

**Society of Wood Science & Technology**

**P.O. Box 6155**

**Monona, WI 53716-6155**

**Phone: 608-577-1342**

**FAX: 608-254-2769**

**www.swst.org**

**E-mail: [vicki@swst.org](mailto:vicki@swst.org)**



**SWST – International  
Society of Wood  
Science and Technology**

# **MEMBER HANDBOOK**

# MEMBER HANDBOOK

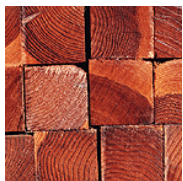
## CONTENTS

|   |    |
|---|----|
| <b>ABOUT SWST</b> .....   | 3  |
| <b>CODE OF ETHICS</b> .....   | 4  |
| <i>Canons</i> .....   | 4  |
| <b>HOW THE SOCIETY IS ORGANIZED</b> .....                           | 5  |
| <i>Executive Board</i> .....  | 5  |
| <i>Committees</i> .....   | 8  |
| <b>MEMBERSHIP</b> .....   | 9  |
| <b>MEMBER SERVICES</b> .....  | 9  |
| <i>Accreditation</i> .....  | 9  |
| <i>Awards</i> .....   | 10 |
| <i>Annual Convention</i> .....                                      | 18 |
| <i>Communications</i> .....   | 19 |
| <i>Wood and Fiber Science</i> .....                                 | 20 |
| <i>BioProducts Business</i> .....                                   | 21 |
| <i>Digital Communications Coordinator</i> .....                     | 21 |
| <i>Visiting Scientist Program</i> .....                             | 21 |
| <i>Short Term Scientific Mission (STSM)</i> .....                   | 22 |
| <b>APPENDIX</b> .....   | 24 |
| <i>SWST Presidents</i> .....  | 24 |
| <i>Distinguished Service Award: Criteria and Procedures</i> .....   | 25 |
| <i>Fellow Award: Criteria and Procedures</i> .....                  | 25 |
| <i>George Marra Award: Criteria and Procedures</i> .....            | 26 |
| <i>Constitution of Society of Wood Science and Technology</i> ..... | 27 |
| <i>Bylaws of Society of Wood Science and Technology</i> .....       | 36 |



Revised 1/2020

## ABOUT SWST



Wood science originated in ancient Greece with the philosopher and writer Theophrastus (327-287 BC) who first wrote about the nature of wood and its uses.<sup>1</sup> Wood Science and Technology as a discrete academic and professional discipline appeared among the earliest North American forestry education programs in the 1890s. The U.S. Federal government made considerable research investments in wood science through two world wars which laid the foundation for post war expansion in interest and attention on wood as a material. Wood science education programs multiplied in the late 1940s and early 1950s, but there was no curricular consistency or common foundation in those programs.

The Society of American Foresters first served as a forum and professional home for wood scientists. However, as interest and the number of new wood scientists grew, a new home was needed. The Forest Products Research Society was formed in 1947 and began to serve as the new home for wood-use professionals. The FPRS-Education Committee, established in 1950, played a major role in the definition and direction of education in wood science and technology and sowed the seeds for the origin of SWST.<sup>2</sup> By 1957, a nucleus of eminent wood scientists and wood technologists began discussing ways to meet their needs for a professional identity and professional society.

In 1958, SWST was born as a professional society, separate from FPRS, but closely linked through organization and membership. Through the years SWST has matured into a well-respected international society with the following objectives:

- Develop and maintain the unique body of knowledge distinctive to wood science, lignocellulosic materials and their technologies
- Encourage the communication and use of this knowledge
- Promote policies and procedures which assure the wise use of wood and lignocellulosic materials
- Assure high standards for professional performance of wood scientists and technologists
- Foster educational programs at all levels of wood science, lignocellulosic materials and their technologies and furthering the quality of such programs

**VISION:** Be the leader in advancing the profession of wood science.

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

<sup>1</sup> Tsoumis, G. 1995. The beginning of wood science. *J. Inst. Wood Science*, 13(6):535-538.

<sup>2</sup> Fleischer, H.O. and A.N. Foulger, 1983. A Brief History of the Society of Wood Science and Technology, the First Twenty-Five Years, SWST, Madison, WI.

## CODE OF ETHICS

These canons are adopted by the Society of Wood Science and Technology 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. (Adopted June 1993)

### **CANONS**

1. Members will strive to protect the safety, health and welfare of the public in the performance of professional assignments.
2. Members will inform the public truthfully about wood, the wood-based industries, and the profession of wood technology, and will discourage misrepresentation.
3. Members will base public statements, including those made as an expert witness, on knowledge or honest opinion and will indicate sources of information when necessary. Furthermore, the member will indicate on whose behalf the statements are made.
4. Members will support the conservative use of natural resources and will strive for increased efficiency within the industry.
5. Members must avoid conflicts of interest and will inform an employer of possible conflicts with vendors, contractors or consulting clients, and will avoid double payment for the same service.
6. Members will not disclose the business affairs or processes of present or past employers without proper consent.
7. Members will perform only those services for which they are qualified. Members will engage, or advise employers to engage, other experts and specialists in Wood Science and Technology or related fields whenever the employer's interest would be best served by such action, and members will work cooperatively with other professionals.
8. Members who become aware of activities which deviate from accepted professional standards must advise the appropriate people of the consequences of such deviation.
9. Members will support the profession by sharing information and experiences with other members through attendance at technical meetings, publication, participation in SWST affairs and cooperation with educators.
10. Members will properly assign credit for original work and will give credit for the methods, ideas or assistance obtained from others.
11. Members in competition for supplying services will encourage the prospective employer to base selection on comparison of qualifications and negotiation of fee or salary. A member will not endeavor to supplant another known to have been engaged.
12. Members will not by false statement or dishonest action injure the reputation or professional associations of other members.

## HOW THE SOCIETY IS ORGANIZED

Like most professional societies the activities and success of SWST depend on the energy and interests of its members. The Constitution of the Society (see Appendix) proscribes most of the SWST governing structure, supplemented by the Bylaws. In overview, the **Executive Board** is the governing body of SWST, with most member and Society activities flowing out of an extensive set of **Committees**. This is evident in the Organizational Chart which outlines the structure and function of the Society.

### EXECUTIVE BOARD

**President, President-elect, Vice President, Past President:** The President of SWST is first elected for a one-year term as Vice-President (VP), then moves without election through terms as President-elect, President and Past President. This structure allows for continuity of leadership and for the President to be able to hit the ground running during his or her term. The Past President remains an active member of the Executive Board to further ensure continuity and follow-up with ongoing projects. President-elect is tasked with one of the Technical Sessions of the Annual Convention. A list of all the presidents of SWST and their terms is in the Appendix.

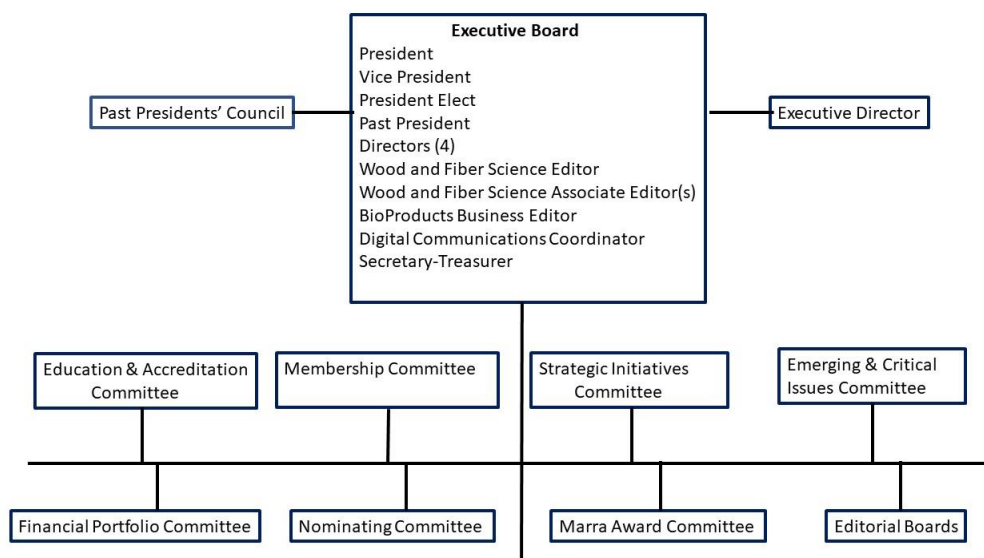
**Secretary-Treasurer:** Is appointed by the Executive Board and is responsible for collecting dues, maintaining the books, and all necessary clerical and administrative functions of the Society. In recent years, the Executive Director has been appointed Secretary-Treasurer.

**Executive Director:** An appointed Executive Director serves the Board by maintaining the business function of the Society and the Society Headquarters in Monona, Wisconsin. The Executive Director also has “other duties as assigned” by the Executive Board.

**Directors:** Four members are elected as Directors for two-year terms each. Their terms are staggered so that two new Directors are elected annually. Each Director is assigned responsibility to monitor and liaison with selected committees or Society functions.

**Editors:** *Wood and Fiber Science* Editor and *BioProducts Business* Editor are part of the Executive Board, as well as any Associate Editors.

**Digital Communication Coordinator:** This position is suitable for a graduate student enrolled in wood-related degree programs, with a special interest in the digital world and communication.



| Year    | President       | President-Elect  | Vice-President    | Secretary-Treasurer | Executive Secretary/Director | Director 2   | Director 3    | Director 4    | Newsletter Editor | Web/Editor   | Editorial Assistant | Assistant Editor |
|---------|-----------------|------------------|-------------------|---------------------|------------------------------|--------------|---------------|---------------|-------------------|--------------|---------------------|------------------|
| 1969    | W. S. Thompson  | H. B. Padgett    | H. B. Padgett     | B. A. Jayne         | H. H. Haskell                | A. Brainerd  | H. H. Haskell | H. H. Haskell | H. H. Haskell     | D. P. Thomas | C. B. Owens         |                  |
| 1969-80 | S. B. Preston   | H. B. Padgett    | H. B. Padgett     | B. A. Jayne         | H. H. Haskell                | A. Brainerd  | H. H. Haskell | H. H. Haskell | H. H. Haskell     | B. A. Jayne  | C. B. Owens         |                  |
| 1980-81 | J. S. Bittel    | R. L. Youngs     | R. L. Youngs      | B. A. Jayne         | H. H. Haskell                | F. Dickerson | H. H. Haskell | H. H. Haskell | H. H. Haskell     | B. A. Jayne  | C. B. Owens         |                  |
| 1981-82 | A. F. Muchler   | B. A. Jayne      | B. A. Jayne       | A. E. Wyle          | H. H. Haskell                | G. Mara      | F. Dickerson  | H. H. Haskell | H. H. Haskell     | B. A. Jayne  | C. B. Owens         |                  |
| 1982-83 | R. L. Youngs    | S. B. Preston    | J. R. Stilling    | W. T. Neam          | H. H. Haskell                | G. Mara      | G. Wangard    | F. Dickerson  | H. H. Haskell     | B. A. Jayne  | C. B. Owens         |                  |
| 1983-84 | R. L. Youngs    | S. B. Preston    | J. R. Stilling    | W. T. Neam          | H. H. Haskell                | G. Mara      | G. Wangard    | F. Dickerson  | H. H. Haskell     | B. A. Jayne  | C. B. Owens         |                  |
| 1984-85 | F. F. Wangard   | E. L. Elwood     | R. J. Hoyle       | H. J. Hoyle         | H. H. Haskell                | B. Jayne     | B. Jayne      | F. Dickerson  | H. H. Haskell     | B. A. Jayne  | C. B. Owens         |                  |
| 1985-86 | E. L. Elwood    | R. J. Hoyle      | C. Saxar          | J. G. Hargren       | G. L. Constock               | B. Jayne     | B. Jayne      | F. Dickerson  | H. H. Haskell     | B. A. Jayne  | C. B. Owens         |                  |
| 1986-87 | R. J. Hoyle     | W. T. Neam       | B. A. Jayne       | J. G. Hargren       | A. N. Foulger                | W. Murphy    | H. Haskell    | H. Haskell    | H. H. Haskell     | B. A. Jayne  | C. B. Owens         |                  |
| 1987-88 | D. J. Neam      | B. A. Jayne      | J. G. Hargren     | C. R. Morschauer    | A. N. Foulger                | W. Murphy    | H. Haskell    | H. Haskell    | H. H. Haskell     | B. A. Jayne  | C. B. Owens         |                  |
| 1988-89 | D. J. Neam      | B. A. Jayne      | J. G. Hargren     | C. R. Morschauer    | A. N. Foulger                | W. Murphy    | H. Haskell    | H. Haskell    | H. H. Haskell     | B. A. Jayne  | C. B. Owens         |                  |
| 1989-90 | G. Hargren      | F. L. Constock   | R. M. Kellogg     | F. L. Constock      | E. L. Schaffer               | R. Kennedy   | I. Sachs      | Owens         | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 1990-91 | F. L. Constock  | G. L. Constock   | R. M. Kellogg     | F. C. Beall         | E. L. Schaffer               | R. Kennedy   | I. Sachs      | Owens         | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 1991-92 | R. M. Kellogg   | A. P. Schiewind  | A. N. Foulger     | R. E. Martin        | E. L. Schaffer               | E. Chong     | Owens         | D. Benard     | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 1992-93 | R. M. Kellogg   | A. P. Schiewind  | A. N. Foulger     | R. E. Martin        | E. L. Schaffer               | E. Chong     | Owens         | D. Benard     | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 1993-94 | A. N. Foulger   | E. A. Kelson     | T. M. Mahoney     | H. E. Wolkstein     | W. F. Lehmann                | H. Turner    | H. Turner     | K. Peterson   | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 1994-95 | A. N. Foulger   | E. A. Kelson     | T. M. Mahoney     | H. E. Wolkstein     | W. F. Lehmann                | H. Turner    | H. Turner     | K. Peterson   | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 1995-96 | E. L. Schaffer  | R. W. Erickson   | J. H. Brown       | J. H. Brown         | W. T. Simpson                | H. Turner    | H. Turner     | K. Peterson   | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 1996-97 | E. L. Schaffer  | R. W. Erickson   | J. H. Brown       | J. H. Brown         | W. T. Simpson                | H. Turner    | H. Turner     | K. Peterson   | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 1997-98 | E. L. Schaffer  | R. W. Erickson   | J. H. Brown       | J. H. Brown         | W. T. Simpson                | H. Turner    | H. Turner     | K. Peterson   | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 1998-99 | N. H. Erickson  | H. Reath         | K. R. Peterson    | F. W. Taylor        | W. T. Simpson                | H. Turner    | H. Turner     | K. Peterson   | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 1999-00 | N. H. Erickson  | H. Reath         | K. R. Peterson    | F. W. Taylor        | W. T. Simpson                | H. Turner    | H. Turner     | K. Peterson   | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2000-01 | H. Reath        | R. J. Thomas     | W. S. Thompson    | M. R. O'Halloran    | J. T. Quirk                  | M. Kelly     | R. Geigjesen  | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2001-02 | R. J. Thomas    | W. S. Thompson   | G. G. Mara        | C. E. Shuler        | J. T. Quirk                  | M. Kelly     | R. Geigjesen  | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2002-03 | W. S. Thompson  | C. E. Shuler     | C. E. Shuler      | C. E. Shuler        | J. T. Quirk                  | M. Kelly     | R. Geigjesen  | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2003-04 | C. E. Shuler    | K. A. Morschauer | J. L. D. Watkins  | D. M. Glines        | J. T. Quirk                  | M. Kelly     | R. Geigjesen  | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2004-05 | F. W. Taylor    | E. A. McGinnis   | J. D. Watkins     | P. R. Blankenhorn   | V. L. Class                  | J. T. Quirk  | M. Kelly      | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2005-06 | E. A. McGinnis  | J. D. Watkins    | P. R. Blankenhorn | V. L. Class         | V. L. Class                  | J. T. Quirk  | M. Kelly      | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2006-07 | J. D. Watkins   | F. C. Beall      | P. R. Blankenhorn | V. L. Class         | V. L. Class                  | J. T. Quirk  | M. Kelly      | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2007-08 | J. D. Watkins   | F. C. Beall      | P. R. Blankenhorn | V. L. Class         | V. L. Class                  | J. T. Quirk  | M. Kelly      | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2008-09 | J. D. Watkins   | F. C. Beall      | P. R. Blankenhorn | V. L. Class         | V. L. Class                  | J. T. Quirk  | M. Kelly      | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2009-10 | J. D. Watkins   | F. C. Beall      | P. R. Blankenhorn | V. L. Class         | V. L. Class                  | J. T. Quirk  | M. Kelly      | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2010-11 | S. E. Augood    | T. Shupe         | A. Cloutier       | S. Shi              | V. L. Class                  | J. T. Quirk  | M. Kelly      | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2011-12 | T. Shupe        | A. Cloutier      | S. Shi            | V. L. Class         | V. L. Class                  | J. T. Quirk  | M. Kelly      | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2012-13 | A. Cloutier     | M. Wolcott       | S. Shi            | V. L. Class         | V. L. Class                  | J. T. Quirk  | M. Kelly      | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2013-14 | A. Cloutier     | M. Wolcott       | S. Shi            | V. L. Class         | V. L. Class                  | J. T. Quirk  | M. Kelly      | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2014-15 | A. Cloutier     | M. Wolcott       | S. Shi            | V. L. Class         | V. L. Class                  | J. T. Quirk  | M. Kelly      | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2015-16 | E. Hansen       | S. Darnolapatra  | R. Smith          | V. L. Class         | V. L. Class                  | J. T. Quirk  | M. Kelly      | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2016-17 | S. Darnolapatra | R. Smith         | N. Brown          | V. L. Class         | V. L. Class                  | J. T. Quirk  | M. Kelly      | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2017-18 | R. Smith        | E. Hansen        | H. Harstova       | V. L. Class         | V. L. Class                  | J. T. Quirk  | M. Kelly      | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2018-19 | N. Brown        | E. Hansen        | H. Harstova       | V. L. Class         | V. L. Class                  | J. T. Quirk  | M. Kelly      | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |
| 2019-20 | E. Hansen       | A. Kuhn          | R. Wimmer         | V. L. Class         | V. L. Class                  | J. T. Quirk  | M. Kelly      | R. Geigjesen  | E. L. Schaffer    | B. A. Jayne  | C. B. Owens         |                  |

**Executive Board 2020-2021****President**

Andreja Kutnar  
University of Primorska  
Andrej Marusic Institute  
Muzejki trg 2  
Koper SLOVENIA SI 6000  
+38631240121  
[andreja.kutnar@upr.si](mailto:andreja.kutnar@upr.si)  
[andreja.kutnar@gmail.com](mailto:andreja.kutnar@gmail.com)

InnoRenew CoE  
Livade 6  
SI-6310 Izola  
Slovenia  
[andreja.kutnar@innorenew.eu](mailto:andreja.kutnar@innorenew.eu)

**President-Elect**

Rupert Wimmer  
University of Natural Resources and Life Sciences  
Wood Technology and Renewable Resources  
Konrad Lorenz Strasse 24  
Tulln, 3430 Austria  
+43 1 47654-4296, +43 1 47654-4295  
Mobile: +43664 3165155  
[rupert.wimmer@boku.ac.at](mailto:rupert.wimmer@boku.ac.at)  
[Rupert.swst@gmail.com](mailto:Rupert.swst@gmail.com)

**Vice President**

Virginia Tech  
Brooks Forest Products Center (0503)  
1650 Research Center Drive  
Blacksburg, VA 24061 USA  
ph: +1-540-231-0978  
[quesad@vt.edu](mailto:quesad@vt.edu)

**Past President**

Eva Haviarova  
Purdue University  
175 Marsteller  
West Lafayette, IN 47907-1200  
+1-765-494-3619 FAX: +1-765-496-1344  
[ehaviar@purdue.edu](mailto:ehaviar@purdue.edu)  
[ehaviarova@gmail.com](mailto:ehaviarova@gmail.com)

**Executive Director**

Vicki L. Herian  
Society of Wood Science and Technology  
P.O. Box 6155  
Monona, WI 53716-6155  
+1-608-577-1342 FAX: +1-608-254-2769  
Mobile: +1-608-219-8195  
[vicki@swst.org](mailto:vicki@swst.org)  
[vicki13691@gmail.com](mailto:vicki13691@gmail.com)

**Editor of Wood and Fiber Science**

Susan L. LeVan-Green  
N8723 Poplar Grove Road  
New Glarus, WI 53574  
+1-608-235-8667  
[Sue.levangreen@gmail.com](mailto:Sue.levangreen@gmail.com)

**Associate Wood and Fiber Science Editor**

Arijit Sinha  
Oregon State University  
Dept. of Wood Science and Engineering  
234 Richardson Hall  
Corvallis, OR 97331  
+1-541-737-6713 FAX: +1-541-737-3385  
[arijit.sinha@oregonstate.edu](mailto:arijit.sinha@oregonstate.edu)  
[arijitsinha@gmail.com](mailto:arijitsinha@gmail.com)

**Editor BioProducts Business**

Eric Hansen  
Oregon State University  
119 Richardson Hall  
Corvallis, OR 97331  
+1-541-737-4240 FAX: +1-541-737-3385  
Mobile: +1-541-288-3732  
[eric.hansen@oregonstate.edu](mailto:eric.hansen@oregonstate.edu)  
[eric.n.hansen2@gmail.com](mailto:eric.n.hansen2@gmail.com)

**Directors**

Levente Dénes  
University of Sopron  
Bajcsy-Zsilinszky u. 4  
Sopron  
9400 Hungary  
Ph: +36209831250  
[denes.levente@uni-sopron.hu](mailto:denes.levente@uni-sopron.hu)

Tetsuya Inagaki  
Nagoya University  
Graduate School of Bioagricultural Sciences  
Furo-cho, Chikusa-ku  
Nagoya, Aichi 4648601  
Japan  
+81-52-789-4155  
[inatetsu@agr.nagoya-u.ac.jp](mailto:inatetsu@agr.nagoya-u.ac.jp)

Mike Burnard  
InnoRenew CoE  
Livade 6  
SI-6310 Izola  
SLOVENIA

University of Primorska, Andrej Marušič Institute  
Muzejski trg 2  
SI-6000 Koper  
SLOVENIA  
ph: +386 (0) 31 427 672  
[mike.burnard@innorenew.eu](mailto:mike.burnard@innorenew.eu)

Tamara Franca  
Mississippi State University  
Franklin Center, Room 222  
Department of Sustainable Bioproducts  
Box 9820  
Mississippi State, MS 39762-9820 USA  
ph: +1-662-325-3316  
[tsf97@msstate.edu](mailto:tsf97@msstate.edu)

**Digital Communications Coordinator**

Pipiet Larasatie  
Oregon State University  
Dept. of Wood Science and Engineering  
163 Richardson Hall  
Corvallis, OR 97331  
+1-541-908-8203  
[larasatp@oregonstate.edu](mailto:larasatp@oregonstate.edu)  
[pipiet.larasatie@gmail.com](mailto:pipiet.larasatie@gmail.com)

## Committees

### Editorial Boards:

Both *Wood and Fiber Science* and *BioProducts Business* have editorial boards (EB). At present, a 12-member EB is appointed by the SWST Executive Board in consultation with the current editorial staff. Appointments are for a term of three years and are renewable.

1. Conduct a minimum of two peer reviews of articles each calendar year
2. Annually publish in *Wood and Fiber Science* or *BioBus* respectively
3. Consistently recruit high quality manuscripts
4. Advise the Editor as needed

Editorials Boards can be found at

<https://www.swst.org/wp/wp-content/uploads/2019/11/2019-Editorial-Board.pdf>

<https://www.swst.org/wp/publications/bioproducs-business/editorial-board/>

**Education and Accreditation:** This committee coordinates and conducts reviews of University programs who desire SWST accreditation. They review and comment on accreditation actions and recommend changes in SWST accreditation standards and procedures to the Executive Board. The Accreditation Handbook is published by the Society and is available on the website at [https://www.swst.org/wp/wp-content/uploads/2017/06/accred\\_handbook.pdf](https://www.swst.org/wp/wp-content/uploads/2017/06/accred_handbook.pdf)

This Committee is also charged with enhancing the education of members and encouraging quality student education in Wood Science and Technology. This Committee promotes the profession to new students. The group sponsors and runs a Student Poster Competition at the Annual Convention which encourages better student participation and recognizes quality student research.

**Emerging and Critical Issues:** This committee looks for emerging issues as well as concerns of the Society, the profession and members. They identify and analyze issues and recommend concerns to the Executive Board.

**Financial Portfolio:** This committee guides the Executive Board in choosing the investment strategies and accounts.

**Marra Award:** Selects the winners of the annual George Marra award to recognize excellence in research and writing by reading and scoring each article published in *Wood and Fiber Science* for the previous year. This committee consists of 4 members: one each from government, private sector and academia and one additional member. The chair rotates yearly through each member type. Each person serves one year, except the chair.

**Membership:** Helps increase membership in the Society and periodically surveys members about the quality and extent of services that SWST provides.

**Nominations:** Nominates Vice-president and Director candidates for annual election. This is chaired by the Past-Past President, once they are off the Executive Board.

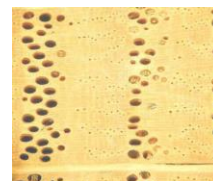
**Past Presidents Council:** Comprised of all of the living past presidents of the Society. They provide advice and counsel to the Executive Board and annually recommend candidates for the SWST Distinguished Service Award and Fellow Award. The immediate past 5 presidents serve as a subcommittee that handles the award nominees and sends to all past presidents for a vote.

**Strategic Initiatives:** The committee shall be responsible for representing the society and its members at the national level on research initiatives and funding opportunities that may benefit from



a wood research perspective. The committee may identify and pursue critical areas or may respond to request for input from within the membership of the Society.

## MEMBERSHIP



The basic requirement for membership is professional competence in the field of Wood Science and Technology. That can be demonstrated in various ways as explained in the Constitution and Bylaws found in the Appendix to this Handbook.

There are three basic categories of membership in the Society.

A **Member** may be admitted by virtue of their educational background or by specialized experience. Guidelines can be found in the Constitution and Bylaws.

**Student Members** are full-time undergraduate or graduate students in a program that will allow them to advance to membership upon graduation.

**International Membership for members from developing countries** shall be from a qualifying list of developing countries as recognized by SWST. The member shall have the same requirements for membership as listed in Article II of the Constitution.

Annual Dues are required of all Members and Student Members:

|                                  |             |                      |
|----------------------------------|-------------|----------------------|
| Members                          | \$100.00 US | [\$50.00 if retired] |
| Students                         | \$35.00 US  |                      |
| International Developing Member  | \$20 US     |                      |
| International Developing Student | \$10 US     |                      |

Individuals may apply for membership online at <https://www.swst.org/wp/membership/application/>

## MEMBER SERVICE

### ACCREDITATION

SWST began accrediting schools for their Wood Science and Technology programs in 1984.

Standards, procedures and guidelines for accrediting educational programs leading to a professional degree in wood science and technology or forest products can be found in the [Accreditation Handbook](#).

Annual Accreditation Program Report form: Five-year interim reports are no longer required. However, all programs accredited by SWST are now required to submit an annual report to maintain accreditation by the Society. A template for this report is available for [download](#), and can also be found in the Appendix of the Accreditation Handbook. This report is used to identify important changes and accomplishments that have occurred in the program during the past year. It is also used to identify the need for the program to submit a substantive change report. Reports must be

| 10 Program Reviewed   | Initial Accreditation | Most Recent | Expires |
|---|-----------------------|-------------|---------|
| <b>Bogor University</b> , Bogor, Indonesia                              | 2014                  | 2014        | 2024    |
| <b>Mississippi State University</b> , Mississippi State                 | 1987                  | 2017        | 2022    |
| <b>Nanjing Forestry University</b> , China                              | 2017                  | 2017        | 2027    |
| <b>North Carolina State University</b> , Raleigh                        | 1984                  | 2015        | 2025    |
| <b>Oregon State University</b> , Corvallis                              | 1990                  | 2013        | 2023    |
| <b>South China Agricultural University</b> , Guangzhou, China           | 2019                  | 2019        | 2029    |
| <b>Universidad del Bío-Bío</b> , Concepción, Chile                      | 2009                  | 2009        | 2019    |
| <b>University of Idaho</b> , Moscow                                     | 1996                  | 2015        | 2025    |
| <b>University of Maine</b> , Orono                                      | 1993                  | 2013        | 2023    |
| <b>Virginia Polytechnic Institute and State University</b> , Blacksburg | 1985                  | 2015        | 2025    |
| <b>West Virginia University</b> , Morgantown                            | 1989                  | 2019        | 2029    |
| <b>Zhejiang A &amp; F University</b> , Lin'an, China                    | 2018                  | 2018        | 2028    |

filed with the Executive Director by February 1 of each year. Failure to submit an annual report may result in the program being placed on probation.

## AWARDS

**Distinguished Service Award:** This is the premier award given by the Society recognizing individuals for their distinguished service to the profession. The recipient will have made unusually noteworthy contributions in any educational, technological, scientific or professional area related to Wood Science and Technology. This award may be given each year at the Annual Meeting and consists of a plaque, life membership in SWST, and an opportunity to address the Members. The criteria for selection and summary of procedures are found in the Appendix.

Past Recipients of the SWST Distinguished Service Award include:

|      |                |      |                    |
|------|----------------|------|--------------------|
| 2020 | Jan Wiedenbeck | 2017 | Frederick A. Kamke |
| 2019 | James Funck    | 2016 | Robert W. Rice     |
| 2018 | Paul M. Smith  | 2015 | Jerrold E. Winandy |

|      |  |      |   |
|------|--|------|---|
| 2014 | Douglas J. Gardner<br>Victoria L. Herian       | 1995 | Arno P. Schniewind  |
| 2013 | James P. Armstrong                             | 1994 | William T. Nearn  |
| 2012 | Chung-Yun Hse                                  | 1993 | Robert W. Kennedy   |
| 2011 | Robert W. Erickson                             | 1992 | Stephen B. Preston  |
| 2010 | H. Michael Barnes                              | 1991 | Charles Berolzheimer  |
| 2009 | Carol B. Ovens<br>Thomas E. McLain             | 1990 | Wilfred A. Cote   |
| 2008 | Alan Marra                                     | 1989 | Robert L. Youngs  |
| 2007 | A. William Boehner                             | 1988 | Stanley Suddarth  |
| 2006 | Duane E. Lyon                                  | 1987 | Peter Koch  |
| 2005 | Howard N. Rosen                                | 1986 | Christen Skaar  |
| 2004 | Geza Ifju<br>Helmuth Resch                     | 1985 | John Haygreen   |
| 2003 | James L. Bowyer<br>Elvin Choong                | 1984 | George Marra  |
| 2002 | Frank C. Beall                                 | 1983 | Herbert McKean<br>Alfred Stamm<br>Fred Wangaard<br>Herbert Fleischer<br>Frank Kaufert<br>Fred Dickinson |
| 2001 | Thomas M. Maloney                              | 1982 | Alexis Panshin  |
| 2000 | Otto Suchsland                                 | 1981 | George Garratt  |
| 1999 | Richard J. Thomas                              | 1980 | Jim Bethel  |
| 1998 | Steve Sinclair (posthumously)<br>Everett Ellis | 1968 | Alfred Stamm  |
| 1997 | Warren S. Thompson                             | 1966 | Harry Tiemann   |
| 1996 | E. Allen McGinnes                              |      |   |

### Fellows Award

Purpose: To recognize significant contributions to the wood science and technology profession and service to the Society by SWST members. The criteria for selection and summary of procedures are found in the Appendix.

Past Recipients of the SWST Fellows Award include:

|      |  |   |
|------|--|---|
| 2020 | Sheldon Shi  | Everett Ellis   |
| 2019 | Alain Cloutier   | Robert W. Erickson  |
| 2018 | Thomas M. Gorman   | John G. Haygreen  |
| 2017 | Susan Anagnost   | Robert J. Hoyle, Jr.  |
| 2016 | Alfred Teischinger   | Geza Ifju   |
| 2015 | James Funck  | Fred A. Kamke   |
| 2014 | Barry Goodell<br>Jerrold E. Winandy  | Robert Kennedy<br>Duane Lyon<br>Thomas M. Maloney<br>E. Allen McGinnes, Jr.<br>William T. Nearn<br>Helmuth Resch<br>Howard N. Rosen<br>Arno P. Schniewind<br>Christen Skaar<br>Otto Suchsland<br>Fred W. Taylor<br>Richard J. Thomas<br>Warren S. Thompson<br>James B. Wilson |
| 2013 | James P. Armstrong<br>Paul R. Blankenhorn  |   |
| 2012 | Douglas J. Gardner   |   |
| 2011 | Paul M. Smith  |   |
| 2010 | Audrey Zink-Sharp  |   |
| 2009 | Douglas D. Stokke  |   |
| 2008 | Robert W. Rice   |   |
| 2007 | H. Michael Barnes<br>W. Ramsay Smith   |   |
| 2006 | Thomas E. McLain   |   |
| 2005 | J. David Barrett<br>Frank C. Beall<br>A William Boehner<br>Gilbert L. Comstock<br>Wil Cote | 2004 James L. Bowyer<br>Robert L. Youngs  |

**George Marra Award:** George Marra was a prominent member of the wood science community for many years and was President of the Society at his untimely death in 1983. George was a champion of quality in writing and this prestigious annual award recognizes excellence in research and writing within those papers published in each volume of *Wood and Fiber Science*. A plaque and \$1000 are given to the winners at the Annual Meeting. Guidelines and procedures for this award are found in the Appendix.

**Past George Marra Award winners:**

2020

- Kong Yue, Lu Wang, Jiao Xia, Yulong Zhang, Zhangjing Chen, Weiqing Liu. "Experimental Research on Mechanical Properties of Laminated Poplar Wood Veneer/Plastic Sheet Composite", 51(3) — First Place
- R. Arbelaez, L. Schimleck, J. Dahlen, S. Wood. "Evaluation of Lumber from Deconstructed Portland Residential Buildings", 51(4) — Second Place
- So Sun Lee, Sung-Jun Pang, Gi Young Jeong. "Effects of Size, Species, and Adjacent Lamina on Moisture-related Strain in Glulam", 51(2) — Second Place

2019

- Hongmei Gu, Richard Bergman, Nathaniel Anderson, Sevda Alanya-Rosenbaum. "Life Cycle Assessment of Activated Carbon from Wood Biomass", 50(3) — First Place
- Douglas, R. Rammer, Samuel L. Zelinka, Laura E. Hasburgh, and Steven T. Craft. "Ability of Finger-Jointed Lumber to Maintain Load at Elevated Temperatures", 50(1) — Second Place
- Paige McKinley, Frederick A. Kamke, Arijit Sinha, Vincent De Andrade, and Joseph E. Jakes. "Analysis of Adhesive Penetration into Wood Using Nano-x-ray Computed Tomography", 50(1) — Third Place

2018

- Stan Lebow, Patricia Lebow and Kolby Hirth. "Comparison of Accelerated Methods for Evaluating Leaching from Preservative Treated Wood", 49(1) — First Place
- Jerrold E. Winandy. "Relating Wood Chemistry and Strength: Part II. Fundamental Relationships Between Changes in Wood Chemistry and Strength of Wood", 49(1) — First Place
- Connie S. Love, Luis Meza, Jeffrey Morrell, Stan T. Lebow and Frederick Matt. "Effect of Landfill Burial on Condition of Wood: Preliminary Tests", 49(1) — Second Place
- Carolina Kravetz, José Otávio Brito, Daniel Saloni and David C Tilotta. "Qualitative Analysis of the Extractives of Orange Wood", 49(4) — Third Place

2017

- Douglas Gardner and Mehdi Tajvidi. "Hydrogen bonding in wood-based materials: An update", 48(4) — First Place
- Samuel L. Zelinka, Leandro Passarini, Jose Colon Quintana, Samuel V. Glass, Joseph E. Jakes, and Alex C. Wiedenhoef. "Cell wall domain and moisture content influence southern pine electrical conductivity", 48(Special Issue) — Second Place
- Richard Bergman, D. Kaestner, and Adam Taylor. "Life cycle impacts of North American wood panel manufacturing", 48(Special Issue) — Honorable Mention
- Paige E. McKinley, Daniel J. Ching, Frederick A. Kamke, Michaela Zauner, and Xianghui Xiao. "Micro x-ray computed tomography of adhesive bonds in wood", 48(Special Issue) — Honorable Mention

2016

- G. D. Estep, D. B. DeVallance, D. B. DeVallance, D. J. Lacombe. "Analysis of certified wood product use in commercial leed green building projects," 47(3) — First Place
- Min Ye, Jeffrey J. Morrell. "Effect of treatment postfixation practices on copper migration from alkaline-copper-treated douglas-fir lumber," 47(4) — Second Place
- Svetka Kuljich, Roger E. Hernández, Carl Blais. "Effects of cutterhead diameter and log infeed position on energy requirements of a chipper canter," 47(4) — Third Place

## 2015

- Oscarsson, Jan, A. Olsson, and B. Enquist. "Localized modulus of elasticity in timber and its significance for the accuracy of machine strength grading," 46(4) — First Place
- Lamason, Clevan, Bryce MacMillan, Bruce Balcom, Brigitte Leblon and Zarin Pirouz. "Examination of water phase transitions in black spruce by magnetic resonance and magnetic resonance imaging," 46(4) — Second Place
- Wang, Xiaoqing, Sichen Liu, Huanjun Chang, and Junliang Liu. "Sol-gel deposition of TiO<sub>2</sub> nanocoatings on wood surfaces with enhanced hydrophobicity and photostability," 46/1 — Third Place

## 2014

- Morrow, C. D., T. M. Gorman, J. W. Evans, D. E. Kretschmann, and C. A. Hatfield. "Prediction of wood quality in small-diameter Douglas-fir using site and stand characteristics," 45(1) — First Place
- Wang, Xiping, Steve Verrill, Eini Lowell, Robert J. Ross, and Vicki L. Herian. "Acoustic sorting models for improved log segregation," 45(4) — Second Place
- Renneckar, Scott. "State of the Art Paper – Biomimetics: Adapting performance and function of natural materials for biobased composites," 45(1) — Honorable Mention
- Kaboorani, Alireza, Pierre Blanchet, and Aziz Laghdir. "A rapid method to assess viscoelastic and mechanosorptive creep in wood," 45(4) — Honorable Mention

## 2013

- Laszlo Horvath, Perry Peralta, Ilona Peszlen, Levente Csoka, Balazs Horvath and Joseph Jakes. "Modeling Hygroelastic Properties of Genetically Modified Aspen," 44(1) — First Place
- Zanin Kavazovi, Jean Deteix, André Fortin and Alain Cloutier. "Numerical Modeling of the Medium-Density Fiberboard Hot Pressing Process, Part 2: Mechanical and Heat and Mass Transfer Models," 44(3) — Second Place
- Yucheng Peng, Yousoo Han and Douglas J. Gardner. "Spray-Drying Cellulose Nanofibrils: Effect of Drying Process Parameters on Particle Morphology and Size Distribution," 44(4) — Honorable Mention

## 2012

- Rastislav Lagana, William G. Davids, Lech Muszynski, and Stephen Shaler. "Moment-Curvature Analysis of Coupled Bending and Mechanosorptive Response of Red Spruce Beams," 43(3) — First Place
- Ge Wang, Sheldon Q. Shi, Jinwu Wang, Yan Yu, Shuangping Cao, and Haitao Cheng. "Tensile Properties of Four Types of Individual Cellulosic Fibers," 43(4) — Second Place
- Han-Seung Yang, Douglas J. Gardner, and Jacques Nader. "Mechanical Properties of Cellulose Nanofibril-Filled Polypropylene composites," 43(2) — Tied for Third Place
- Ge Wang, Sheldon Q. Shi, Jinwu Wang, Yan Yu, Shuangping Cao, and Haitao Cheng. "Microtension Test Method for Measuring Tensile Properties of Individual Cellulosic Fibers," 43(3) — Tied for Third Place

## 2011

- Jim Wilson. "Life-cycle inventory of formaldehyde-based resins used in wood composites in terms of resources, emissions, energy and carbon," 42 (Special CORRIM issue) — First Place
- Zanin Kavazovic, Jean Deteix, Alain Cloutier and André Fortin. "Sensitivity study of a numerical model of heat and mass transfer involved during the medium-density fiberboard hot pressing process," 42(2) — Second Place

## 2010

- Kevin B. D. White, Thomas M. Miller, and Rakesh Gupta. "Seismic Performance Testing of Partially and Fully Anchored Wood-frame Shear Walls," 41(4) — First Place
- Niels Peter K. Nielsen, Douglas J. Gardner, Torben Poulsen, and Claus Felby. "Importance of Temperature, Moisture Content, and Species for the Conversion Process of Wood Residues into Fuel Pellets," 41(4) — Second Place

## 2009

- Heiko Thoemen and Christian Ruf. "Measuring and simulating the effects of the pressing schedule on the density profile development in wood-based composites," 40(3) — First Place

14

- Brad Jianhe Wang, Chunping Dai, and Steve Wharton. "Impact of mountain pine beetle-attacked lodgepole pine logs on plywood manufacturing," 40(3) — Second Place

2008

- Russell J. Chedgy, Paul I. Morris, Young Woon Lim, and Colette Breuil. "Black stain of western red cedar (*Thuja plicata* donn) by *Aureobasidium pullulans*: The role of weathering," 39(3) — First Place
- Lori Elkins, Jeffrey J. Morrell, and Robert J. Leichti. "Establishing a through-boring pattern for utility poles," 39(4) — Second Place
- Erin N. Anderson, Robert J. Leichti, Edward G. Sutt, Jr., and David V. Rosowsky. "Sheathing nail bending-yield stress: Effect on cyclic performance of wood shear walls," 39(4) — Honorable Mention

2007

- John A. Naim. "Numerical simulations of transverse compression and densification in wood," 38(4) — First Place
- R. Cristian Neagu, E. Kristofer Gamstedt, Mikael Lindstron,. "Characterization methods for elastic properties of wood fibers from mats for composite materials," 38(1) — Second Place
- Mohammed Jahangir A. Chowdhury and Philip E. Humphrey. "The effect of sequential ammonia and methyl formate injection on the strength development of phenol-formaldehyde bonds to wood," 38(2) — Honorable Mention

2006

- Sigurdur Ormarsson and Dave Cown. "Moisture-Related Distortion of Timber Boards of Radiata Pine: Comparison with Norway Spruce," 37(3): 424-436 — First Place
- Kathy L. Woo, Paul Watson, and Shawn D. Mansfield, "The Effects of Mountain Pine Beetle Attack on Lodgepole Pine Wood Morphology and Chemistry: Implications for Wood and Fiber Quality," 37(1): 112-126 — Second Place
- Mohssine Moutee, Mario Fafard, Yves Fortin, Aziz Laghdir. "Modeling the Creep Behavior of Wood Cantilever Loaded at Free End During Drying," 37(3): 521-534 — Honorable Mention
- Mohammed Jahangir A. Chowdhury and Philip E. Humphrey, "A Sealed Pressing System and its Use to Explore the Ammonia Plasticization of Natural Fiber Mats," 37(1): 42-50 — Honorable Mention

2005

- Kate E. Semple, Ross B. Cunningham, and Philip D. Evans. "Manufacture of Wood-cement Composites from Acacia Mangium: Mechanistic Study of Compounds Improving the Compatibility of Acacia Mangium Heartwood with Portland Cement," 36(2): 250-259 — First Place
- Chi-Leung So, Stan T. Lebow, Leslie H. Groom, and Timothy G. Rials. "The Application of Near Infrared (NIR) Spectroscopy to Inorganic Preservative-Treated Wood", Volume 36(3): 329-336 — Honorable Mention
- Siqun Wang, Paul M. Winistorfer, and Timothy M. Young, "Fundamentals of Vertical Density Profile Formation in Wood Composites. Part III. MDF Density Formation During Hot Pressing," 36(1): 17-25 — Honorable Mention
- Balazs G. Zombori, Frederick A. Kamke, and Layne T. Watson, "Sensitivity Analysis of Internal Mat Environment During Hot Pressing," 36(2): 195-209 — Honorable Mention

2004

- Zombori, Balazs G.; Kamke, Frederick A.; Watson, Layne T. "Simulation of the internal conditions during the hot-pressing process," 35(1): 2-23 — First Place
- Green, David W. and Evans, James W., "Effect of low relative humidity on properties of structural lumber products," 35(2): 247-265 — Honorable Mention
- Stark, Nicole M. and Rowlands, Robert E., "Effects of wood fiber characteristics on mechanical properties of wood/polypropylene composites," 35(2): 167-174 — Honorable Mention

2003

- Muszynski, Lech, Wang, Fenghu, and Shaler, Steven M. "Short-term creep tests on phenol-resorcinol-formaldehyde (PRF) resin undergoing moisture content changes," 34(4): 612-624 — First Place

- Lang, Elemer M., Bejo, Laszlo; Szalai, Jozsef, Kovacs, Zsolt, and Anderson, R. Bruce. "Orthotropic strength and elasticity of hardwoods in relation to composite manufacture. Part II. Orthotropy of compression strength and elasticity," 34(2): 350-365 — Second Place
- 2002
- Dai, Chunping. "Viscoelasticity of wood composite mats during consolidation," 33(3): 353-363 — First Place
  - Tabarsa, Taghi and Chui, Ying Hei. "Characterizing microscopic behavior of wood under transverse compression. Part II. Effect of species and loading direction," 33(2): 223-232 — Second Place
- 2001
- Zhang, Jun and Pascal Kamdem. "Interaction of copper-amine with southern pine: Retention and migration," 32(3): 332-339 — First Place
  - Anagnost, Susan E., Mark, Richard E., and Hanna, Robert B. "Utilization of soft-rot cavity orientation for the determination of microfibril angle – Part I," 32(1): 81-87 — Second Place
- 2000
- Jhang, Jian and Perry N. Peralta. "Moisture content-water potential characteristics curves for red oak and loblolly pine," 31(4): 360-369. — First Place
  - Chowdhury, Mohammed Jahangir and Philip E. Humphrey. "The effect of acetylation on the shear strength development," 31(3): 293-299. — Second Place
- 1999
- Paul Cooper. "Diffusion of copper in wood cell walls following vacuum treatment," Volume 30(4) — First Place
  - Peter W. Lau and J. Dave Barrett. "Modeling the reliability of wood tension members exposed to elevated temperatures," 30(3) — Second Place
  - Yi-ru Chen, Elmer Schmidt, and Kurt Olson. "Effect of compression of green wood chips on conidial germination and colonization of a biopulping fungus, phanerochaete," 30(1) — Honorable Mention
- 1998
- John W. Stelmokas, Audrey G. Zink, and Joseph R. Loferski. "Image Correlation Analysis of Multiple-Bolt Wood Connections," 29(3)—First Place
  - Stefan Zauscher and Philip E. Humphrey. "Orienting Lignocellulosic Fibers and Particles by Means of a Magnetic Field," 29(1)—Second Place
  - Dongjin Song and Simon Ellis. "Localized Properties in Flakeboard: A Simulation Using Stacked Flakes," 29(4)—Honorable Mention
  - Ying H. Chui and Chun Ni. "Load-Embedment Response of Timber to Reversed Cyclic Load," 29(2)—Honorable Mention
- 1997
- Laurence Mott, Stephen M. Shaler, and Leslie H. Groom; 28(4)—First Place
  - Greg C. Foliente, Mahendra P. Singh, and J. Daniel Dolan; 28(1)—Second Place
  - Barbara L. Gartner; 28(1)—Honorable Mention
- 1996
- Charles B. Vick, Klaus Richter, Bryan H. River, and Albert R. Fried, Jr.; 27(1) First Place
  - Stan T. Lebow and Jeffrey J. Morrell; 27(2) Honorable Mention
  - Thomas D. Skaggs and Donald A. Bender; 27(3) Honorable Mention
- 1995
- M.P. Wolcott, F. A. Kamke, and D. A. Dillard; 26(4) First Place
  - Paul A. Cooper and Dibyendu N. Roy; 26(3) Second Place
- 1994
- Chungping Dai and Paul Steiner; 25(4) First Place
  - Jerrold Winandy and Jeffrey Morrell; 25(3) Second Place
  - David Ritter, Robert Kroll, and Roland Gertjeansen; 25(2) Honorable Mention
- 1993
- David E. Kretschmann and B. Alan Bendtsen; 24(2) First Place
  - Charles B. Vick and Thomas E. Kuster; 24(1) Second Place
  - Kelly LaFave and Rafik Y. Itani; 24(1) Honorable Mention

16

1992

- David W. Green and David E. Kretschmann; 23(3) First Place
- Steven E. Taylor and Donald A. Bender; 23(4) Second Place
- Michael L. Hoag and Robert L. Krahmer; 23(1) Honorable Mention

1991

- M. P. Wolcott, F. A. Kamke, and D. A. Dillard; 22(4) First Place
- William T. Simpson and Yi-Fu Tan; 22(1) Second Place

1990

- Philip Humphrey and Larry Ostman; 21(3) First Place
- Irving Sachs, Gary Myers, and Gary Leatham; 21(4) Second Place

1989

- Terrence E. Connors and Thomas E. McLain; 20(2)

1988

- Leslie Groom and Anton Polensek; 19(3)

1987

- Michael Thurmond, Frank Woeste, David Green; 18(1)

1986

- Kirk Nadler, Elvin Choong, David Wetzel; 17(3)

**Student Poster Competition Award:** One of the ways that the Society nurtures the next generation of wood scientists and technologists is the Student Poster Competition. Aimed at promoting and recognizing excellence in research and communication, this competition encourages Student Members to contribute posters to a technical session at the Annual Meeting. The award consists of plaques and \$500 First Place, \$250 Second Place, and \$125 Third Place

**Past winners of this competition include:**

- 2020 First Place: Qifan Wang, Northeast Forestry University, China  
Second Place: Sujata Mandal, University of North Texas, United States  
Third Place: Faksawat Poohphajai, InnoRenew CoE, Slovenia
- 2019 First Place: Qijun Zhang, University of Tennessee, United States  
Second Place: Aitor Barbero-López, University of Eastern Finland, Finland  
Third Place: Tianyu Cao, Northeast Forestry University, China  
Third Place: Jiyao Hu, University of North Texas, United States  
Special Recognition: Brooklyn Legg, Oregon State University, United States
- 2018 First Place – Subir Kumar Biswas, *Kyoto University, Japan*  
Second Place – Chihiro Kimura, *Kyoto University, Japan*  
Third Place – Han Wang, *Nagoya University, Japan*  
Honorable Mention – Lili Cai, *Mississippi State University, United States*  
Honorable Mention – Hideaki Kanayama, *Nagoya University, Japan*  
Honorable Mention – Ayana Yamashita, *Toyama Prefectural University, Japan*
- 2017 First Place – Shiori Sato, *University of Tsukuba, Japan*  
Second Place – Jose Guerrero, *Oregon State University, USA*  
Second Place – Nanami Zeniya, *University of Tsukuba, Japan*  
Third Place – Juliana Vincente Becker, *University of São Paulo, Brazil*
- 2016 First Place – Paige McKinley, *Oregon State University, USA*  
Second Place – Stephen Amiandamhen, *University of Stellenbosch, South Africa*  
Third Place – Priscilla Morris, *North Carolina State University, USA*
- 2015 First Place – Charles Edmunds, *North Carolina State University, USA*  
Second Place – Changlei Xia, *University of North Texas, USA*  
Third Place – Jinxue Jiang, *Washington State University, USA*



- 2014 First Place – Bryan Dick, *North Carolina State University, USA*  
 First Place – Charles Edmunds, *North Carolina State University, USA*  
 Third Place – Melanie Blumentritt, *University of Maine, USA*
- 2013 First Place – Yujie Meng, *University of Tennessee*  
 Second Place – Jesse Paris, *Oregon State University*  
 Third Place – Mauricio Londono, *University of North Texas*  
 4th Place – Ying-Li (Ingrid) Tsai, *University of British Columbia*
- 2012 First Place – Wenping Shi, *Pennsylvania State University*  
 Second Place – Yucheng Peng, *University of Maine*  
 Third Place – Hong Chen, *International Centre for Bamboo and Rattan*
- 2011 First Place – Qiang Gao, *Beijing Forestry University and Mississippi State University*  
 Second Place – Xianglin Zhai, *Louisiana State University*
- 2010 First Place – Neil Kohan, *Auburn University*  
 Second Place – Alper Kiziltas, *University of Maine*  
 Third Place – Seok Sean How, *University of Canterbury*
- 2009 First Place – Arijit Sinha, *Oregon State University*  
 Second Place – Günter Modzel, *Oregon State University*  
 Third Place – Zeki Candan, *Istanbul University*
- 2008 First Place – Gloria Oporto, *University of Maine*  
 Second Place – Sandeep Nair, *University of Tennessee*  
 Third Place – Zanin Kavazovic, *Université Laval*
- 2007 First Place – Joseph Jakes, *University of Wisconsin*  
 Second Place – Zhiyuan Lin, *VPI&SU*  
 Third Place – Chris Gabrielli, *Oregon State University*
- 2006 First Place – Samuel Zelinka, *University of Wisconsin*  
 Second Place – Jinwu Wang, *Washington State Univ.*  
 Third Place – Emmanuel Kodzi, *Purdue University*
- 2005 First Place – Hermanus VanDyk, *North Carolina State Univ.*  
 Second Place – Suzana Radivojevic, *Univ. of Toronto*  
 Third Place – Sudip Chowdhury, *Washington State Univ.*
- 2004 First Place- Darren Reidlinger, *Virginia Tech*  
 Second Place- Jerome Alteyrac, *Forintek*  
 Third Place- Diogo Baptista, *University of Maine*
- 2003 First Place- B. B. Maruthi Sridhar,  
 Second Place Iris Vasquez-Cooz , *SUNY-ESF*
- 2002 First Place -Iris Vazquez-Cooz, *SUNY-ESF*  
 Second Place - Patrick Rappold, *SUNY-ESF*
- 2001 First Place - Milan Sernek, *Virginia Tech*  
 Second Place - Thaddeus J. Ryan, *Washington State University*
- 2000 First Place - Shane O'Neill, *University of Maine*  
 Second Place- Sang Yeob Lee, *University of Idaho*
- 1999 First Place- Alexander J. Salenikovich, *Virginia Tech*  
 Second Place-Fatima Moore Shmulsky, *Mississippi State Univ.*

18

- 1998 First Place--Milan Sernek, University of Ljubljana, Slovenia  
Second Place--Chris K. Andrews, University of Tennessee
- 1997 First Place--Stefan Zauscher, University of Wisconsin, Madison  
Second Place--Anthony A.R. Lukindo, University of Minnesota
- 1996 First Place—Robert G. Schmidt, Virginia Tech  
Second Place—Laura K. Brantley, Washington State University
- 1995 First Place--Audimar P. Bangi, Clemson University  
Second Place--Hung Chen, University of Minnesota

**Distinguished Educator Award:** Purpose: The SWST Distinguished Educator Award encompasses disciplines of teaching as well as outreach and is intended to recognize individual faculty and instructors at a university for sustainable performance of excellence in teaching or to recognize faculty, staff, or industry personnel for outstanding extension, engagement, and economic development activities in wood or related field. Awardees will receive \$500 cash award and a plaque.

Past Recipients of the Award:

- 2018 Douglas Gardner, University of Maine, USA  
Scott Leavengood, Oregon State University, USA
- 2016 Ilona Peszlen, North Carolina State University, USA
- 2015 Lech Muszynski, Oregon State University, USA

### ***ANNUAL CONVENTION***

Each year the Members of the Society gather to conduct business, recognize members, and explore ways that the Members and the Society can be more successful and interact personally and professionally. The Convention is in North America in odd years and in an international venue in even years.

Recent Annual Meetings and Program Topics include:

- 2020 Koper, Slovenia *“Renewable Resources for a Sustainable and Healthy Future”*
- 2019 Yosemite National Park, CA *“Renewable Materials and the Wood-based Bioeconomy”*
- 2018 Nagoya, Japan *“Era of Sustainable World – Tradition and Innovation for Wood Science and Technology”*
- 2017 Vancouver, B.C., Canada *“Forest Sector Innovations for a Greener Future”*
- 2016 Curitiba, Brazil *“Forest Resource and Products: Moving Toward a Sustainable Future”*
- 2015 Jackson Lake, Wyoming *“Renewable Materials and the Bio-Economy”*
- 2014 Zvolen, Slovakia *“Sustainable Resources and Technology for Forest Products”*
- 2013 Austin, TX *“Forest Products in a Global Sustainable Economy”*
- 2012 Beijing, China *“Sustainable Development of Wood and Biomass in our New Global Economy”*
- 2011 Portland, OR *“Challenges and Opportunities in Wood Science Education”*
- 2010 Geneva, Switzerland *“Innovative Wood Products are the Future”*

- 2009 Boise, ID *"The Role of Wood in our Green Future"*
- 2008 Concepcion, Chile *"Challenges in the 21<sup>st</sup> Century"*
- 2007 Knoxville, TN *"Advanced Analytical Techniques for Wood and Biomass"*
- 2006 Newport Beach, CA *"Effect of Decay on the Performance of Wood Buildings Under Earthquake Loading and How We Might Improve Performance"*  
*"The Role of Utilization Research in Hazardous Fuels Reduction"*  
*"The Aftermath of Katrina: The Wood Products Industry Response"*  
*"Moisture in Wood: Problem for Housing and Wood Construction"*
- 2005 Quebec City, Canada *"Nanotechnology for the Forest Products Industry"*  
*"Understanding Standing Timber Properties to Improve Wood Quality"*  
*"Wood Physics and Drying Fundamentals"*  
*"Wood Modification"*
- 2004 Grand Rapids, MI *"Wood Science and Technology in the BioBased Economy"*  
*"Surface Chemistry & Wood Finishes"*
- 2003 Bellevue, WA *"Wood Science and Technology in the Biobased Economy"*  
*"Wood Characterization: Principles and Applications"*
- 2002 Madison, WI *"The State of the Profession: Reviewing our Accomplishments, Establishing our Breadth, Outlining our Future"*
- 2001 Baltimore, MD *"Forest Products Education: Kids and Teachers"*
- 2000 Lake Tahoe, NV *"Material Changes in Residential Construction"*
- 1999 Boise, ID *"Roles of Wood Science and Technology in Forest Sustainability"*
- 1998 Merida, Mexico *"Wood Products Industry in the 21<sup>st</sup> Century: Knowledge, Technology, and Workforce Training Needs"*
- 1997 Vancouver, BC *"Distance Learning and Technology Transfer for the 21<sup>st</sup> Century"*
- 1996 Minneapolis, MN *"Current Trends and Critical Issues Affecting the Forest Products Industry"*
- 1995 Portland, OR *"Wood and Wood Products in the 21<sup>st</sup> Century"*
- 1994 Portland, ME *"Sustainable Forest Products"*
- 1993 Clearwater Beach, FL *"The Environment Movement and Fiscal Influences on Wood Products Research"*
- 1992 Charleston, SC *"An International Perspective of Wood Science and Technology and Issues Affecting Wood Utilization"*

## **COMMUNICATIONS**

### **Publications:**

- **Proceedings** of Annual Convention or Special Meetings are published to widely disseminate information to members, libraries, and others around the world. They are posted on the

website. <https://www.swst.org/wp/publications/other-publications/electronic-proceedings/>

- **Wood and Fiber Science**

Online access included in member's dues. Print copy additional \$45 or \$75 as below

Non-members - \$300.00 (online only)

\$345.00 (online + hard copy) United States \$375 Other Countries

(quarterly journal) <https://wfs.swst.org/index.php/wfs/index>

Back Issues of Wood and Fiber Science (Volumes 1-50) \$10 per volume

- **BioProducts Business**

Open Access - \$600 publishing fee per article

<http://biobus.swst.org/index.php/bpbj/index>

- **Books:**

"Characterization of the Cellulosic Cell Wall", 2003, 274 p \$25.00

"Drying Wood With High Frequency Electric Current 84 p \$10.00

Books can be ordered at <https://www.swst.org/wp/publications/other-publications/books/>

**Information Sources for Members** includes:

- *Committee Handbook* distributed to all committee members and Society leaders
- *Member Handbook* available online.
- Society of Wood Science and Technology **Web Page**  
Point your browser to <https://www.swst.org/wp/> for the latest information about the Society and current activities.

## **WOOD AND FIBER SCIENCE**

*Wood and Fiber Science* is an official publication of the Society and publishes papers with both professional and technical content of international interest. The research must focus on the science, processing, and manufacture of renewable biomaterials such as wood or fiber of lignocellulosic origin. All manuscripts are to be written in US English; the text should be proofread by a native speaker of English prior to submission. Any manuscript submitted must be unpublished work not being offered for publication elsewhere

Papers will be reviewed by referees selected by the editor and will be published in approximately the order in which the final version is received. Papers will be judged on the basis of their contribution of original data and ideas or interpretation of, or in the case of reviews, on their relevancy and completeness. Upon acceptance and publication by *Wood and Fiber Science*, a manuscript must not be published again in any form without written consent of both author(s) and editor.

**Page Charges:** If you choose page charges, the article is not open access until 5 years after publication. Also, SWST retains copyrights except in those cases where the majority of authors are employed by the United States government, then copyright agreements are waived. If authors select page charges, they can list the abstracts on various websites without violating copyright agreement, but the entire document cannot be listed. Page charges for members is \$75 per page; for non-members \$150 per page.

**Open Access:** If open access fee is selected, it is immediately open access. Also, the authors retain the copyrights and can list the entire document on selected websites, not just the Abstracts. Open Access fee is a flat \$1500.

Color figures will be billed to the author at \$400 for the first figure in the paper and \$250 for each subsequent figure.

Submissions are through the online manuscript management system at: <https://wfs.swst.org/index.php/wfs/login> Current editor is Susan Levan-Green [sue.levangreen@gmail.com](mailto:sue.levangreen@gmail.com)

*Wood and Fiber Science* is published quarterly in January, April, July and October. The cost is \$45 or \$75 to receive the hard copy of the journal. All SWST members have access to all full-text electronic versions of current and past *Wood and Fiber Science* issues, by signing into the Members Login section of the SWST webpage.

## **BioProducts Business**

*BioProducts Business* is dedicated to advance theoretical and practical understanding of wide-ranging business topics related to wood products, bio/renewable products, and non-wood products and services. The journal publishes timely, rigorous, technically sound, and scientific manuscripts. It strives to disseminate new knowledge bridging the scientific and professional communities. By achieving these aims it is the top-tier, high impact journal in the field.

The journal welcomes empirical and theoretical contributions covering both the micro (firm level issues) and macro environments (issues spanning social, technical, economic, and policy domains) surrounding a wide range of businesses and enterprises focused on lignocellulosics.

All accepted papers enhance knowledge covering domains such as marketing, management, international business, entrepreneurship, innovation, strategy, human resource management, sustainability, ownership, social and environmental justice, economic development, and policy.

Submissions are through the online manuscript management system at: <http://biobus.swst.org/index.php/bpbj/login/> Current editor is Eric Hansen [eric.hansen@oregonstate.edu](mailto:eric.hansen@oregonstate.edu)

## **Open Access**

Manuscripts published in the journal are open access and copyrighted according to the Creative Commons Attribution 4.0 International (CC BY 4.0) which requires attribution to the author but can be readily shared and adapted.

Open access publishing is not without costs. These costs are defrayed through a one-time article processing fee of \$600 (Authors from emerging countries are eligible for a fee of \$200 – <http://www.swst.org/wp/membership/list-emerging-countries/>). This provides for immediate, global access to each article and covers all layout and web hosting costs. Any changes in this value are made by the SWST Board of Directors.

All *BioProducts Business* articles are archived through the Public Knowledge Project platform (<http://biobus.swst.org/index.php/bpbj/issue/archive>).

## **Digital Communications Coordinator**

This position is suitable for a graduate student enrolled in wood-related degree programs, with a special interest in the digital world and communication. The Coordinator is responsible for implementing a communication campaign and disseminating information on the activities of the SWST via social media. The initial term for the position of Digital Communications Coordinator began January 1, 2017 and is a 3-year term. A solicitation goes out to members for the position. A current coordinator can also submit a request to renew their position. The current Digital Communications Coordinator is Pipiet Larasatie [larasatp@oregonstate.edu](mailto:larasatp@oregonstate.edu)

## **VISITING SCIENTIST PROGRAM**

**Domestic:** The SWST Visiting Scientist Program is designed to facilitate interchange between outstanding specialists in wood science or technology and interested educational, industrial, or governmental organizations. Many of the foremost wood scientists in the Society have participated in the Program. Their presentations have consistently won praise from the hosts, and the visitors have found their time to be stimulating and enjoyable.

In addition to providing a forum for discussions on wood, the Society expects the Program to create interest in careers in wood science and technology and to assist in improving existing educational programs in this area. We believe that bringing people together to discuss these problems benefits both the scientists and the participants.

The format of visits is arranged between the host institution and the visiting scientist. Generally, a visit is scheduled for one- or two-day's duration. During this time, the visitor gives a number of lectures or seminars and has discussions with individuals. The sessions may be highly technical or designed to acquaint broader non-specialist audiences with work in the field.

The Society places no restrictions on the visit but does have two requirements. One is that the Society be acknowledged as a sponsor in any announcements or bulletins. The second is that the host institution and the scientist submit a brief report on the visit to the Visiting Scientist Committee.

SWST pays transportation costs of the scientist to and from the host institution. The host is responsible for all of the local costs. As a part of the request, the host institution is asked to provide some nominal direct contribution to the program. However, in many cases, the visiting scientist's organization has covered the entire cost of the visit.

Any member of the Society in good standing is eligible to be a Visiting Scientist. Forms and more information at <https://www.swst.org/wp/education/visiting-scientist-program/>

**International:** The Society of Wood Science and Technology (SWST) is providing international travel grants for the professional growth of members each calendar year. These grants are to enhance the members' international perspective and networking with scientists, technologists, and engineers from other countries that are so vital to the success of SWST in the future. Successful candidates are also to bring colleagues from their home country into the networks they establish.

*Amount:* \$2000 for each grant to help cover travel expenses (maximum of 2 grants per year). More information at <https://www.swst.org/wp/education/visiting-scientist-program/guidelines/>

### **Past Recipients**

| Year | Visiting Scientist                | Country Visited                      |
|------|-----------------------------------|--------------------------------------|
| 2018 | Francesco Negro                   | USA                                  |
| 2016 | H. Michael Barnes and Jilei Zhang | USA and China                        |
| 2013 | Stephen Tekpetey                  | USA                                  |
| 2012 | Lech Muszynski                    | Austria                              |
| 2010 | Jae-Woo Kim                       | Austria                              |
| 2009 | Barbara Lachenbruch               | French Guiana                        |
| 2004 | Lech Muszynski                    | Sweden                               |
| 2001 | Earl Kline                        | Sweden                               |
| 1999 | K. Frimpong-Mensha                | United Kingdom                       |
| 1998 | John Saddler                      | Australia And New Zealand            |
| 1997 | John Wang                         | China                                |
| 1997 | Elvin Choong                      | China                                |
| 1994 | Stephen Shaler                    | China                                |
| 1993 | Michael Hoag                      | United Kingdom, Switzerland, Germany |
| 1992 | Douglas Stokke                    | Asia                                 |
| 1992 | Fred Kamke                        | Austria                              |

**Short Term Scientific Missions (STSM):** Short Term Scientific Missions (STSM) are institutional visits aimed at supporting individual mobility, fostering collaboration between individuals.

STSM applicants must be engaged in an official research program as a PhD Student or postdoctoral fellow or can be employed by, or affiliated to, an institution, organization or legal entity which has within its remit a clear association with performing research. The institution / organization or legal entity where applicants pursue their main strand of research is considered as the Home institution. The Host institution is the institution / organization that will host the successful applicant. The applicant must be an SWST member. The host must be a senior researcher and SWST member. The institutional visits must be performed at a host institution on a different continent (for example USA applicant visit research institution in Europe or Asia). Full information can be found at <https://www.swst.org/wp/education/short-term-scientific-missions-stsm/>

**Past Recipients:**

2020 – Raphaela Hellmayr, BOKU - University of Natural Resources and Life Sciences, Austria  
Martin Nopens, Universität Hamburg, Germany  
Andry Clarel Raobelina, University of Antananarivo, Madagascar  
2019 – Michelle Balasso, University of Tasmania visiting InnoRenew, Slovenia  
Andreja Pirc Barčič, University of Zagreb visiting Oregon State University, USA

## APPENDIX

### *SWST PRESIDENTS*



1958-59 James S. Bethel  
 1959-60 Stephen B. Preston  
 1960-61 James S. Bethel  
 1961-62 Arthur F. Muschler  
 1962-63 Robert L. Youngs  
 1963-64 Stephen B. Preston  
 1964-65 Fred F. Wangaard  
 1965-66 Eric L. Ellwood  
 1966-67 Robert J. Hoyle, Jr.  
 1967-68 William T. Nearn  
 1968-69 Ben A. Jayne  
 1969-70 John G. Haygreen  
 1970-71 Fred L. Brown  
 1971-72 Gilbert L. Comstock  
 1972-73 Robert M. Kellogg  
 1973-74 Arno P. Schniewind  
 1974-75 Albert N. Foulger  
 1975-76 Eric A. Anderson  
 1976-77 Thomas M. Maloney  
 1977-78 Erwin L. Schaffer  
 1978-79 Robert W. Erickson  
 1979-80 John H. Brown  
 1980-81 Helmuth Resch  
 1981-82 Richard J. Thomas  
 1982-83 Warren S. Thompson  
 1983 George G. Marra  
 1983-84 Craig E. Schuler  
 1984-85 Craig E. Schuler  
 1985-86 Fred W. Taylor  
 1986-87 E. Allan McGinnes,  
 1987-88 James L. Bowyer  
 1988-89 J.D. Wellons

1989-90 Donald Arganbright  
 1990-91 James B. Wilson  
 1991-92 Frank C. Beall  
 1992-93 A. William Boehner  
 1993-94 Paul Blankenhorn  
 1994-95 Howard N. Rosen  
 1995-96 Geza Ifju  
 1996-97 Duane Lyon  
 1997-98 Frederick A. Kamke  
 1998-99 J. David Barrett  
 1999-00 Thomas E. McLain  
 2000-01 W. Ramsay Smith  
 2001-02 H. Michael Barnes  
 2002-03 Robert W. Rice  
 2003-04 Douglas Stokke  
 2004-05 Audrey Zink-Sharp  
 2005-06 Paul M. Smith  
 2006-07 Douglas Gardner  
 2007-08 James P. Armstrong  
 2008-09 Jerrold E. Winandy  
 2009-10 James W. Funck  
 2010-11 Susan E. Anagnost  
 2011-12 Todd Shupe  
 2012-13 Alain Cloutier  
 2013-14 Sheldon Shi  
 2014-15 Michael Wolcott  
 2015-16 Eric Hansen  
 2016-17 Sudipta Dasmohapatra  
 2017-18 Robert Smith  
 2018-19 Nicole Brown  
 2019-20 Eva Haviarova  
 2020-21 Andreja Kutnar



### ***DISTINGUISHED SERVICE AWARD: CRITERIA AND PROCEDURES***

This award is made by the 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 this event; life membership in the Society; and a citation in *Wood and Fiber Science*. When appropriate, they will be asked to deliver a presentation and 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 call for nominations goes out January 1 each year from the Executive Director. A nominee for this award is required to be a member of SWST. The letter of nomination with justification not to exceed one page must be sent to the Executive Director by February 15 each year. 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 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. This must be submitted in electronic copy. In general, recipients of this honor will be people who have reached high levels of attainment. However, age limits are not to be considered limitations of this award.

A committee composed of the five previous past presidents, with the Chair being the immediate past president, will function annually to examine the credentials of nominees worthy of this award and to make appropriate recommendations to the Executive Board based on their judgment. This committee can also function as a search committee, nominating candidates according to the above guidelines. Once the committee has the nominations, the Chair of the committee will then send all background documentation to all Past Presidents by email for their vote. The Chair will then transmit the recommendation of the Past Presidents' Council to the Executive Board by March 1. The Executive Board is solely responsible for the final selection of the recipient of the Award and is not bound by the recommendation of the Council. However, the Council, being composed of past presidents of the Society, will have much historical background to offer and its recommendations should be carefully weighed by the Board.

If a person is nominated for the DSA and they serve on the Past Presidents' Council, they should not vote on the nomination because of a conflict of interest.

Nominations for the SWST Distinguished Service Award (DSA) will be considered for three years following their submission to the SWST Office. If the nominee is not selected within the three-year period, updated nomination materials must be resubmitted for the candidate to be considered in subsequent years.

### ***SWST FELLOW QUALIFICATIONS AND PROCEDURES FOR NOMINATION***

Purpose: To recognize significant contributions to the wood science and technology profession and service to the Society by SWST members.

SWST Fellow Qualifications: 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.

#### Promoting the Profession

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 future DSA recipients may be considered for Fellow status, and all Past Presidents may be considered for Fellow status in the sixth year following their term of service (i.e., immediately after they rotate off the DSA Subcommittee).

All nominations for the rank of SWST Fellow must be forwarded to the SWST Executive Director 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 International Convention and presented an appropriate plaque by the SWST president.

If a person is nominated for the Fellow Award and they serve on the Past Presidents' Council, they should not vote on the nomination because of a conflict of interest.

Nominations for the SWST Fellow will be considered for three years following their submission to the SWST Office. If the nominee is not selected within the three-year period, updated nomination materials must be resubmitted for the candidate to be considered in subsequent years.

#### **GUIDELINES AND PROCEDURES FOR THE GEORGE MARRA AWARD**

1. Award recognizes excellence in writing and research.
2. Papers considered are those published in the four quarterly issues of one volume of Wood and Fiber Science.
3. The first-place award consists of the following:
  - a. \$1000 to the author(s)
  - b. A plaque to the sponsoring firm or institution
  - c. Plaque(s) to the author(s)

The second-place award will consist of plaque(s) to the author(s). Up to two other papers may be selected for honorable mention or third place, for which plaque(s) will be awarded.
4. Presentation of the awards will take place at the International Convention.
5. The selection committee will be appointed by the President.
6. The selection committee will consist of at four members, one of which will be designated the chair by the President. Chair position will rotate each year among private sector, government, and academia. One member will be selected from each of the areas of the private sector, government, and academia. A fourth member of the committee can be from any sector. A committee member with a paper being considered for an award, must abstain from voting on their paper.
7. Committee responsibilities are as follows:
  - a. Individually "score" all papers in the volume using George Marra's judging criteria.
    - 1) Clarity and completeness of the introductory section (30 points)
      - Objective
      - Introduction

- General procedures
- 2) Conclusion, recognition and literature (20 points)
    - Conclusion that speaks to objective
    - Recognition of important assistance received
    - Command of the literature
  - 3) Clarity of exposition, i.e., understandable to those in other specialties (20 points)
  - 4) Research quality (30 points)
    - Complexity of the problem
    - Originality
    - Impact on present knowledge of the subject
- b. Committee chair will rank papers based on average score obtained from combining each member's scores.
  - c. Each member re-review and rank the four papers with the highest combined scores.
  - d. Combine reviews and select the first and second (if warranted) place papers and those for honorable mention (if any).
8. The chair will report the selection of the winning paper(s) to the President by 90 days prior to the SWST International Convention.
- Revised 6/01

## **Constitution and Bylaws**

**Article I -- Name.** The name of this Society shall be Society of Wood Science and Technology, Incorporated.

**Article II -- Purpose and Objectives.** The purpose of this Society is:

- Develop and maintain the unique body of knowledge distinctive to wood science, lignocellulosic materials and their technologies
- Encourage the communication and use of this knowledge
- Promote policies and procedures which assure the wise use of wood and lignocellulosic materials
- Foster education programs at all levels of wood science, lignocellulosic materials, and their technologies and further the quality of such programs

The assets of this Society will be dedicated to the pursuit of science and will, under dissolution of the Society, be distributed to one or more scientific organizations dedicated to scientific purposes that are organized under section 501(c)(3) of the Internal Revenue Code.

## **Article III -- Membership**

**Section 1.** Membership shall consist of Professional Members and Student Members.

**Section 2.** Only Professional Members shall be eligible to vote and hold elective office.

**Section 3.** A Professional Member shall:

- a) hold a degree from an SWST-accredited program; or
- b) hold a degree, or the equivalent, from a qualifying college or university within a discipline related to wood science and technology and have met the education or experience requirements specified in the Bylaws.

**Section 4.** A Student Member shall be an undergraduate or graduate student in a qualified college, university, or scientific school as specified in the Bylaws.

**Section 5.** Dues shall be assessed annually as prescribed by the Bylaws.

## **Article IV - - - Meetings of Members**

**Section 1. Annual Meeting of Members.** The Society shall hold an Annual Meeting of Members at a time and place to be fixed by the President.

**Section 2. Special Meetings.** Special meetings of Members may be held at the call or the request of the President, a majority of the Board, or the request of at least 10% of the Members.

**Section 3. Attendance and Voting.** Attendance at the Annual Meeting of Members and any

Special Meeting of Members is open to all Members. Each Member has one vote on any matter submitted to the Members. For the purpose of this section, a person shall be deemed to have become a member on the date the Society receives his or her dues. Voting will be conducted electronically or from time to time by other means as determined by the Board. All matters submitted to the Members are determined by a majority vote of those voting.

**Section 4. Action by Written Ballot.**

(a) Any action that may be taken at an Annual, regular or Special Meeting of Members may be taken without a meeting if the Society delivers a written ballot to every member entitled to vote on the matter. "Written ballot" includes a ballot transmitted or received by electronic means. A written ballot shall set forth each proposed action and provide opportunity to vote for or against each proposed action.

(b) Approval by written ballot shall be valid only when the number of votes cast by ballot equals or exceeds the quorum required to be present at a meeting authorizing the action, and the number of approvals equals or exceeds the number of votes that would be required to approve the matter at a meeting at which the total number of votes cast was the same as the number of votes cast by ballot.

(c) A solicitation for votes by written ballot shall include all of the following: (i) the number of responses needed to meet the quorum requirements; (ii) the percentage of approvals necessary to approve each matter other than election of directors; and (iii) the time by which a ballot must be received by the corporation in order to be counted.

(d) The written ballot shall be sent to all voting Members at least 30 days prior to the Annual Meeting. Balloting will be closed 30 days after ballots are emailed. The nominee for each office receiving a plurality of votes cast for the office shall be elected. In the event of a tie in any office, the Board will resolve the tie by a majority vote.

**Section 5. Quorum.** Except as otherwise provided in this Constitution or the Bylaws, voting by ten (10%) percent of the total Membership constitutes a quorum for any matter submitted to the Membership for a vote.

**Section 6. Proxies.** Members may not vote by proxy.

**Section 7. Conduct of Meetings.** The President shall preside over all meetings of the Members. The Secretary shall keep the minutes of the meeting and record in an electronic minute book all resolutions adopted at the meeting as well as recording all transactions occurring at the meeting.

**Section 8. Written Consent: Action without a Meeting.** In accordance with §181.0704, Wis. Stats., any action required or permitted to be approved by the Members, may be taken without a meeting if a consent in writing setting forth the action to be taken, shall be signed by Members holding at least two-thirds (2/3) of the voting power of the Society. Any such consent signed by two-thirds (2/3) of the members has the same effect as a two-thirds (2/3) vote and may be stated as such in any document filed with the Department of Financial Institutions. For purposes of this section, pursuant to § 181.0821(1r) of the Wisconsin Statutes, "in writing" includes a communication that is transmitted or received by electronic means and "signed" includes manual signatures as well as electronic processes associated with a writing and executed or adopted by a person with intent to authenticate a writing, such as an affirmative reply in an email, as defined in §181.0103 (10p) of the Wisconsin Statutes, as amended from time to time.

**Section 9. Notice of Meetings.**

(a) Notice shall be provided to each Member regarding each Annual and each special meeting, stating the time and place of the meeting, and in the case of a special meeting, the purposes of the special meeting.

(b) Notice of a member meeting shall be given not fewer than ten (10) days, and not more than forty-five (45) days, before the date scheduled for the meeting referred to in the notice. Notice may be given by E-mail.

(c) Whenever any notice is required to be given under the provisions of Wisconsin nonstock corporation law or under the provisions of the Articles of Incorporation or the Bylaws of this Society, a waiver thereof in writing, signed by the person or persons entitled to such notice, whether before or after the time stated therein, shall be deemed equivalent to the giving of such notice.

**Article V - - - Board of Directors**

**Section 1. General Powers.** The management, control and operation of the affairs and properties of the Society are vested in the board of directors of the Society (the "Board" or the "Executive Board"). The Board is responsible for planning, coordinating, communicating and managing all Society activities, including decisions related to maintaining the normal business

operations of the organization and proposing, adopting, and managing the budget of the Society. The Board is empowered to promote the objectives of the Society by receiving and administering grants and cooperating with other organizations, agencies, and individuals and to act on all other matters for which specific provision is not made in the constitution and bylaws.

**Section 2. Composition of the Board.**

(a) The Board shall consist of at least nine (9) but not more than thirteen (13) persons and will be comprised of the officers of the Society, the immediate past President, four (4) At-Large Directors, the Newsletter Editor, and the Wood and Fiber Science Editor (collectively, the "Directors"). The Directors shall consist of persons who support the purposes of the Society. Consistent with Article 3, only Professional Members in good standing are eligible for election to the Board; Student Members are not eligible for election to the Board. Other qualifications for Directors and criteria for the selection process may be established from time to time by the Board.

(b) The President shall become the immediate past President for a term of one (1) year after the conclusion of her or his term as President. The immediate past President is a Director, his or her service shall count against the total number of Directors, and the Director term limits do not apply. The immediate past President shall serve as senior advisor to the President and the Board.

(c) The Newsletter Editor and the Wood and Fiber Science Editor shall be selected consistent with Article 9 of the Bylaws, and shall serve terms of three (3) years or until such Director's successor is elected and assumes her or his position.

**Section 3. Nominations and Election of Directors.** Consistent with the composition requirements of Section 5.2, the slate of At-Large Director candidates for election will be established by the Nominating Committee, or the Board if a Nominating Committee does not exist. The Nominating Committee shall consist of three (3) Members who are not Directors or Officers. Nominations may also be made by petition signed by at least ten (10) voting Members. At least two Members shall be placed in nomination for each office to be filled by the election. The slate shall be presented to the Members and the Members shall elect the At-Large Directors from this slate of nominees. Each voting Member shall vote for the number of Directors to be elected from the slate. Election will be conducted by written ballot, consistent with Article 4.4. Elected Directors shall assume the duties of their office at the close of business of the annual meeting following their election, unless otherwise determined by the Board.

**Section 4. Term.** Each At-Large Director shall serve a term of two (2) years or until such Director's successor is elected and assumes her or his position. The terms of the Directors shall be staggered so that the terms of future directors expire in different years. No Director may serve for more than three (3) consecutive full terms. After an absence of one (1) year from the Board, an individual shall become eligible again for election to the Board. Partial terms do not count as a full term.

**Section 5. Resignation/Removal/Vacancy.** A resignation by a Director must be in writing and is effective when received by the President or Secretary. A Director may be removed by the Members upon the approval of at least fifty percent (50%) of all voting Members in the Society. When vacancies on the Board occur by reason of death, resignation, failure of qualification, or otherwise, a replacement Director shall be named by the Board until the next scheduled election or, if no replacement is named, the number of Directors shall be reduced by such vacancies until qualified replacements are appointed. At no time will the number of Directors be fewer than three (3).

**Section 6. Annual Meeting.** The annual meeting of Board shall be held following the Annual Meeting of Members, on such day and at such place and time as determined by the President (the "Annual Meeting"). The purpose of the Annual Meeting is to establish the budget and priorities for the year, and to transact such other business as may come before the meeting.

**Section 7. Regular and Special Meetings.** Regular meetings of the Board shall be held at such times as the Board may designate, at such place as the Board may designate. Special meetings of the Board may be called by the President or by three (3) or more Directors at such time and place as the President or Directors calling the meeting may specify and in accordance with the notice requirements of this Article 5.

**Section 8. Quorum.** To establish a quorum of the Board, a simple majority of all the Directors must be present, provided that for those actions of the Board requiring more than a majority vote as provided in the Bylaws, the number of Directors required to take that action must be present at the meeting in order to have a quorum.

**Section 9. Manner of Acting.** Except where otherwise provided by law or in these Bylaws, the

act of the majority of the Directors present at a meeting at which a quorum is present shall be the duly authorized act of the Board.

**Section 10. Written Consent: Action without a Meeting.** In accordance with Section 181.0821, Wis. Stats., any action that would be taken at a meeting of the Board, except for action relating to amending the Constitution or dissolving the Society, may be taken without a meeting if a consent in writing setting forth the action to be taken, is signed by two-thirds (2/3) of all of the Directors, provided all Directors receive notice of the text of the written consent and of its effective date and time. Any such consent signed by two-thirds (2/3) of all of the Directors has the same effect as a two-thirds (2/3) vote taken at a duly convened meeting of the Board at which a quorum is present and may be stated as such in any document filed with the Wisconsin Department of Financial Institutions. For purposes of this section, pursuant to Section 181.0821(1r), Wis. Stats., "in writing" includes a communication that is transmitted or received by electronic means, including electronic mail ("email"), and "signed" includes manual signatures as well as electronic processes associated with a writing and executed or adopted by a person with intent to authenticate a writing, such as an affirmative reply in an email, as defined in Section 181.0103(10p), Wis. Stats., as amended from time to time.

**Section 11. Compensation.** Directors will not be paid compensation for their services as Directors, provided that nothing in these Bylaws will be construed to prohibit payment of compensation to an individual who serves as a Director for services rendered to the Society in another capacity or reimbursement of expenses related to undertaking the Society's business.

**Section 12. Meetings by Electronic Means of Communication.** The Board or any committee of the Board may conduct any regular or special meeting by use of any electronic means of communication provided: (1) all participating Directors may simultaneously hear or read each other's communications during the meeting or (2) all communication during the meeting is immediately transmitted to each participating Director and each participating Director is able immediately to send messages to all other participating Directors. Before the commencement of any business at a meeting at which any Directors do not participate in person, all participating Directors shall be informed that a meeting is taking place at which official business may be transacted. Participation in such manner shall constitute presence in person at such meeting for the purposes of these Bylaws.

**Section 13. Notice.** Notice of meetings may be given by email. Notice need not be given of regular meetings of the Board, except a regular meeting at which the amendment or repeal of the Bylaws or the adoption of new Bylaws or the removal of a Director is to be considered requires seven (7) days advance written notice. Special meetings must be preceded by at least forty-eight (48) hours notice to each Director.

**Section 14. Director Conflict of Interest.** The Board shall comply with the Conflict of Interest Policy that is attached as Exhibit A, as amended from time to time.

## **Article VI -- Officers**

**Section 1. Officers.** The officers of the Society shall be a President, President-Elect, Vice-President, and Secretary-Treasurer. No individual may hold two offices simultaneously.

**Section 2. Election/Appointment.** The Nominating Committee shall establish the slate of candidates for Vice-President, consistent with Article 5.3. At least two Members shall be placed in nomination for each office to be filled by the election. The slate shall be presented to the Members and the Members shall elect the Officers from this slate of nominees. Each Member shall vote for the number of Officers to be elected from the slate. The nominees with the greatest number of votes are elected. The Vice-President shall be elected by the voting Members prior to the Annual Meeting of the Members, typically in [month], unless otherwise determined by the Board. The Secretary-Treasurer shall be appointed by the Board.

**Section 3. Term of Office and Removal.** The Officers shall serve one (1) year terms. Officers shall serve until their successors are elected or appointed. After an absence of one (1) year from the Board, an individual shall become eligible again for election as an officer. An Officer may be removed by the Members upon the approval of at least fifty percent (50%) of all voting Members in the Society.

(a) If the President's office becomes vacant, the President-Elect shall assume the office of President for its unexpired term.

(b) If the President-Elect's office becomes vacant, the Vice-President shall assume the office of President for its unexpired term. The Vice-President will advance to the presidency without

election at the end of the term as Vice-President. A President-Elect and a Vice-President will be elected at the next election.

(c) If the office of Vice-President is vacated, it shall remain vacant until the next election, at which time both a President-Elect and a Vice-President will be elected.

(d) If a vacancy occurs in any other office, the Board shall appoint a successor to complete the term of office.

**Section 4. President.** The President shall preside at all meetings of the Board, be an ex-officio member of all committees, represent the views of the Society to public and private funding sources, and perform such other duties that are ordinarily the function of the office or that are assigned by the Board from time to time, consistent with the corporate policies. The President shall supervise the operations of the Board, and shall guide the officers and committee chairpersons in the performance of their duties. Following his or her term, the President shall automatically succeed to the office of immediate past President.

**Section 5. President-Elect.** The President-Elect will have such duties as determined from time to time by the Board of Directors. The President-Elect will discharge the duties of the President in the event of his or her absence or inability to act, in order of rank. The President-Elect will assist the President in the performance of his or her duties as the President directs, including coordinating monthly Board meetings and annual elections. Following his or her term, the President-Elect shall automatically succeed to the office of President.

**Section 6. Vice-President.** The Vice-President will have such duties as determined from time to time by the Board of Directors. The Vice-President will discharge the duties of the President-Elect in the event of his or her absence or inability to act, in order of rank. Following his or her term, the Vice-President shall automatically succeed to the office of President-Elect.

**Section 7. Secretary-Treasurer.** The Secretary-Treasurer shall sign documents of the Society from time to time as required and shall see that minutes of the meetings of the Board are taken and maintained; see that notices are duly given in accordance with the provisions of these Bylaws or as required by law and be custodian of the corporate records. The Secretary-Treasurer shall see that an adequate and accurate accounting system is maintained and that financial reports are presented to the Board and is empowered to collect dues as specified in the Bylaws. The Secretary-Treasurer shall advise the Board on the handling of the Society's monies and investments. The Secretary-Treasurer shall perform such other duties as may be assigned by the Board or the President.

## **Article VII – Executive Director**

The Society is authorized to employ an Executive Director, who shall serve at the pleasure of the Board at compensation prescribed by the Board. The Executive Director shall have authority, subject to such rules as may be prescribed by the Board and consistent with the Society's personnel policies, to appoint and terminate such agents and employees of the Society as he or she shall deem necessary, to prescribe their powers, duties, and compensation, and to delegate authority to them. In general, the Executive Director shall have authority to execute and sign documents on behalf of the Society as an agent of the Society as set forth in Board policies. The Executive Director shall receive notice of and attend all meetings of the Board except during those parts of meetings when the subject is the Executive Director or any issue related to the Executive Director's employment. The Executive Director may participate in all discussions but shall have no vote.

## **Article VIII – Committees of the Board of Directors**

The Board may appoint such committees as it desires. If an Executive Committee is formed, it shall consist of the four (4) Officer Directors. The Executive Committee shall have and may exercise, when the Board is not in session and without specific designation, all of the powers of the Board in the management of the affairs of Society, except action with respect to election of officers or the filling of vacancies on the Board or on committees.

Any other committee shall include at least one Director and as many non-Director Members as the Board desires. Any committee that does not consist entirely of Directors shall have only the authority delegated to it by the Board. Such committees shall be representative of the international membership of the Society.



## Article IX – Operations

**Section 1. Contracts.** The President and Executive Director may enter into any contract or execute and deliver any instrument in the name of and on behalf of the Society, consistent with Board policies. The Board may authorize any other officer or officers, agent or agents of the Society, in addition to the officers so authorized by these Bylaws, to enter into any contract or execute and deliver any instrument in the name of and on behalf of the Society, and such authority may be general or confined to specific instances.

**Section 2. Checks, Drafts, Etc.** All checks, drafts or orders for the payment of money, notes or other evidences of indebtedness issued in the name of the Association, shall be signed as set forth in Board policies.

**Section 3. Deposits.** All funds of the Society shall be deposited from time to time to the credit of the Association in such banks, trust companies or other depositories, consistent with Board policies.

**Section 4. Gifts.** The Board may accept on behalf of the Society any contribution, gift, bequest or devise for the general purposes or for any special purposes of the Society.

**Section 5. Books and Accounts.** The Society shall keep or cause to be kept correct and complete books and records of account and also keep minutes of the proceedings of the Board and its committees. In addition, the Society shall cause to be filed the necessary reports, tax returns or other documents as may be required by law on its own behalf.

**Section 6. Nondiscrimination Policy.** The Society does not and shall not discriminate on the basis of race, color, religion (creed), gender, gender expression, age, national origin (ancestry), disability, marital status, sexual orientation, or military status, in any of its activities or operations

## Article X – Indemnification, Limited Liability and Insurance

**Section 1. Indemnification.** The Society shall, to the fullest extent authorized by Chapter 181, Wis. Stats., indemnify each Director and officer of the Society against reasonable expenses and against liability incurred by a Director or officer in a proceeding in which he or she was a party because he or she was a Director or officer of the Society. These indemnification rights shall not be deemed to exclude any other rights to which the Director or officer may otherwise be entitled. The Society shall indemnify any employee who is not a Director or officer of the Society, to the extent the employee has been successful on the merits or otherwise in defense of a proceeding, for all reasonable expenses incurred in the proceeding if the employee was a party because he or she was an employee of the Society. The Society may, to the fullest extent authorized by Chapter 181, Wis. Stats., indemnify, reimburse, or advance expenses of Directors, officers, or employees.

**Section 2. Limited Liability of Directors, Officers.** To the fullest extent authorized by Chapter 181, Wis. Stats., and except as provided in Subsections (2) and (3) of Wisconsin Statutes Section 181.0855, a Director or officer is not liable to the Society, its members or creditors, or any person asserting rights on behalf of the Society, its members or creditors, or any other person, for damages, settlements, fees, fines, penalties or other monetary liabilities arising from a breach of, or failure to perform, any duty resulting solely from his or her status as a Director or officer, unless the person asserting liability proves that the breach or failure to perform constitutes any of the following:

- (a) A willful failure to deal fairly with the Society or its members in connection with a matter in which the Director or officer has a material conflict of interest;
- (b) A violation of criminal law, unless the Director or officer had reasonable cause to believe that his or her conduct was lawful or no reasonable cause to believe that his or her conduct was unlawful;
- (c) A transaction from which the Director or officer derived an improper personal profit or benefit; or
- (d) Willful misconduct.

**Section 3. Limited Liability of Volunteers.** To the fullest extent authorized by Chapter 181, Wis. Stats., and except as provided in Section 181.0670(3), Wis. Stats., a volunteer (as defined in Section 181.0670, Wis. Stats.) is not liable to any person for damages, settlements, fees, fines, penalties or other monetary liabilities arising from any act or omission as a volunteer, unless the person asserting liability proves that the act or omission constitutes any of the following:

- (a) A violation of criminal law, unless the volunteer had reasonable cause to believe that his or

her conduct was lawful or had no reasonable cause to believe that his or her conduct was unlawful;

(b) Willful misconduct;

(c) If the volunteer is a director or officer of the Society, an act or omission within the scope of the volunteer's duties as a director or officer;

(d) An act or omission for which the volunteer received compensation or any thing of substantial value instead of compensation; or

(e) Negligence in the practice of a profession, trade or occupation that requires a credential, as defined Wisconsin Statutes Section 440.01 or other license, registration, certification, permit or approval, if the volunteer did not have the required credential, license, registration, certificate, permit or approval at the time of the negligent act or omission.

**Section 4. Purchase of Insurance.** The Society may purchase and maintain insurance on behalf of any person who is or was a director or officer of the Society, to the extent that such director or officer is insurable and such insurance coverage can be secured by the Society at rates and in amounts and subject to such terms and conditions as shall be determined in good faith to be reasonable and appropriate by the Board of Directors of the Society, and whose determination shall be conclusive, against liability asserted against or incurred by him or her in any such capacity or arising out of his or her status as such, whether or not the Society would have the power to indemnify him or her against such liability under the provisions of this Article X.

## **Article XI – Amendments**

**Section 1.** Proposed amendments to the Constitution may be submitted to the Board by petition of at least 10 percent of the voting Members or they may be initiated by the Board.

**Section 2.** The Board shall distribute the proposed constitutional amendment among the Members at least 30 days prior to the beginning of an Annual Meeting, at which the proposal shall be approved, modified, or disapproved.

**Section 3.** The amendment as approved at the meeting shall be submitted to the voting Members for ballot within 30 days after the meeting and shall be adopted if approved by a majority of Members voting within 30 days.

## **Article XII -- Bylaws**

**Section 1.** The Society shall adopt bylaws to ensure the orderly conduct of business.

**Section 2.** Amendments to the bylaws may be proposed by any Director or Member.

**Section 3.** Amendments to the bylaws may be ratified by either (1) a majority of voting Members at an Annual Meeting or by written ballot, or (2) by a majority of Directors.

## **Article XIII -- Fiscal Year and Financial Records**

**Section 1.** The fiscal year shall begin on January 1 and end on December 31.

**Section 2.** The financial records of the Secretary-Treasurer shall be audited by a committee appointed by the President prior to each Annual Meeting and a summary statement thereof shall be submitted to the membership.

## **Article XIV -- Adoption of the Constitution**

The constitution of January 1, 1960, was ratified by a majority of the voting members.

The amendments to Article II and XI were ratified on August 16, 1962.

The amendments to Article I were ratified on August 16, 1962.

The addition of Article XII was ratified on October 2, 1967.

The amendments to Article III were ratified on August 31, 1970.

The changes in the Bylaws were ratified on July 11, 1976.

The amendments to Article II were ratified on October 27, 1977.

The changes to the Bylaws were ratified on July 8, 1979.

The amendments to Article II and changes to the Bylaws were ratified on June 20, 1982.

The changes to the Bylaws were ratified on June 15, 1984.

The amendments to Article VI were ratified on June 23, 1991.  
The amendment to Article III and changes to the Bylaws were ratified on June 21, 1992.  
The changes to the Bylaws were ratified on June 20, 1993.  
The amendment to Article III and changes to the Bylaws were ratified on June 23, 1996.  
The amendments to Article VI were ratified on June 21, 1998.  
The amendments to Article III were ratified on June 24, 2001.  
The amendments to Article VI were ratified on June 27, 2004.  
The amendments to Article II were ratified on May 8, 2007.  
The amendments to Article III were ratified on June 24, 2009  
The amendments to Article III, IV, and VIII were ratified on August 31, 2014  
The amendments to the Constitution were ratified on June 15, 2017

#### **Article XV -- Chapters**

**Section 1.** The establishment of local chapters of the Society is encouraged in order to assist the parent organization to further the purpose and objectives embodied in Article II.

**Section 2.** Any group of fully accredited members can form a chapter of the Society upon approval of the Executive Board.

**Section 3.** A chair, elected for 1 year, shall head each chapter. Other officers may be elected if the chapter members so desire.

**Section 4.** Chapters shall not make statements of policy. This right is reserved for the parent organization. They shall, however, be empowered to recommend policy to the Executive Board.

## ***BYLAWS OF SOCIETY OF WOOD SCIENCE AND TECHNOLOGY***

### **I. The Official Headquarters of the Society shall be in Wisconsin.**

### **II. Requirements for Professional Membership**

The basic requirement for professional membership is competence in the field of wood science and technology as defined below. An applicant for professional membership should possess a substantial understanding of wood as a material within the following framework:

The biological origin and nature of wood, including macroscopic, microscopic, and submicroscopic anatomy, and relationships between wood and associated micro-organisms; the chemical nature of wood and its components, including cellulose, lignin, and hemicelluloses, and extractive materials; the physical nature of wood, including wood-liquid relationships and the behavior of wood in response to variations in its physical environment; the mechanical nature of wood and its behavior under stress.

General requirements for professional membership are specified in Article III of the Constitution.

Professional members must hold a degree from a qualified institution. Qualified institutions are accredited by a regional U.S. higher education accreditation association. Qualified foreign institutions shall be judged by the membership committee to be of equivalent scope and quality. A degree program, or the equivalent, shall be two years or more in duration.

Specific requirements for membership may be met in the following alternative ways:

#### **A. Qualification for professional membership through formal education.**

1. A Bachelor of Science from a SWST-accredited program is sufficient qualification for professional membership.
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.
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, wood microtechnique, etc.
      - (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, engineering principles of wood processing, etc.
    - (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 II.A.3.a and II.A.3.b.

- (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, industrial administration, including accounting, quality control, and business management.

**B. Qualification for professional membership through substitution for deficiencies in formal courses.**

Graduates of qualified colleges or universities whose formal education does not include all of the areas specified under II.A above 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 II.A.3.
2. In areas of specialization (II.A.3.b.(2)), work experience in a responsible technical position may be substituted for education in the corresponding area.

**C. An applicant also may qualify for professional membership provided both of the following requirements are satisfied:**

1. A degree in a fundamental or other discipline related to the broad field of wood science and technology 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

### **III. 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 in Article II above. Note: Emerging Country Memberships include electronic access to publications only. No hard copies.

### **IV. Requirements for student membership**

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

### **V. Change of membership status**

A. Membership of any classification may be terminated by (1) voluntary resignation or (2) failure to pay dues for the fiscal year.

B. Student membership is automatically terminated upon termination of full-time enrollment in a curriculum.

### **VI. Standing committees**

Committees will be appointed by the Executive Board and are listed in the Committee Handbook.

**VII. Dues**

Dues shall be set yearly by the Executive Board.

Dues shall be payable upon renewal date as furnished from website data system. Individuals who have been dropped because of nonpayment of dues may be reinstated upon payment of current dues.

Student members who qualify for voting membership during the calendar year may advance to the membership grade without additional dues for the remainder of the year. Members of any grade joining the Society during the calendar year will pay full dues for the year in which they join.

**VIII. Chapters**

A. In the formation of a chapter, the membership of the potential chapter shall petition the Executive Board through the executive director. The petition shall state the name, geographic area, and approximate membership of the proposed chapter.

B. Meetings

1. At least two meetings shall be held annually.
2. A report of each meeting, including a resume of the proceedings, shall be forwarded by the chair to the executive director.

C. Student members are expected to participate in the activities of the chapter.

D. The chapters are encouraged to interest the local public and prospective college students in the affairs of the Society of Wood Science and Technology.

E. No dues are to be collected by the chapters.

**IX. Publications**

A. *Wood and Fiber Science* and *BioProducts Business* are recognized as the official publications of the Society.

B. The initial term for the position of editor for *Wood and Fiber Science* and editor of *BioProducts Business* began January 1, 2017 and is a 3-year term. A solicitation goes out to members for the position. A current editor can also submit a request to renew their position. These two editors shall serve Directors of the Society.

C. Responsibility:

1. Ultimate responsibility for operation of *Wood and Fiber Science* and *BioProducts Business* shall be with the Executive Board of the Society.
2. A Committee appointed by the Board will have authority to act upon suggestions from the members regarding changes in content, format, and style of all Society publications.
3. A Committee appointed by the Board will serve in an advisory capacity to the Executive Board concerning questions of editorial and fiscal policy of all Society publications.

D. Digital Communications Coordinator - This position is suitable for a graduate student enrolled in wood-related degree programs, with a special interest in the digital world and communication. The Coordinator is responsible for implementing a communication campaign and disseminating information on the activities of the SWST via social media. The initial term for the position of Digital Communications Coordinator began January 1, 2017 and is a 3-year term. A solicitation goes out to members for the position. A current coordinator can also submit a request to renew their position.

*Revised in 1962, 1964, June and July 1965, 1966, 1967, 1970, 1977, 1982, 1986, 1991, 1993, 1994, 1996, 2001, 2009, 2014, 2017, 2020.*

