wood and material sciences; and
- evaluate the federal capability to develop emerging technologies and transfer them into products and manufacturing processes.

Lugar requested the report with Agriculture, Nutrition and Forestry Committee Chairman Thad Cochran (R-MS). Lugar is former chairman and a senior member of the committee.

Next year will be the 100th anniversary of the Forest Service and 2010 will mark the 100th anniversary of the creation of the Forest Products Laboratory that provides research and technical assistance to wood product users and manufacturers and is administered by the Forest Service. The Senators are interested in reviewing the historical and current level of federal funding and the specific wood-related research programs managed by the wide scope of federal agencies active in the wood products and wood consuming sector of the economy. They have expressed interest in GAO reviewing "the use of wood materials, fiber and/or support the introduction of new products, processes or technology for the wood manufacturing and consuming industries in the United States."

Contact: Andy Fisher 202-224-2079 or Nick Weber 317-226-5555 Date: 9/13/2004
website: <http://lugar.senate.gov> • e-mail: senator_lugar@lugar.senate.gov • press e-mail: nick_weber@lugar.senate.gov

Synopsis of the International symposium on Wood science – education and research programs.

Against the dramatic backdrop of the High Tatra Mountains in northern part of the Slovak Republic, an International Symposium on Wood Science- Education and Research Programs was held in Stará Lesná. This first time symposium was organized in an effort to create an international forum for exchanging ideas on the development of wood science curricula from

around the world. The 3 day symposium was co-sponsored by The Technical University in Zvolen, the International Union of Forest Research Organizations (IUFRO) and the Society of Wood Science and Technology (SWST). Although the participation in this first symposium was modest, academic programs representing eight countries from North America and Europe contributed papers. Academic programs participating in the symposium:

Academic Program	Country
University of British Columbia	Canada
University of Helsinki	Finland
University of Gottingen	Germany
University of Brno	Czech Republic
University of Western Hungary	Hungary
The Technical University	Slovakia
North Carolina State University	USA
Purdue University	USA
University of Massachusetts	USA
University of Maine	USA
University of Natural Resources	Austria

Topics covered at the symposium included development of new academic programs and curriculum in wood science and technology at both the undergraduate and graduate level, accreditation of academic programs, and delivery of continuing education for practicing professionals.

Conference attendees were also able to sample Slovak culture through participation in a hiking excursion in the High Tatras, a visit to a Slovak village museum, and attendance to a typical Slovak barbeque. It should be mentioned that the Slovaks produce excellent wine and beer. A post symposium tour included a visit to The Technical University in Zvolen, and the Swedewood manufacturing facility.

It is clear from the discussions among the conference participants that the symposium which focused primarily on educational aspects of wood science was enlightening and an important forum for presenting novel pedagogical ideas. Some common themes and ideas arose during the symposium. These are listed in no particular order of significance:

- The teaching of basic wood material properties is still an important foundation of wood science based academic programs.
- There is a need to better link the teaching of tree biology and forestry practices to wood science material properties.
- Accreditation or evaluation of academic programs whether done by a professional society such as SWST or by an academic board at state or country level is deemed important, and exploring international academic accreditation of wood science programs should be explored in greater detail.
- Novel or modified academic programs based on wood science and technology shown to be successful rely on input from the end user groups be they industrial producers or forest

products distributors.

- Recruitment of students is still a primary issue at academic institutions represented at the conference. Several programs have experienced success in recruitment, and the factors contributing to this success should be disseminated to the profession.
- It is recognized that the development of emerging technologies of which wood is a component including advanced wood-polymer hybrid composites will require education in materials science and engineering. What will be effective teaching methods for addressing these emerging materials? This will most likely be done at the post graduate level or in 5 year programs that are normal for European academic programs.
- Great cooperation among wood science academic programs. Wood science academic programs should be working together to build on strengths. The issue of standardization of programs across European Union countries and globally in transferring course credits across programs was a common theme in many presentations.

The participants agree that another conference of this type should be held in 3 years. It is hoped that there will be greater participation in a future conference with participation of other parts of the world including Africa, Asia, Australia and South America. Sopron, Hungary is a potential location for the next conference

Clarification

In the 2004 Annual Meeting Report, at the point about the Student Poster Competition, Jerome Alteyrac's affiliation was incorrectly stated as Forintek Canada Corp. Although he works in cooperation with, and resides in Forintek, he is enrolled in the Universite Laval PhD Program.

CORRIM STUDY

Environmental costs of home construction lower with wise choice, reuse of building materials.

Most of the energy that goes into building U.S. homes is consumed – not by the power tools, welding and trucking during construction – but during the manufacture of the building materials, according to a comprehensive life-cycle assessment comparing typical wood-, steel- and concrete-frame homes.

Using the least energy-intensive building materials – and taking steps toward such things as recycling and reusing more building materials – makes sense considering the nation's energy concerns and attendant issues of pollution and global warming, according to University of Washington's Bruce Lippke, professor of forest resources. He and 22 other authors recently published a report tallying the environmental impact of home construction.

Considering the energy required to produce building materials, construct, maintain and demolish a house on a time period of 75 years is one part of a cradle-to-grave analysis known as a life-cycle assessment. In this case researchers determined that the construction of a hypothetical Minneapolis steel-frame home used 17 percent more energy than the matching wood-frame

home. Constructing the study's hypothetical Atlanta concrete-frame home used 16 percent more energy than a matching wood-frame house. The designs in both cases were typical of homes in those regions.

Choosing construction materials wisely is significant, Lippke says, because building 1.7 million houses using wood-, steel- and concrete-frame construction each year consumes as much energy as heating and cooling 10 million or more homes a year. Better material selection and house design could reduce energy use during home construction substantially, he says.

The energy tallied for the study included not just electricity but also such things as diesel and fuel oil to extract and haul materials, natural gas to generate steam in lumber mills and electricity for steel mills. "Everything kind of flows from energy consumption," Lippke says. "If you're using energy, you're polluting water, polluting air and kicking out carbon dioxide emissions."

Indeed, the carbon emissions associated with energy use represented one of the more important environmental impacts, the report says. The researchers considered, for example, carbon dioxide, methane and nitrous oxide emissions generated during the life cycles of the homes, as well as the length of time these greenhouse gases linger in the atmosphere, to determine the global warming potential of different construction materials. They estimate the global-warming potential of the steel-frame home to be 26 percent higher than the wood-frame, and the concrete-frame home was 31 percent higher than the comparable wood-frame.

Two designs of typical houses were analyzed in the study by the Consortium for Research on Renewable Industrial Materials, a research group started by 15 universities and research institutes, see <http://www.corrim.org/>. The \$1 million effort was supported by those institutions, the United States Department of Agriculture Forest Service, U.S. Department of Energy and major wood-product manufacturers.

A 12-page summary recently published in the Forest Products Journal and the full report are available at <http://www.corrim.org/reports/>. Life-cycle inventory international protocol experts reviewed the report and information from this study is slated to become part of the life-cycle inventory database for the designers and engineers at <http://www.nrel.gov/lci/>.

The report offers many suggestions of other opportunities to reduce the energy demands of home construction that include:

- Redesigning houses to use less fossil-fuel intensive products
- Changing building codes that result in excessive use of wood, steel and concrete
- Recycling demolition wastes
- Increasing durability of homes through improved products, construction designs and maintenance practices.

The Consortium for Research on Renewable Industrial Materials has started a new \$1 million research project that expands the current effort to include all U.S. wood-product supply regions, other non-structural wood products and additional research on design and process changes to reduce environmental burdens.

CONFERENCES

Bioenergy in Wood Industry, 12th -15th of September 2005, Jyväskylä, Finland.

The Wood Industry is a significant actor in the bioenergy sector. The industry is a big biofuel producer for the market and biofuel users. Bioenergy in Wood Industry Conference focuses on this sector. The Conference is held in 12th -15th of September 2005 in connection with the International Bioenergy and Wood Exhibition in Jyväskylä, Finland. The Conference will focus on the factors affecting the future of the bioenergy opportunities in fuel production, heating and power production in wood industry. The topics are timber felling wood residues as fuel, industrial by-products as biofuel, by-product refining to pellets and their use for heating and power production in the wood industry. Also emission trading will be one topic. Technical excursions will be held after the conference. Bioenergy in Wood Industry is organized by FINBIO. The successful Bioenergy 2003 with over 600 participants was also organized by FINBIO.

Papers are invited on the following topics:

1. Strategies, Politics, Legislation Tools and Implementation Issues: possibilities to support the EU-targets, Kyoto Protocol, national targets and free energy markets, security of energy supply
2. Bioenergy Markets and Business: international bioenergy markets, financial instruments, green certificates and emission trading, price competitiveness, management systems
3. Fuel Production in Sawlog Production: production, pre-treatment, procurement, transport and logistics
4. Wood Industry Fuel: potentials, quantities, measurements methods, qualities and properties
5. By-product refining: Pellets, briquettes and pyrolysis oil etc. production and use
6. Combustion and boiler systems: technologies and systems for wood industries
7. Combined Heat and Power Production (CHP): powerplants, small scale technologies and systems for CHP production
8. Environmental Technologies: flue gas cleaning, ash handling and recycling, sustainable development

More information: <http://seminaarit.ohi.net/default.asp?seminarID=3>

Wood Adhesives 2005, November 2-4, 2005, San Diego, California, USA

The eighth in a series of symposia sponsored every 5 years by the USDA Forest Service, Forest Products Laboratory designed to provide a comprehensive update of the science and technology of wood adhesives and bonded wood products.

Information transfer during the 3-day symposium will take place via a workshop, technical and poster presentations, tabletop exhibits, and a discussion forum on the following subject areas:

- Resin chemistry involving petroleum and biomass feedstocks
- Characterization of adhesive-wood interactions using new analytical techniques
- Durability of wood bonds
- Adhesive aspects of wood-based composites
- Performance of the adhesives in engineered wood products
- Current and future markets for wood adhesives and bonded wood products
- General and poster sessions

This symposium is sponsored by the USDA Forest Service, Forest Products Laboratory in cooperation with the Forest Products Society. As additional information on the program is developed, it will be available at <http://www.forestprod.org>.

8th International Conference on Woodfiber-Plastic Composites (and other natural fibers), May 23-25, 2005, Monona Terrace Community and Convention Center, Madison, Wisconsin, USA

Please join us for this important international conference on woodfiber-plastic composites. Emphasis will be on composites that incorporate virgin or recycled plastics and wood and non-wood natural fibers.

The conference brings together researchers, material and equipment suppliers, manufacturers, and end-users to discuss the latest R&D activities to advance the science, technology, and markets of these composites. The conference will feature technical and poster presentations, discussions, and tabletop exhibits on topics such as:

- Nanocomposites and microcellular foaming
- Adhesion and the interface
- Additive effects and chemistry
- Durability
- Processing issues
- Product design, performance, codes and standards
- Applications and markets
- Hosted by the USDA Forest Service, Forest Products Laboratory in cooperation with the American Institute of Chemical Engineers, University of Tennessee in conjunction with Oak Ridge National Laboratory, University of Toronto, and Forest Products Society.

For more information, complete this form and mail or fax it to the Forest Products Society, 2801 Marshall Court, Madison, WI 53705-2295 USA; Phone: 608-231-1361, ext. 208, Fax: 608-231-2152, E-mail: conferences@forestprod.org, www.forestprod.org.

Manufacturing Competitiveness of the Forest Products Industry: Competing in Today's Global Manufacturing and Consumer Marketplace, November 3-5, 2004, New Orleans, Louisiana, USA.

The North American forest products industry is facing many challenges in today's global marketplace, from resource procurement to environmental regulation to competition from off-shore manufacturers. The ability of the North American forest products industry to manufacture and compete in the global marketplace is being seriously challenged. Off-shore pressures from secondary manufacturers have begun to erode the manufacturing base of the secondary wood products industry. Primary producers face challenges in the commodity marketplace from off-shore producers and raw materials. Sustaining our manufacturing base is critical to the future of the forest industries in North America.

This conference is not about a search for a quick fix for the production environment. Nor is it about just another tool or new piece of equipment. Nor is it about getting together to share gloom and doom projections. This conference is about developing a state-of-the-art approach to competing in today's global economy. It is about understanding the value stream, aligning production with demand while achieving quality, and designing ultimate flexibility into forest products manufacturing systems. This conference is about manufacturing excellence. This conference considers examples of infrastructure and programming to support local, state, and regional forest products manufacturers. This conference is about competing. We have assembled an excellent group of speakers representing industry, universities, and government. Collectively, all intellectual capital and stakeholders must come together to develop a synergistic approach to promoting the competitiveness of our forest industries in the new world marketplace.

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

39th International Wood Composites Symposium, Pullman, WA, April 4-7, 2005.

Technical workshop on "Panel Surfacing Technology" on April 4, 2004. For further information visit <http://www.woodsymposium.wsu.edu>

Wood Identification Workshop

By Dr. Bruce Hoadley at University of Massachusetts will not be held in January 2005, but instead in winter 2005. For more information contact: progcoord@Continued.umass.edu (413-545-2484).

EMPLOYMENT OPPORTUNITIES

Head, Department of Forestry and Natural Resources, Purdue University

Responsibilities: The Department of Forestry and Natural Resources, School of Agriculture, Purdue University, invites applications for the position of department Head. The Head will lead a diverse group of outstanding faculty and staff in the research, teaching, extension, development and international missions of a major land-grant university. The principal focus of the Head is to accomplish departmental objectives through continuing and expanding internal and external support, managing and augmenting financial and physical resources, and wise stewardship of

human resources. The Head also is expected to serve as an advocate, liaison, and departmental representative within the university and with government agencies, lay and professional resource management groups, conservation organizations, related industries, and society at large. The Head will also be responsible for managing the departmental budget including considerable land holdings and endowments.

Qualifications: Candidates must have an earned doctorate, be eligible for tenure at the rank of Full Professor, and have had professional experience in forestry, wildlife, fisheries, forest products, or a closely related area. The department Head must have demonstrated strong leadership, communication, and administrative abilities and an appreciation for the diverse interests and missions of the department. Candidates will be considered from academia, industry, or government. The successful candidate will have demonstrated an outstanding record of scholarly achievement as well as the ability to successfully develop external financial support.

The Department: The department consists of 28 faculty members, 37 administrative and professional staff, 11 clerical staff, and 300 undergraduate and 70 graduate students. The annual budget exceeds \$7.7 million, with over 55% from sponsored research, gifts, and endowment funds. The department is one of 11 academic departments in the School of Agriculture. Interests of the faculty are diverse and encompass teaching, research and extension functions that advance knowledge of the natural resource sciences associated with the sustainable use of terrestrial and aquatic ecosystems. The department's expertise is diverse spanning forestry, wildlife, fisheries and aquatic sciences, wood products, human dimensions, spatial analysis, and natural resource management. The Hardwood Tree Improvement and Regeneration Center and the Illinois-Indiana Sea Grant Program, regional federal-state-industry-university collaborative efforts, also are located in the department. Five undergraduate curricula are offered: forestry, fisheries and aquatic sciences, natural resources, wildlife, and wood products. The department currently has an endowment exceeding \$90 million that provides substantial resources which are re-invested in departmental programs.

The Opportunity: The department is well positioned to remain one of the leaders in the natural resource sciences. It has a diverse, energetic faculty, greatly expanded facilities, nation-wide land holdings, and a large endowment. The successful candidate will have a vision to utilize these resources to fully develop the department's potential.

Salary: Commensurate with qualifications and experience.

Application Procedure: Qualified persons should submit the following: a letter of application; a statement of administrative philosophy emphasizing their ability to foster research, teaching, extension, development and international missions of the department; and, a complete curriculum vitae including the names, addresses, telephone and fax numbers, and e-mail addresses, if available, of five references. Nominations of outstanding potential candidates for the position are welcome. Applications will be accepted until December 15, 2004, or until the position is filled. Applications, nominations, and inquiries should be addressed to:

Ed Ashworth, Search Committee Chair

Forestry and Natural Resources Head Search
Purdue University

Office of the Dean of Agriculture
615 W. State Street

West Lafayette, IN 47907-2053

Contact Information: (765) 494-1306 (phone), (765) 494-7420 (fax), or ashworth@purdue.edu

Purdue University is an Affirmative Action/Equal Access/Equal Opportunity Employer.
Women and minorities are encouraged to apply.

Graduate Research Assistantship (Purdue University) is available for M.S students in the area of furniture design, construction, testing and manufacture. For more information contact Dr. Eva Haviarova, 1200 Forest Products Bldg., West Lafayette, IN 47907. Phone: (765) 494 3619, e-mail: ehaviar@purdue.edu.

STUDENT PROFILE

Diogo Baptista, University of Maine

Diogo Baptista, a Graduate Research Assistant at the University of Maine's Advanced Engineered Wood Composites Center is currently working on a Master's of Science in Forest Management under the advisement of Dr. Douglas J. Gardner. The focus of his research is to develop a new, low cost and reliable method to assess the water penetration resistance of protective surface treatments and coatings on wood based materials by image analysis.



Before attending the University of Maine, Diogo completed his undergraduate studies in Forest Engineering – Wood Science & Technology at the Technical University of Lisbon, Portugal, and also attended the Royal Institute of Technology, in Stockholm, Sweden. Further activity includes professional working experience in state-of-the-art facilities for pulp and paper manufacturing as well as sawmilling.

Upon graduation, Diogo looks forward to develop work in the surface science field, covering the applied areas of adhesion, coatings and compliant composites.

DOUG'S AMMUSEMENTS CORNER

Dr. Rhodeaus recalls his favorite "Andy Rooney" remarks...

Andy Rooney on Monica.

Can you believe it? Monica turned 28 this week.

It seems like only yesterday that she was crawling round the White House on her hands and knees.

Andy Rooney on Vegetarians.

Vegetarian - that's an old Indian word meaning "lousy hunter".

Andy Rooney on Prisoners.

Did you know that it costs forty thousand dollars a year to house each prisoner? Jeez, for forty thousand bucks apiece I'll take a few prisoners into my house. I live in Los Angeles. I already have bars on the windows. I don't think we should give free room and board to criminals. I think they should have to run twelve hours a day on a treadmill and generate electricity. And, if they don't want to run, they can rest in the chair that's hooked up to the generator.

Andy Rooney on Fabric Softeners.

My wife uses fabric softener. I never knew what that stuff was for. Then I noticed women coming up to me, sniffing, then saying under their breath, "Married!" and walking away. Fabric softeners are how our wives mark their territory. We can take off the ring. But, it's hard to get that April Fresh scent out of your clothes.

Andy Rooney on morning differences.

Men and women are different in the morning. We men wake up aroused in the morning. We can't help it. We just wake up and we want you. And the women are thinking, "How can he want me the way I look in the morning?" It's because we can't see you. We have no blood anywhere near our optic nerve.

Andy Rooney on cripes

My wife's from the Midwest. Very nice people there. Very wholesome. They use words like 'Cripes' 'For Cripes sake.' Who would that be; Jesus Cripes? The son of 'Gosh' of the church of 'Holy Moly'? I'm not making fun of it. You think I wanna burn in 'Heck'?

Rooney on Grandma

My grandmother has a bumper sticker on her car that says, 'Sexy Senior Citizen.' You don't want to think of your grandmother that

way, do you? Out entering wet shawl contests. Makes you wonder where she got that dollar she gave you for your birthday.

Rooney on answering machines.

Did you ever hear one of these corny positive messages on someone's answering machine? "Hi, it's a great day and I'm out enjoying it right now. I hope you are too.

The thought for the day is: "Share the love." BEEP

"Uh, yeah...this is the VD clinic calling....Speaking of being positive, your test results are back. Stop sharing the love

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 Rado Gazo, at: gazo@purdue.edu

The Society of Wood Science and Technology is a technical and professional organization for scientists and engineers working in academia, government, consulting and the forest-products industries and is dedicated to providing education and expertise regarding better ways to use and produce wood products.

Phone: (608) 231-9347

Fax: (608) 231-9592

E-mail: vicki@swst.org

Web site: <http://www.swst.org>

Society of Wood Science and Technology

President:	Audrey Zink-Sharp
Past President:	Douglas Stokke
President Elect:	Paul Smith
Vice President:	Doug Gardner
Executive Director:	Vicki L. Herian
Directors:	Dan Dolan (2005)
	Jeff Morrell (2005)
	Robert Beauregard (2006)
	Jerry Winandy (2006)

Wood and Fiber Science

Editor:	Geza Ifju
Associate Editor:	D. Earl Kline
Editorial Assistant:	Carol B. Ovens

SWST Newsletter

Editor:	Rado Gazo
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