

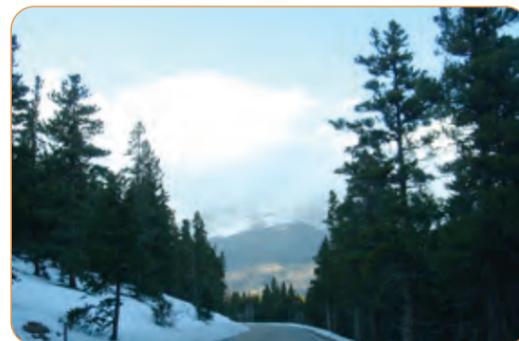


• REPRESENT THE PROFESSION IN PUBLIC POLICY DEVELOPMENT

SWST position statements provide science-based information to policy makers and the public at the national level, and articulate reasoned opinions of the professional wood science and technology community on national and international issues of interest and expertise.



SWST is a member of the Chief Technical Officers Committee for the Agenda 2020 Technology Alliance and meets quarterly to discuss current issues. ■



Policy Statements Currently Issued

- SWST Position on the Use of Life Cycle Inventory Data and Assessment (LCI/LCA) to Reduce Environmental Burdens
- SWST Position on the Use of Woody Biomass for Bioenergy



MEMBERSHIP QUALIFICATIONS

A member shall be a graduate of an accredited college or university as defined in Section 3 of the Constitution, and shall have met the formal education requirements or satisfied the permissible substitutions specified in the Bylaws.

QUALIFICATION FOR PROFESSIONAL MEMBERSHIP THROUGH FORMAL EDUCATION

1. A bachelor of science degree from an SWST-accredited program is sufficient qualification for professional membership. Evidence of the degree must be submitted to the Membership Committee.
2. The bachelor of science or an advanced degree (either of which has been earned through specialization) in the field of wood science and technology or forest products obtained from an accredited college or university is sufficient qualification for professional membership. Evidence of the degree must be submitted to the Membership Committee.
3. Specialization in the field of wood science and technology or forest products is defined as a course of study that includes the following elements:
 - a. Required background courses (basic sciences) are:
 - (1) A foundation in mathematics; (2) Chemistry; (3) General physics; (4) Biological science.
 - b. Requirements in wood science are as follows:
 - (1) A minimum background in wood science, including:
 - (a) Biology of wood. Studies of anatomical structure and identification of wood must be included. Additional courses may be in such areas as forest products pathology and wood microtechnique.
 - (b) Physics and chemistry of wood. This area includes such courses as wood chemistry, wood fluid relations, and the physical properties of wood.
 - (c) Wood engineering. Studies of the mechanical properties of wood must be included. Additional courses may be in such areas as engineering design of wood structures and engineering principles of wood processing.
 - (2) A meaningful program of study involving at least two or more of the following areas of concentration or specialization:
 - (a) Basic sciences and wood science. Additional studies in basic sciences and/or wood science, including research methods and techniques beyond the requirements specified in 3.a.1 and 3.b.1.
 - (b) Wood technology. Technological applications of wood science; wood processing, including drying, preservation, machining, gluing, and finishing of wood.
 - (c) Pulp and paper technology. The pulping of wood and conversion to fiber products; technology of fibers and paper products.
 - (d) Forestry and wood utilization. The production, distribution, and economics of wood and wood-based products.
 - (e) Industrial engineering and business, and industrial administration, including accounting, quality control, and business management.

QUALIFICATION FOR PROFESSIONAL MEMBERSHIP THROUGH SUBSTITUTION FOR DEFICIENCIES IN FORMAL COURSES

- A. Graduates of qualified colleges or universities whose formal education does not include all of the areas specified may receive credit applicable to professional membership eligibility as follows:
 1. If deficiencies exist in one of the wood sciences (biology of wood, physics and chemistry of wood, or wood engineering), credit earned in advanced courses in related general sciences (biology, physics, chemistry, or engineering) may be substituted for such courses. Creditable substitute courses will be only those over and above the foundation courses listed in 3.a.
 2. In areas of specialization (3.b.2), work experience in a responsible technical position may be substituted for education in the corresponding area.
 3. The applicant must furnish an official (college) transcript for all coursework to be considered in evaluating the membership application if requested to do so by the Membership Committee.
- B. An applicant also may qualify for professional membership provided both of the following requirements are satisfied:
 1. A bachelor or higher degree in a fundamental or other discipline related to the broad field of wood science and technology (as judged appropriate by the Membership Committee) awarded by a qualified college or university.
 2. At least two years of employment related to the wood industry, or in the field of wood science and technology, in a responsible technical position as judged by the Membership Committee.

REQUIREMENTS OF INTERNATIONAL EMERGING COUNTRY MEMBERSHIP

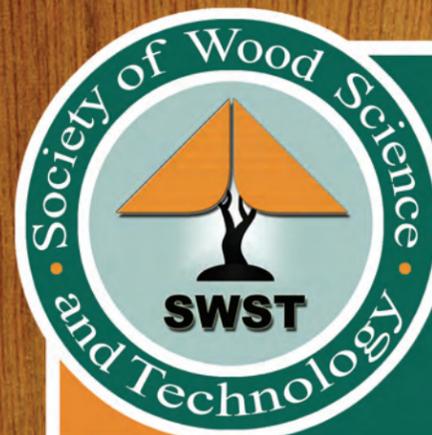
A. A member shall be from a "qualifying" country as recognized by SWST. Member should have the same requirements for membership as listed above. Note: Emerging Country Memberships include electronic access to publications only. No hard copies.

REQUIREMENTS FOR STUDENT MEMBERSHIP

A student member shall be an undergraduate or graduate student currently enrolled in a qualified college, university, or scientific school.

Accepted: Chair, SWST Membership Committee

Date



OUR VISION: To be the world leader in advancing the profession of wood science.

OUR MISSION: To provide service to SWST members; to develop, maintain, and promulgate the educational, scientific, and ethical standards that define the profession; and to advocate the socially responsible production and use of wood and lignocellulosic materials.

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SWST IS PLEDGED TO:

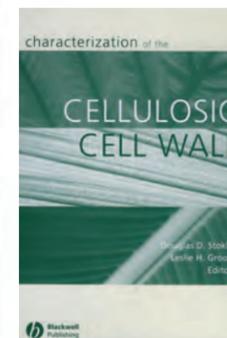
- DEVELOP AND MAINTAIN THE UNIQUE BODY OF KNOWLEDGE DISTINCTIVE TO WOOD SCIENCE, LIGNOCELLULOSIC MATERIALS, AND THEIR TECHNOLOGIES



Wood and Fiber Science Is Now Both an Electronic and Paper Journal!

It is the official quarterly publication of the Society of Wood Science and Technology, and accordingly publishes papers with both professional and technical content. Original papers of professional concern, or based on research dealing with the science, processing, and manufacture of wood and composite products of wood or wood fiber origin are included.

The Society publishes a **Bimonthly Newsletter** to keep its members in touch with upcoming meetings, job vacancies, and current news in the profession.



Special proceedings, such as the **Characterization of Cellulosic Cell Wall** are also produced to help transfer the information to the public. ■



- ENCOURAGE THE COMMUNICATION AND USE OF THIS KNOWLEDGE



The Society has various committees to carry out its mission. These are Accreditation, Education, Membership, George Marra Award, Policy and Critical Issues, Publication Policy, Research Initiatives, and Visiting Scientist Program.

Each year the Society rewards service to the profession with Awards of Distinguished Service, Fellow Membership, George Marra Award for Excellence in Writing, and Student Poster Competition.

Visiting Scientist Program

– The Society of Wood Science and Technology (SWST) provides both international and national travel grants through the Visiting Scientist Program (VSP) to enhance the professional growth of our members and promote networking with scientists, technologists, and engineers from other countries that are so vital to the success of SWST in the future.



The Society maintains a website at www.swst.org which keeps members and the public aware of information relating to wood science. This website also maintains a Blog where individuals can post news. A new service is the ability to post resumes and job vacancies on the website.



The Society hosts an **Annual Convention** where members and nonmembers can come together on various topics. This meeting is held in odd years in the United States, and in even years in an international setting. ■



• PROMOTE POLICIES AND PROCEDURES WHICH ASSURE THE WISE USE OF WOOD AND LIGNOCELLULOSIC MATERIALS

Wood is a unique and renewable resource for both construction and biofuel applications. We strive to advance sustainability and environmental performance improvement across society at large. One way the Society does this is by sponsoring Technical Meetings which result in proceedings that are available to the public.

Science and technological developments in the wood science and technology field over the past century have been impressive. For example, advances in process and product development over just the past 60 years have increased 400 to 500 percent the quantity of useful products obtained from a given quantity of logs. Moreover, recycling technology has increased waste paper recovery and reuse rates nationally by 50 to 65 percent in the last 15 years alone. Additionally, the development of wood composites and engineered structural materials has allowed better utilization of low value resources to create high value materials, thereby enhancing forest management options. All these developments have served to greatly extend the forest resources of the United States. Put another way, present forest harvest levels would have had to be much greater had advances in process development of the past six decades not occurred. ■

• ASSURE HIGH STANDARDS FOR PROFESSIONAL PERFORMANCE OF WOOD SCIENTISTS AND TECHNOLOGISTS

The Code of Ethics Canons were adopted in 1993 and are intended to guide the professional conduct of members of the Society in their relations with the public, their employers, and each other. Compliance with these canons helps to assure just and honorable professional and human relationships, mutual confidence and respect, and competent service to society.

Accreditation – The Society of Wood Science and Technology is responsible for evaluating the discipline’s professional programs leading to a bachelor’s-level professional degree at institutions in the United States. The objectives of these evaluations are (1) to improve the quality of professional education in wood science and technology through the mechanism of self-assessment and external review; (2) to recognize U.S. institutions that meet or exceed minimum requirements set by SWST; and (3) to promote and encourage the adoption of those elements of professional training deemed essential for practicing wood scientists and wood technologists. ■

CURRENT ACCREDITED PROGRAMS

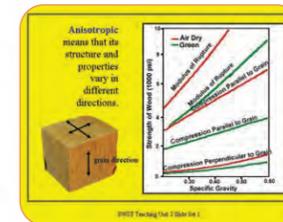
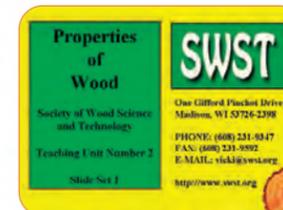
- Mississippi State University, Mississippi State
- North Carolina State University, Raleigh
- Oregon State University, Corvallis
- Pennsylvania State University, University Park
- State University of New York (SUNY), Syracuse
- Universidad del Bio-Bio
- University of Idaho, Moscow
- University of Maine, Orono
- University of Minnesota, St. Paul
- Virginia Tech, Blacksburg
- West Virginia University, Morgantown



• FOSTER EDUCATIONAL PROGRAMS AT ALL LEVELS OF WOOD SCIENCE, LIGNOCELLULOSIC MATERIALS, AND THEIR TECHNOLOGIES, AND FURTHER THE QUALITY OF SUCH PROGRAMS

Wood Science is the study of the anatomical, physical, chemical, and mechanical properties of wood. Wood scientists convert trees to useful wood products, recycle wood products to extend the use of this valued resource, and apply science and engineering to extend our natural resources.

Teaching Units 1 & 2 are intended for classroom use in middle and high school science classes to introduce forest products and wood science, the material science of the forest products industry. ■



SOCIETY OF WOOD SCIENCE AND TECHNOLOGY

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MEMBERSHIP APPLICATION

A print copy is \$30 additional to the electronic access cost.

NAME: _____
 TITLE: _____
 ADDRESS: _____

 PHONE: _____
 FAX: _____
 EMAIL: _____

Mail to: Executive Director at above address.
 Please include payment of dues: Full \$100 • Student \$35 • Retired \$50
 International Full \$20 • International Student \$10 •
 Group of 10 International Full \$190 • Group of 10 International Student \$90

EDUCATION

Name of Institution	Major	Degree	Date Received or Expected

REQUIRED* CURRENT MAJOR PROFESSOR NAME: _____

PHONE: _____ EMAIL: _____

WORK EXPERIENCE

Employer	Position Description	Time in Position

I am applying based on the following qualifications:

- _____ Membership through Formal Education
- _____ Membership through Specialized Experience
- _____ Student Membership
- _____ Emerging Country Full
- _____ Emerging Country Student

I hereby make application to become a member of the Society of Wood Science and Technology. I agree to abide by the Constitution and Bylaws and to support and promote the purposes and objectives of the Society of Wood Science and Technology.

Signature of Applicant _____ Date _____