

2014 June Business Meeting Minutes
June 25, 2014
Technical University in Zvolen
Aula Building
Zvolen, Slovakia

16:40 – 18:00 Business Meeting

1. Minutes of 2013 Annual Meeting - Published in June 2013 Newsletter

A motion was made, seconded and passed to accept the minutes from the 2013 Annual Meeting.

2. President's Remarks – Sheldon Shi

First of all, on behalf of the SWST board, I would like to thank you all for taking the time to come to this 57th SWST Annual Convention in Zvolen, Slovakia. Again, I would like to take the opportunity to thank Technical University of Zvolen and the University of West Hungary to co-host this conference. We had a quite successful meeting for the past three days with a lot of technical information on different topics in Sustainable Resources and Technology for Forest Products. We also enjoyed the culture, food, beers, and music in Zvolen. I hope that everyone will continue to enjoy the rest two days of the meeting and enjoy the great culture of Eastern Europe.

It has been a great year for the Society of Wood Science and Technology. SWST is financially healthy. Our approach to be an international society continues to be productive, which appears to be a right direction for the Society. Our membership has been pretty stable, with the international membership continuing to grow. As we know, our Society is very unique in academia. Wood is a unique natural polymer material. The utilization of wood should involve the activities of different fields, such as wood science, chemical modification, machining, mechanical and structural performance, and etc. Therefore, we are in a Society of a multidisciplinary area. We have overlaps with polymer societies, such as the Society of Plastic Engineers (SPE) and Bioenvironmental Polymer Society (BEPS); Chemical societies, such as American Chemical Society (ACS); Material and Manufacturing societies, such as SAMPE; societies on Mechanics, such as American Society of Mechanical Engineer (ASME). However, none of the above societies is able to represent the unique nature and function of SWST.

Our society does face challenges, especially on how the SWST responds to the world-wide shrinkage on the Wood Science and Forest Products program. As the questions brought up by Dr. Roger Rowell during our preconference tour in Sopron, everyone thinks the topic on the sustainability is important, and believes it is the national focus. However, why does the wood science education program, which is dealing with the most sustainable materials, continue to shrink? Who is going to teach “Wood Chemistry” in the future?

Our Society is facing challenges - how the SWST positions ourselves to better serve our members, and how our Society is to collaborate with other sister societies, and whether a new branding is needed. SWST board has been actively working on these issues, and will continue to work on them to improve the recognition of the Society, and to better serve the SWST members. Our board has been actively working on the issues of 4 main areas: Education and Accreditation, Membership, Policy and Critical Issues, and Strategic Planning. We have committees to actively work on the four areas.

To me, it has been a great honor having this opportunity to serve the SWST. It is no doubt that the experience of serving the Society is an important component to my professional career. My advice to young scientists, scholars, and students: try your best to volunteer your time to the service of the Society activities as much as you can. It can only help your professional growth and your career.

With that, it concludes my term as the President of SWST!

3. Executive Director's Report – Victoria Herian

Current Paid Members as of 6/3/14

Full members	266
Student members	45
Retired members	38
Emerging Full	35
Emerging Student	<u>11</u>
TOTAL	395

USA members	230
Canada members	40
Mexico members	1
Overseas members	124

Paid Members as of 6/1/13

Full Members	263
Student members	51
Retired members	33
Emerging Full	31
Emerging Student	<u>7</u>
	385

Current Paid Subscribers as of 6/3/14

Subscribers	146
USA	65
Canada	10
Mexico	1
Overseas	70

Paid Subscribers as of 6/1/13

Subscribers	152
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Delinquent Members

Delinquent members as of 6/3/14 for 2014 dues: 73 total – 30 full, 30 student, 1 retired, 10 emerging full, 2 emerging student. (US-34, Canada-8, Foreign-31)

Compared to delinquent members as of 6/1/13 for 2013 dues: 119 total – 68 full, 34 student, 6 retired, 6 emerging full, 5 emerging student. (US-61, Canada-13, Foreign-45)

Delinquent subscribers for 2014 as of 6/3/14: 23 total (USA-6, Canada-1, foreign-16)

Compared to delinquent subscribers for 2013 as of 6/1/13: 26 total (USA-9, foreign-17)

Vanguard Accounts and CD's

The Financial Review Committee (Doug Gardner, Jim Funck, Paul Smith, and Vicki Herian) again looked at the accounts as of June 2014 and decided to proceed with what we have. The current total investments as of 6/3/14 is \$287,867.71. This is a \$10,681.25 increase from February 2014. The savings and annuity balance is \$54,882.41. We renewed the Annuity in April 2104 with Guggenheim for 2 years at 2% interest. A breakdown of investments is:

Vanguard Mid-Cap Index Fund Admiral Shares	\$29,830.17
Vanguard Total International Stock Index Fund Admiral Shares	\$50,490.03
Vanguard Prime Money Market Fund	\$34,344.37
Vanguard Short-Term Bond Index Fund Admiral Shares	\$29,902.22
Vanguard Small-Cap Index Fund Admiral Shares	\$30,035.75
Vanguard Total Bond Market Index Fund Admiral Shares	\$30,490.52
Vanguard Total Stock Market Index Fund Admiral Shares	\$82,774.65

Checking Account

The balance in the checking account as of June 3, 2014 is \$67,951.40. The balance in the wire transfer checking account is 2,802.50.

Student Poster Competition Fund History and Status

Contributors are: APA – The Engineered Wood Association, Asian Woods Company, Balazs Zombori, California Cedar Products, Entwood LLC, FPInnovations - Forintek, Iowa State University, Louisiana State University, Mississippi State University, North Carolina State University, Oregon State University, Pennsylvania State University, State University of New York (SUNY) ESF, Virginia Tech, University of British Columbia, University of Idaho, Washington State University, and Willamette Industries.

2014 International Convention

38 countries, 6 continents, 163 total; SWST: 45 full, 10 student, 9 emerging; NEW: 52 full, 38 student, 9 emerging. Monetary Sponsorship provided by Université Laval, Maney Publishing, and University of Maine. We have 8 students participating in this year's Student Poster Competition.

Brief Program - All Sessions will be Held in Aula Building

Sunday June 22

14:00 to 16:00 Registration and Packet Pickup - Aula Building, Technical University in Zvolen

17:00 to 19:00 Opening Ceremony: Zvolen Castle

Monday, June 23

7:00 Registration and Packet Pickup - Aula Building, Technical University in Zvolen

8:00 to 10:00 Hardwood Research & Utilization

10:20 to 12:00 Solid Wood Manufacturing

12:00 to 13:00 LUNCH - Technical University Dining Hall

13:00 to 14:50 Forest Products Policy, Global Trade, and Value Chain Management

15:10 to 17:00 Sustainable Forest Management

17:15 to 19:00 Forestry and Wood Technology Museum Tour

Tuesday, June 24

8:00 to 12:00 Lignocellulosic Material Science and Wood Quality

12:00 to 13:00 LUNCH - Technical University Dining Hall

13:00 to 14:00 Lignocellulosic Material Science and Wood Quality

14:00 to 15:00 Poster Setup - Entrance Area Technical University

15:00 to 18:00 Poster Session with Cash Bar and Student Poster Competition

Wednesday, June 25

8:00 to 12:00 Wood Panels Composites

12:00 to 13:00 LUNCH - Technical University Dining Hall

13:00 to 16:40 Wood Construction & Structures

16:40 to 18:00 SWST Business Meeting

Thursday, June 26

8:00 to 12:00 Energy, Fuels, Chemicals

12:00 to 13:00 LUNCH - Technical University Dining Hall

13:00 to 17:00 Advanced Wood and Polymer Composites

18:30 to 22:00 Banquet - Reštaurácia Koliba Stráže

Friday, June 27

8:00 to 17:30 Final Day Tour - Banská Štiavnica - UNESCO World Heritage Site and Hronsek Church

2016 Annual Convention

We have two proposals we are reviewing now. A decision will be made soon.

- Jorge Luis Monteiro de Matos, Universidade Federal do Paraná, Curitiba, Brazil
- Dr. Nikolay Skuratov from Moscow State Forest University in Mytishi

Bogor Agriculture University Accreditation

Forest Products Department, Bogor Agricultural University will host an accreditation team September 23-25, 2014. The team consists of Douglas Gardner, Fred Kamke, and Rupert Wimmer.

The Forest Products Department has four divisions: Wood Quality Improvement, Bio-Composites, Wood Design and Engineering, and Wood Chemistry. They have 23 staff in the Department; 8 professors, 9 associate professors, 6 assistant professors. The department has about 250 students currently. They have submitted their self-study report and the visit is set.

Miscellaneous

Constitution and Bylaws Changes – There are numerous changes that were sent to you earlier dealing with the change to allowing 2-year technical college graduates to become members and to allow for 2-year programs to be accredited. We will vote on these changes at the Annual Business Meeting, and then an email ballot will be sent to all members for a final vote, as per regulations in the Constitution.

SWST Brochure is available in English, Slovak, Russian, Spanish, French, and Chinese. It is also in the process of being translated into German. You can find these at

<http://www.swst.org/about/brochures.html>

Beth Smith has completed the redesign of the SWST webpages, as well as has made them useable on mobile devices.

I have prepared a ppt on SWST that members can use when traveling or presenting at meetings, or even for your own institution use. It is on the webpage under “About SWST” and called “What is SWST” and is a downloadable ppsx

We are in process of evaluating options for hosting our content for Wood and Fiber Science, because of the decision by Metapress that we are not profitable enough to continue their services. We are looking at Scholastica, Publishing Technology, and Atypon. A decision has to be made before December 2014 when Metapress will release us.

1. Budget Presentation – Victoria Herian

FISCAL STATUS June 1, 2014

BALANCE SHEET

Total Assets	\$413,504.02
Total Liabilities	\$ 2,580.72
Total Equity	\$410,923.30
Total Equity & Liabilities	\$413,504.02

INCOME STATEMENT

	<u>2014 Budget</u>	<u>Actual 6/1/14</u>
Total Income	\$147,920.00	\$ 160,263.11
Total Expenses	<u>\$134,657.00</u>	<u>\$ 85,412.64</u>
Budget Reserves	\$ 13,263.00	\$ 74,850.47

2. Wood and Fiber Science – Mike Barnes (presented by David Jones)

- Lineup for 46(3): 12 articles, 1 editorial, 1 book review, 134 pages
- Below are the current manuscripts received and status

In review	With author	With Editorial assistant	With publisher	Published Online 46(3)	Sub	Rejec t	%
					(2014 YTD)		
13	8	4	4	11	51	17	33

+ 2 new submissions today

Authorship

50%	4%	19%	4%	4%	15%	4%
US	CA	CN	DE	ID	JP	TR

Average time with:
 Reviewers = 53 d
 Authors = 21 d

Editor/Editorial assistant = 35 d

Publisher = 20 d

Average time between submission and publication = 139 days

• **Publication Report**

Issue	46(3)	46(2)	46(1)	45(4)	45(3)	45(2)	45(1)	44(4)	4 4(3)
Date	Jul	Apr	Jan	Oct	Jul	Apr	Jan	Oct	Jul
Articles	12	16	10	11	8	9	12	12	9
Technical Note		0	0	0	1	2	1	0	1
Professional pages	4	1	9	0	2	5	7	3	2
Total Pages	138	163	135	108	98	98	127	130	100

3. Newsletter – David Jones

The Newsletter has a 58.2% open rate, and a clickable rate of 23.4%. There are 429 people on the list and it is also being sent to the UBC listserv. The last Newsletter was opened by 1192 people, 553 in the United States, 186 in Canada, 72 in China, 36 in Japan, 33 in Finland, plus other countries at various levels.

The Facebook page has 516 members.

4. Committee Reports

a. Education and Accreditation

Past Chair: Robert Rice
Chair: Robert Seavey
Vice Chair: Douglas Gardner
Member: Fred Kamke
Member: Rupert Wimmer
Member: Fang Chen
Member: Travis Allen
Board: Gloria Oporto
Liaison:

Education:

Education Survey was conducted. A summary will be distributed soon. The universities participating were:

Louisiana State University, Southern Illinois University, Iowa State University, Virginia Tech, Bern University of Applied Sciences-Switzerland, University of Minnesota, University of British

Columbia, West Virginia University, University of Kentucky, Laval Universite, University of Idaho, North Carolina State University, University of Maine, Penn State University, Oregon State University, and Mississippi State University

Poster competition - Student travel awards were awarded to participants. Judges evaluated during the poster session.

Accreditation:

Annual accredited program reports were received from all previously accredited programs. Committee is in the process to modify the Accreditation guidelines for those 2 year programs. Bogor Agricultural University Accreditation will take place in September 2014.

Program Reviewed	Initial Accreditation	Most Recent	Expires
Mississippi State University, Mississippi State	1987	2007	2017
North Carolina State University, Raleigh	1984	2005	2015
Oregon State University, Corvallis	1990	2013	2024
Pennsylvania State University, University Park	1992	2003	2013
State University of New York (SUNY), Syracuse	2002	2003	2013
Universidad del Bío-Bío, Concepción, Chile	2009	2009	2019
University of Idaho, Moscow	1996	2005	2015
University of Maine, Orono	1993	2013	2024
University of Minnesota, St. Paul	1985	2007	2017
Virginia Polytechnic Institute and State University, Blacksburg	1985	2005	2015
West Virginia University, Morgantown	1989	2009	2019

Ideas to discuss in the future:

International student exchange
Education series – SWST website

b. Membership

A survey was conducted last month of all members of SWST to find ways to provide more value to members as well as attract new members. The survey asked what do you value and how can we improve. A full analysis of the results will be available soon on the website. Preliminary analysis showed that about 200 members participated in the survey, 65% full, 14% student, 12% emerging country, and 12% retired. 60% were pretty satisfied. Some suggestions on how to provide more value were to provide webinars, regional tours, and regional workshops.

The Committee also is working on the criteria for a Distinguished Educator Award. This would recognize excellence in teaching or outreach. The information will be available online and in an email soon to all members explaining criteria and instructions on how to submit a nomination. The goal is to have the first award at the 2015 Convention.

c. Policy and Critical Issues

The committee membership is:

Chair:	Jerry Winandy	jwinandy@umn.edu
Vice Chair:	Ed Pepke	Ed.Pepke@efi.int
Member:	Andreja Kutnar	andreja.kutnar@upr.si
Member:	Greg Smith	greg.smith@ubc.ca
Member:	Hongmei Gu	hongmeigu@fs.fed.us
Board Liaison:	Stavros Avramidis	stavros.avramidis@ubc.ca

Prior to November 2013, the SWST Policy and Critical Issues Committee was assigned three tasks:

- a. Determine and articulate factors that determine a journal's Impact Factor (IF).
- b. Develop a report positioning Wood & Fiber Science (W&FS) IF vs peer journals (i.e. Wood Science and Tech, Holzforschung, FPJ, etc).
- c. Develop a report positioning W&FS Impact Factor vs non-peer journals in specific areas (i.e. Composites JAPS, ASCE, etc)

With respect to these three charges we reviewed the basic information available on how "impact factor" was determined and found a few facts that might be helpful when considering how to improve the IF of W&FS:

- Impact factor is influenced by the number of citations that journals articles receive divided by number of articles published in that journal per year
- Basic research journals receive more citations than applied journals
- Review articles are cited more often than primary research articles
- Publishing an issue with many articles on a "hot topic" often improves impact factor
- Increasing the number of literature cites in a journals' articles often increases impact factor

- More authors participating in a journals' articles often increases impact factor
- Increasing a journal's circulation often increases impact factor
- Increasing authorship from different countries in articles often increases impact factor

Next, we used that knowledge to develop a few possible ways to increase the IF of W&FS. Also, we assumed that for the immediate term, we needed to understand that the income generated by W&FS is about 40-50% of the annual society income. Thus, solutions such as eliminating or reducing page charges, going to 100% Open Access, or converting to Web-based publication are legitimate issues, but they are not tenable without major revisions to the Financial structure of SWST. We will eventually need to consider these ideas but in the short term we now need to consider more immediate action items to suggest to SWST Exec. Thus, we would like to suggest the following set of short-term ideas for improving the IF of W&FS as more longer-term solutions are developed after the financial aspects of income generated by W&FS page charges are implemented:

I. W&FS could modify instructions to authors so that authors are reminded of relevant facts related to Impact Factor such as 1) More authors on a paper increase IF and 2) more recent literature citations rather than older literature citations increase IF. We can sweeten this suggestion by reminding them that by using such concepts, their published work is more up-to-date and more likely to be referenced by others.

II. Add ONE more paper to each issue and let an Editorial Committee select One paper per Issue to get FREE publication. We could bias the evaluation criteria to get more International authors, More Authors per paper in general, Papers with more up-to-date literature citations, etc. Each relevant item of this "Evaluation Criteria" should be added with the intent of increasing our IF.

III. Have an W&FS Editorial Staff write an annual technical paper to summarize the past volume of W&FS.

IV. We could educate the members of SWST at Annual Meetings and in our "Guidelines to Authors" of what factors affect the IF of W&FS and thereby begin to encourage our members to consider such concepts when developing technical papers intended for submission to W&FS.

V. Give priority in the publication queue to paper(s) having the highest IF potential.

VI. Encouragement our membership to publish "series" papers from the same group of authors, which will tend to increase the IF of W&FS.

We believe that no one idea will, by itself, significantly increase the IF of W&FS, but we think some combination of these concepts/ideas could provide an improvement on the IF for W&FS relative to our competing journals.

Since November 2013, the above three instructions have been transferred to the new Ad-Hoc Wood & Fiber Science committee (T.Connors, Chair) for implementation and the current revised charges to SWST P&CI Committee are now:

- a. Evaluate the general reactions from the new dues and subscription changes, as well as changing to online only unless paying more. This should be evaluated every 2 years.
- b. Committee should work with the Ad Hoc W&FS Committee of Terry Conners (chair), Alain Cloutier, Mike Wolcott, Sheldon Shi and Vicki Herian.

Our plans for 2014 are to initiate a member survey relative to Charge #a in Spring 2014 and will continue to work (as requested) on Charge #b. We would also like to welcome Prof. Andreja Kutnar of the University of Primorska (Slovenia) and Dr. Hongmei GU (US FPL) to the Policy and Critical Issue Committee and thank Profs. David Carradine and Brian Via for their service on P&CI committee these last two years.

d. Strategic Planning

Strategic Plan, short version (T. Conners, J. Winandy, A. Cloutier), 6/14

Overarching Goals:

- Maintain and enhance readership of W&FS
- Improve Impact Factor of W&FS
- Increase professional and public visibility of the Society
- Maintain or improve financial viability of the Society
- All while maintaining our Society's professional goals:
 - Develop and maintain the unique body of knowledge distinctive to the science and technology of wood and other lignocellulosic materials.
 - Encourage the communication and use of this knowledge.
 - Promote policies and procedures which assure the wise and responsible use of wood and other lignocellulosic materials.
 - Assure high standards for professional performance of wood scientists and technologists.
 - Foster educational programs at all levels of wood science, other lignocellulosic materials and their technologies, and further the quality of such programs.
 - Represent the wood science and technology profession in public policy development.

Strategies/possible tactics to accomplish goals:

- Improve international membership numbers
 - Examples:
 - Post notices of SWST meetings in J. Japan Wood Research Society and other international society webpages/journals;
 - Establish regional, continental chapters for periodic meetings;
 - Seek to accredit more international wood science and Bioproducts curricula, etc.

- Continue to seek academic and technical programs to accredit
- Increase international contributors
 - Example:
 - Contact authors from lesser-known international journals and solicit articles
- Increase accessibility of our website to international readers (all readers?)
 - Examples:
 - Go Open Access to some extent if finances make sense;
 - Make papers available in author's native language on SWST website
- Improve professional interaction with other international wood- and biobased materials societies
 - Example:
 - Post notices of other society meetings on our webpage on reciprocal basis
- Reinvigorate an emphasis on the professional responsibilities of Society membership

Comments from Business Meeting:

--Do we need both Strategic Planning and Policy and Critical Issues Committees? Maybe combine together and have an alternative committee

--Some goals:

- Increase membership – especially international membership
- Increase international authors
- Improve website
- Improve professional interaction with other societies
- Reinforce ethical and professional qualities
- Form regional chapters
- Cooperate with other international journals
- Publish in other languages besides English

Comments from members requested.

5. **Old Business** –Sheldon Shi thanked all current board and committee members and asked all members to consider serving

6. **New President's Remarks** – Michael Wolcott

It's with great enthusiasm and humility that I accept the leadership of SWST for the next year. As we set our agenda for the upcoming year, I want to recall our primary mission from the SWST Pledge

“Develop and maintain the unique body of knowledge distinctive to the science and technology of wood and other lignocellulosic materials.”

Today more than ever, we are challenged with a growing diversity of how this knowledge is produced and disseminated. We no longer have a common worldwide model for our academic departments. Where we once all lived professionally in Wood Science departments housed in Forestry Colleges, we now call ourselves: Sustainable Biomaterials, Bioresource Engineering and Management, Materials, Civil, or Mechanical Engineering, or even design disciplines such as Architecture, and Business programs. So without this common model for the academy, how do we move forward around the world towards meeting this core of our pledge?

This very topic was a subject of a discussion that occurred in our convention pretour in Sopron, Hungary. And this very topic is also at the heart of the Society's Board meetings over the last two years. I cannot stand here today and give you the answers. But I can stand here and promise you, that we are not taking our duties lightly and we are not going to move slowly. In fact we are moving the Society forward aggressively while being keenly aware of our responsibilities to remain financially solvent.

I want to highlight a few of our steps over the last two years include...

1. We have critically evaluated our strategic plan to distill it to a single overarching goal.... Build membership by providing value
2. We have restructured our committees to better utilize our leadership and volunteer member time.
3. We are now developing committee charges that directly address the key goals of our Strategic Plan
4. And we have critically evaluated our revenues and expenses to provide the financial abilities to build new programs

As a professional society we are focused on directing our major services to promote this single goal to our membership. Specifically we are aimed at driving the value of our:

1. NEWSLETTER - We have moved to a state of the art electronic format and tripled our readership over the first year and half. We welcome and depend on you for additional material.
2. ANNUAL CONVENTION - we have deemed our experiment with international venues was successful. So now we are focusing back onto our North American meetings. In suspending our long-term tie with FPS, we are altering venues and format. Give us your ideas and efforts.
3. JOURNAL - Wood and Fiber Science - we are committed to drive the impact of the journal. Decreased page charges, changing our electronic platform and aggressively pursuing topical papers from our disciplines thought leaders.
4. ACCREDITATION - We are supporting our international model by extending accreditation to programs around the world. In North America, we are considering a different accreditation model for two year technology programs. And we are beginning discussions around a variety of models to provide accreditation to certificate and graduate programs.

One long-term executive member has said that..... "MORE HAS BEEN ACCOMPLISHED IN THE LAST TWO YEARS THAN IN THE PREVOIUS DECADE."

I implore you to get involved and help us move our profession forward into a truly novel and impactful 21st century.

Mike's first order of business was to present a Past President Plaque to Sheldon Shi and thank him for his year of service as President.

7. *Teller's Report*

New Vice President: Sudipta Dasmohapatra
New Directors: Brian Bond and Kevin Cheung

8. *New Business*

a. *Vote on Constitutional & Bylaws Changes*

The notice of Constitutional & Bylaws Changes was included in the recent election ballot. Per our Constitution, it must be voted on at the Annual Business Meeting, and then sent out for letter ballot.

There are 3 parts

Constitution and Bylaws Changes – To reflect adding 2-year accreditation and 2-year membership, --Move W&FS Editor and NL Editor to Executive Board as well as change from naming a specific committee --Changes from letter to email balloting.

CONSTITUTION OF SOCIETY OF WOOD SCIENCE AND TECHNOLOGY

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

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
- Encourage high standards for professional performance of wood scientists and technologists and act as the professional organization for individuals who meet these standards
- Foster education programs at all levels of wood science, lignocellulosic materials, and their technologies and further the quality of such programs
- Represent the profession in public policy development

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 or professional organizations dedicated to scientific purposes.

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 bachelors degree from an SWST-accredited program; or
- b) hold a bachelors or higher 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.

Article IV -- Dues. Dues shall be assessed annually as prescribed by the bylaws.

Article V -- Officers

Section 1. The governing body shall be an Executive Board consisting of president, president-elect, vice president, secretary-treasurer, past president, four directors, Newsletter Editor, and Wood and Fiber Science Editor.

Section 2. The Executive Board shall manage the affairs of the Society. It 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 3. The Executive Board is empowered to establish such standing committees as needed to conduct the affairs of the Society.

Section 4. The president is authorized to appoint such ad hoc committees as needed.

Section 5. The secretary-treasurer is empowered to collect dues as specified in the bylaws.

Article VI -- Elections

Section 1. Officers of the Society, with the exception of secretary-treasurer, shall be elected annually in accordance with the provisions of the following sections. The secretary-treasurer shall be appointed annually by the executive board.

Section 2. Nominations for officers shall be made by a presidential appointed committee consisting of three members not holding office. At least two members shall be placed in nomination for each office to be filled by the election.

Section 3. Nominations for officers may also be made by petition signed by 10 voting members.

Section 4. Election will be conducted by letter-email ballot sent to all voting members at least 30 days prior to the annual meeting. Balloting will be closed 30 days after ballots are emailed.

Section 5. 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 Executive Board will resolve the tie, by a majority vote. Elected officers shall assume the duties of their office at the close of business of the annual meeting following their election, except as stated in Section 8.

Section 6. The immediate past president shall be a member of the Executive Board without election.

Section 7. The president shall hold office for 1 year and shall not succeed to a second term.

Section 8. The president-elect shall be advanced to president without election. Similarly, the vice-president shall be advanced to president-elect without election.

Section 9. If the presidency is vacated, the duties of the president shall be performed by the president-elect, who will advance to the presidency in the normal manner at the end of the term as president-elect.

Section 10. If the office of president-elect is vacated, the duties of the president-elect shall be performed by the vice-president, who 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. 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.

Section 11. If a vacancy occurs in any other office, the Executive Board shall appoint a successor to complete the term of office.

Section 12. The directors shall be elected for 2-year terms and these terms shall be staggered so that two new directors are elected annually.

Section 13. No member shall hold two elective offices simultaneously.

Article VII – Meetings -- The Society shall meet annually at such time and place as determined by the Executive Board.

Article VIII -- Amendments

Section 1. Proposed amendments to the constitution may be submitted to the Executive Board by petition of at least 10 percent of the voting members or they may be initiated by the Executive Board.

Section 2. The Executive 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 letter-ballot within 30 days after the meeting and shall be adopted if approved by a majority of members voting within 30 days.

Article IX -- Bylaws

Section 1. Such bylaws as are required for the orderly conduct of business may be proposed by any member of the board.

Section 2. Deletions of, or amendments to, existing bylaws may be proposed by any member of the board.

Section 3. Suggestions of bylaw changes made by any voting member shall be considered by the board.

Section 4. Adoption of, or amendments to, bylaws may be ratified by either (1) a majority of members at an annual meeting or of votes cast in a mail ballot, or (2) by a majority of Executive Board members.

Article X -- 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 XI -- 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

Article XII -- 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. An application is required for any level of membership. All applications must be examined and approved by the Membership Committee.

Professional members must hold a Bachelor or higher 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 Bachelor degree program, or the equivalent, shall be four 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. Evidence of the degree must be submitted to the Membership Committee.
2. The Bachelor of Science or an advanced degree (either of which has been earned through specialization) in the field of wood science and technology or forest products obtained from an accredited college or university is sufficient qualification for professional membership. Evidence of the degree must be submitted to the Membership Committee.
3. Specialization in the field of Wood Science and Technology or Forest Products is defined as a course of study that includes the following elements:
 - a. Required background courses (basic sciences) are:
 - (1) A foundation in mathematics
 - (2) Chemistry
 - (3) General physics
 - (4) Biological science.
 - b. Requirements in Wood Science are as follows:
 - (1) A minimum background in Wood Science, including:
 - (a) Biology of wood. Studies of anatomical structure and identification of wood must be included. Additional courses may be in such areas as forest products pathology, 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.
3. The applicant must furnish an official (college) transcript for all coursework to be considered in evaluating the membership application if requested to do so by the Membership Committee.

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

3. A Bachelor or higher degree in a fundamental or other discipline related to the broad field of wood science and technology (as judged appropriate by the Membership Committee) awarded by a qualified college or university,
4. At least two years of employment related to the wood industry, or in the field of wood science and technology, in a responsible technical position as judged by the Membership Committee.

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 on the first day of January. Members in arrears on the first day of March shall forfeit membership. 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. Executive Director

An executive director may be appointed at the discretion of the Executive Board. The executive director shall serve for a length of time and at a salary to be determined by the Executive Board.

The executive director shall be responsible for maintaining the business office at the Society headquarters.

The executive director shall be the registered agent for the Society as described in Section 181.08 of the Wisconsin Nonstock Corporation Law relating to Domestic Nonstock Corporations (1959).

The executive director is authorized to receive funds and sign checks for the expenditure of Society funds as directed by the elected officers of the Society.

IX. 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.
 5. 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.

X. Publication

A. *Wood and Fiber Science* is recognized as the official publication of the Society.

B. The Executive Board of the Society shall designate a member of the Society as editor.

C. Responsibility:

1. Ultimate responsibility for operation of *Wood and Fiber Science* shall be with the Executive Board of the Society.
2. ~~The Publication Policy~~ 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. ~~The Publication Policy Committee~~ 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.

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

A motion was made, seconded and passed to accept all changes in the Constitution and Bylaws. Now it will be sent out by email for voting.

- b. **Dr. Marian Babiak asked for a vote** of attendees to send a letter to two distinguished professors who couldn't be at the meeting. A motion was made, seconded and passed. Dr. Babiak will send.

c. 2015 Convention



SWST 2015 Annual Convention

Renewable Materials and the Bio-Economy

June 7-12, 2015
Jackson Lake Lodge, Grand Teton National Park,
Jackson, Wyoming

Our Convention begins June 7 with an Evening Welcome Reception and Opening Ceremony. The remainder of the week consists of morning and afternoon technical sessions with planned "outdoor activity breaks" so you can enjoy the incredible surroundings of Teton National Park. Activities available include: kayaking, hiking, a bus tour to Yellowstone National Park and Old Faithful, wildlife viewing, horseback riding, scenic bus tours, rafting, golf, tennis, or perhaps a tour of forest management areas. The Convention concludes with a Closing Ceremony and Banquet.

New Additions:

1. One full day dedicated to the future of SWST, our Students. You can present your research, participate in a mini-workshop, and participate in the Student Poster Competition.
2. One full day (June 12) dedicated to related organizations in our "Parallel Organization Day." You have the opportunity to attend the SWST Convention AND host a business meeting or technical session for another organization. The IUFRO 5.10.00 Forest Products Marketing and Business Management Research Group has already reserved a room for their parallel session.

Potential Session Themes:

- Bamboo and other a gri-fibers
- Cross-laminated timber
- Designing for durability
- Timber legality/tracking
- Nano cellulose
- Extension/outreach
- Bio-based products
- Life-cycle assessment
- Wood modification
- Optical measurement techniques
- Biomass for energy
- Marketing and business management
- Timber mechanics/engineering
- Multiscale/Multimodal Modeling and Experiments

The room rate will be \$179 for single or double, with 8% tax. All rooms include complimentary internet access.

Jackson Lake Lodge promotes a Sustainable Stay. No bottled water is sold at Jackson Lake Lodge, so it is recommended that you bring reusable bottles.

Convention Webpage:
www.swst.org/meetings/AM15/

The 2015 Convention will be held at Jackson Lake Lodge in the Grand Tetons National Park in Wyoming on June 7-12, 2015.

Room description	Single Rate	Double Rate
Non-view Cottage Room	\$179	\$179
Non-view Patio Cottage Room	\$199	\$199
Mountain view Cottage Room	\$325	\$325
Non-view Main Lodge Room	\$179	\$179
Lodge View Room	\$325	\$325

The above rates are based on standard occupancy per bedroom. For each additional person over standard occupancy per bedroom, a charge of \$10 per adult (12 years and older) per night; plus tax, will be added to the room rate.

Rates include complimentary wireless internet in all guest rooms.

Reservations

Phone: 01-800-628-9988

Mention "Society of Wood Science and Technology" to guarantee the group rate.

Deposit required: Jackson Lake Lodge will require a deposit equal to the room rate and tax for 2 nights for each reservation. Deposit is refundable if at least 7 days' notice prior to arrival is given. There is, however, a \$30 cancellation fee due to the demand of this property during the short summer season.

Check in: After 4:00 p.m. on arrival day

Check-out: Before 11:00 a.m. on departure day

For early arrival or late departure, inquire at Front Desk or when making reservations. Luggage storage is available.

The Lodge is offering a "Sustainable Stay Pledge"

If guests sign the following *Sustainability Stay Pledge* when checking in, they will receive a sustainable stay water bottle, sticker, and reusable bag.

I HEREBY PLEDGE TO:

1. Turn the lights off, heat down, and unplug my chargers before leaving my room.
2. Take advantage of the water filling stations throughout the Park.
(additional water bottles are available in our gift shop)
3. Carry purchases in a reusable bag. (Grand Teton souvenir bags also available in our gift shop)
4. Use the Grand Teton and Yellowstone Park Shuttle and Jackson buses. Free passes for the Grand Teton Shuttle are available at the Activities Desk in the Lobby.
5. Practice "Leave No Trace" principles while enjoying the Park:
 - Travel and camp on durable surfaces.
 - Dispose of waste properly.
 - Leave what you find. (rocks, plants etc.)

- Minimize campfire impacts.
- Respect wildlife.
- 6. Say "yes" to the National Park Foundation donation at checkout. (\$1.00) (used for Park preservation projects)
- 7. Select the paperless option for all Grand Teton Lodge Company communications

<http://swst.org/meetings/AM15/index.html>

The Convention will begin on June 7 with an Evening Welcome Reception and Opening Ceremony. The rest of the week will include morning and afternoon technical sessions interspersed with "outdoor activity breaks."

The 2015 Convention introduces two format changes:

9. **Student Day:** We will have a full day dedicated to Students. This will offer the opportunity to focus on our students – our future. They can present their research, perhaps hold a mini-workshop, and participate in the Student Poster Competition. Scheduled for Wednesday, June 10, from 15:00 to 18:00.
10. **Parallel Organization Day:** We will have a day coined "Parallel Organization Day" on June 12. The idea is to offer members of other organizations to attend our SWST Convention, but also have the flexibility to host their own organizational business meeting or technical session. It will give people who are not part of particular organizations to participate and find out more about them. For example, the IUFRO 5.10.00 Forest Products Marketing and Business Management Research Group is planning an all-day session on June 12. A mailing went out to all members informing them of this opportunity.
11. With the convention being held in a National Park, the chance to enjoy some of the beautiful surroundings can't be overlooked. The convention will not have an official "industry tour" day, but will include two half-day sessions during the week to enjoy what the Grand Tetons have to offer.

Potential activities include:

- kayaking
- hiking
- bus tour to Yellowstone National Park and Old Faithful
- wildlife viewing
- horseback riding
- scenic bus tours
- rafting
- golf
- tennis
- a tour of forest management areas or similar activity

Potential Sessions:

- Bamboo and other agri-fibers
- Life-cycle assessment
- Cross-laminated timber

- Wood modification
- Designing for durability
- Optical Measurement Techniques
- Timber legality/tracking
- Biomass for energy
- Nano cellulose
- Marketing and business management
- Replacement of petrochemical-based products with bio-based products
- Extension/outreach
- Timber mechanics/engineering
- Multiscale/Multimodal Modeling and Experiments
- Poster Session

Due November 15, 2014 – Call for Abstracts, Student Poster Competition Applications, Emerging Country Grants. March 1, 2015 is the deadline for early bird registration, April 15 for papers and presentations, and April 23 is the deadline for Hotel reservations.

The Banquet will be Thursday, June 11, 2015 at the Jackson Lake Lodge Pool for a Barbeque. Enjoy a truly "Western Experience" with an outdoor BBQ poolside, complete with BBQ brisket, chicken, ribs, hamburgers, and vegiburgers, in addition to a complete salad bar including watermelon and dessert. Live music performed nightly by a local artist. Banquet tickets are included in the cost of registration, but additional tickets can be purchased.

d. Presentation of Awards

Student Poster Competition Award – Judges were Douglas Gardner, Roman Reh, Gloria Oporto, and Terry Conners. We had 7 students participating:

Melanie Blumentritt, University of Maine, USA - Life Cycle Assessment of Exported Torrefied Wood Pellets (TOP) from Maine to the European Union

Bryan Dick, North Carolina State University, USA - Changes in the Anatomy of Exposed Roots of Some Hardwood Species

Charles Edmunds, North Carolina State University, USA - Thermo-mechanical Properties of Genetically Modified *Populus trichocarpa*

Alexandra Himsel, Kompetenzzentrum Holz GmbH, Austria - Rheometer Method to Determine Factors Influencing Sticking Behaviour of Aminoplastic Resins

Chloé Maury, Université du Québec à Trois-Rivières, Canada - Study of Mechanical Properties of Composites Based on TEMPO-oxidized Cellulose Gel and Silica Nanoparticles

Zachary Miller, North Carolina State University, USA - Comparing Mechanical and Chemical Properties of Young Transgenic Black Cottonwood Trees Modified for Reduction of Specific Genes in Lignin Biosynthesis

Jimmy Thomas, The Rubber Board and University of Canterbury, New Zealand - Novel Imaging and 3D rendering Techniques to Visualize Spiral Grain in *Pinus radiata*

Winners were:

First Place – Tie between Bryan Dick and Charles Edmunds

Third Place – Melanie Blumentritt

George Marra Excellence in Writing

Committee:

Kevin Cheung (WWPA)

Eric McConnell (Ohio State Univ.)

Martin Claude Nguemo Yemele (Dept. of Nat. Resources, Quebec)

Brian Via (Auburn Univ)

Mike Barnes (ex officio)

First Place

Prediction of wood quality in small-diameter Douglas-fir using site and stand characteristics, Morrow, C. D., T. M. Gorman, J. W. Evans, D. E. Kretschmann, and C. A. Hatfield, 45/1

Second Place

Acoustic sorting models for improved log segregation, Wang, Xiping, Steve Verrill, Eini Lowell, Robert J. Ross, and Vicki L. Herian, 45/4

Honorable Mentions

State of the Art Paper - Biomimetics: Adapting performance and function of natural materials for biobased composites, Rennekar, Scott, 45/1

A rapid method to assess viscoelastic and mechanosorptive creep in wood, Kaboorani, Alireza, Pierre Blanchet, and Aziz Laghdir, 45/4

2014 Fellow Award



Jerrold E. Winandy

Principal, Winandy & Associates LLC
 19872 Austin St. NE,
 East Bethel, MN 55011-4797 USA
 ph: 01-763-434-9365
jwinandy@umn.edu

Education

PhD, Wood Science & Engineering,
 Oregon State University, Corvallis, OR USA
 MS & BS, Wood Util.,
 Purdue University, W. Lafayette, IN USA

Professional Experience

2008-2014 Principal, Winandy & Assoc.
 East Bethel, MN 55011 USA
 2008-2009 Interim Executive Vice President,
 Forest Products Society
 2008-2001 Project Leader, Engineered Wood
 Composites, USDA Forest Products
 Laboratory, Madison WI. USA
 1979-2001 Research Wood Scientist, USDA
 Forest Products Lab, Madison WI. USA
 1998-present Adjunct Professor of Wood
 Science & Engineering, Dept. of BioProducts,
 University of Minnesota, St. Paul MN USA
 2004-2013 Adjunct Professor of Wood Science,
 College of Forest Resources, Mississippi State
 University, Starkville, MS.
 1978-1979 Forest Products Technologist, U.S.
 National Furniture Center, Wash, DC

Honors / Awards

- President of the Society of Wood Science and Technology (2008-2009)
- Elected as a Fellow, International Academy of Wood Science (July 2004)
- Forest Products Society (FPS). 2002 L. J. Markwardt Engineering Research Award:
 Winandy, J. E., Lebow, P. K., 2001. Wood and Fiber Science 33(2):239-254.
- Forest Products Society (FPS). 2000 L. J. Markwardt Engineering Research:
 Lebow, P. K., J. E. Winandy. 1999. Wood and Fiber Science 31(1):49-61.
- American Wood Preservers' Association "Award of Merit" for lifetime service to Association and for technological advancements in National Standards for durable engineered wood materials (April 2006).
- USDA Superior Service Award (June 92). Team award for fundamental research defining the interaction between wood properties and fire-retardant treated wood exposed at elevated temperatures.
- Society of Wood Science and Technology 1994 George C. Marra Award (2nd-Place)

Research Interests

His personal research have primarily dealt with the modeling the effects of chemical-I, thermal-, and biological-agents on the chemistry and engineering properties of wood and engineered wood composites. He served as Chair of several subcommittees in the American Society for Testing and Materials (ASTM) and the American Wood Protection Association (AWPA). He was General Chair of AWPA Technical Committees from 1999-2002. From 2004-2012 he served as an executive liaison to the Executive Committee of Division D5 Forest Products of the International Union of Forest Research Organizations (IUFRO). His current work entails service-life modeling and forensic investigation and engineering of problematic wood structures and faulty building construction and design.

Number of Publications

Publication	Quantity
Journal	+175
Patents	2
Book	1

2014 Fellow Award



Barry Goodell, Professor, PhD
Department of Sustainable Biomaterials
Virginia Polytechnic Institute and State University – Virginia Tech
216 ICTAS II Building (0917), 1075 Life Sciences Circle.
Blacksburg, Virginia, USA 24061
ph 01- 540-231-8853 goodell@vt.edu

EDUCATION

Ph.D. 1983, Wood Science. Wood Science and Engineering Dept., Oregon State University.
M.S. – 1980: Wood Science. Wood Science and Engineering Dept., Oregon State University.
B.S. – 1976: University of New Hampshire.

PROFESSIONAL WORK EXPERIENCE

2010-present	Professor, Virginia Tech. USA
2010-2012	Department Head, Department of Sustainable Materials. Virginia Tech, USA
1983-2010	Assistant-, Associate-, Full-Professor, Univ. Maine. USA
1983	Associé de Recherche Post-Doctorant. Faculté de Foresterie et de Géomatique. Université Laval, Canada.

HONORS AND AWARDS

–2012: **Elected Fellow** – International Academy of Wood Science
–**Board of Directors** (Executive Board member) for both the Forest Products Society, and the Society of Wood Science and Technology
–2011-present: **International Advisory Board**. Journal of Wood Science
–2011-2012: **President** Forest Products Society
–2007: **Outstanding Alumnus** Award – College of Forestry, Oregon State University
–2006: **Gottschalk Award** - Forest Products Society.
–2004-05: **Outstanding Researcher Award**. College NSFA. Univ. Maine
– 1994: Co-Chair, 48th Annual Forest Products Society. **Recognition Award**

–1990-1991: “**Outstanding Leadership**” Recognition Award. Forest Products Research Society.

–1987-1988: **Distinguished Forest Resources Professor - Teaching Award** selected by students. Univ. Maine.

PROFESSIONAL ACTIVITIES

- Service on seven review panels for NSF (International Programs; Materials Processing and Manufacturing, Engineering Directorate), USDA-NRI, NSERC, & SBIR.
- Selected author for five entries in separate materials science encyclopedias.
- 2010-2012: Lead changes at Virginia Tech to rename to the Department of Sustainable Biomaterials, and the development of two New Degrees to boost enrollments.
- 2007-2011: Scientific Coordinator, Hatch-Multistate Research Programs NE506 and NE1521.
- 2007-2010: National Coordinator, Wood Utilization Research (WUR) Centers.
- 2000-2012: Cooperating Professor, Microbial Ecology and Environmental Microbiology (MEEM). Univ. Maine.
- 1999-2010: Cooperating Professor, Forest Operations Science Program. Univ. Maine.
- 1998: TAPPI. Co-Chair of TAPPI Biotechnology in the Pulp and Paper Industry Symposium sessions.
- 1996-2012: Cooperating Professor, Chemical Engineering Department, Pulp and Paper. Univ. Maine.
- 1995: One of four founding faculty members of the AEWC – Advanced Structures and Composites Center. Univ. Maine.
- 1993-1994, 2006-2010: Project Director, Wood Utilization Research (WUR) Center. Univ. Maine.
- 1992-1994: Review team member for CSREES and SAF/SWST Wood Science programs for: Virginia Tech (1994), and Clemson University (1992).
- 1991-1994: National Planning Committee (NPC) on Forest Products Research (USDA Forest Service). Northeast Region Representative, 91-94. National Co-Chair, 93.
- 1991-1993: Director, Wood Sciences and Engineering Institute, Univ. Maine.
- 1991-1995: Project Leader: NSF/EPSCoR Wood Sciences and Engineering Research Cluster at Univ. Maine
- 1990-1996: Head, Forest Products Laboratory, Univ. Maine
- 1990-1991: FPS Northeast Regional Board. Chair, Northeast Section.

INTERNATIONAL ACTIVITIES:

- Invited Keynote speaker at conferences on 4 continents, with other international conferences yearly.
- Sabbatical research in Japan, Sweden, Germany, Chile

RESEARCH INTERESTS

Bioconversion of Lignocellulose. Biobased, & Hybrid Composites. Nanomaterials. Fungal Degradation Mechanisms. Wood Products. Wood Nanostructure. New Biomaterials & Platform Chemicals from Woody Biomass.

PUBLICATIONS, PRESENTATIONS

- Over 100 refereed publications in journals including: *Science*, *Appl. & Env. Microbiol.*, *J. Nanoscience and Nanotech.*, and *Wood and Fiber Science*. Full publication list: <http://scholar.google.com/citations?user=BD1FWWIAAAAJ&hl=en>
- First author on four patents

2014 Distinguished Service Award



Victoria L. Herian
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Society of Wood Science and Technology
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EDUCATION

Associate of Science, Madison Area Technical College,
December 1994

PROFESSIONAL WORK EXPERIENCE

1984-present Executive Director, SWST
1977-1984 Assistant to Executive
Director, SWST
2011 Retired from Forest
Products Laboratory (FPL)
1994-2011 Statistician, FPL
1981-1994 Statistical Assistant, FPL
1975-1981 Project Secretary, FPL
1971-1975 Various Clerk Typist jobs in Neu
Ulm, Germany; Fort Jackson,
SC; and CUNA Mutual
Insurance, Madison, WI

HONORS AND AWARDS

Mother of two great children: Thomas and Allison
National Honor Society
Editor of high school newspaper
Cub Scout Leader – 1992-1994
High School Soccer mom and organizer of many
events: 2001-2007
Elementary School Catechism Teacher
First Aid Team – Forest Products Laboratory
2014 2nd place George Marra Award

PROFESSIONAL ACTIVITIES

- Society of Wood Science and Technology
Executive Director
- Forest Products Society – Member; Chair of Youth
Program, 2002, Madison, WI

- 2013 SWST Pre-Accreditation Visit to Bogor
Agricultural University

INTERESTS

- Running/Walking
- Biking
- Hiking
- Reading
- Card making and Stampbooking
- Learning foreign languages – French, Spanish,
Chinese, some Slovakian

PUBLICATIONS, PRESENTATIONS, CONFERENCES

- Attends and presents about SWST at numerous
meetings worldwide
- Co-editor of 2008, 2010, 2012, and 2014 SWST
Convention Proceedings
- Publications:
 - ❖ Verrill, Steve P.; Kretschmann, David E.;
Herian, Victoria L.; Wiemann, Michael;
Alden, Harry A. 2010. Concerns about a
variance approach to the X-ray diffractometric
estimation of microfibril angle in wood.
 - ❖ Falk, Robert; Maul, Derek; Cramer, Steven;
Evans, James; Herian, Victoria.
2008. Engineering properties of douglas-fir
lumber reclaimed from deconstructed
buildings.
 - ❖ Verrill, Steve P.; Kretschmann, David E.;
Herian, Victoria L. 2006. JMFA2—a
graphically interactive Java program that fits
microfibril angle X-ray diffraction data.
 - ❖ Verrill, Steve P.; Herian, Victoria L.; Spelter,
Henry N. 2004. Estimating the board foot to
cubic foot ratio.
 - ❖ Verrill, Steve; Herian, Victoria L.; Green,
David W. 2002. Predictor sort sampling and
one-sided confidence bounds on quantiles.
 - ❖ Verrill, Steve P.; Kretschmann, David E.;
Herian, Victoria L.; Wiemann, Michael C.;
Alden, Harry A. 2011. Concerns about a
variance approach to X-ray diffractometric
estimation of microfibril angle in wood.
 - ❖ Zhu, J.Y.; Verrill, Steve P.; Liu, Hao; Herian,
Victoria L.; Pan, Xuejun; Rockwood, Donald
L. 2011. On polydispersity of plant biomass
recalcitrance and its effects on pretreatment
optimization for sugar production.
 - ❖ Evans, James W.; Kretschmann, David E.;
Herian, Victoria L.; Green, David W.
2001. Procedures for developing allowable
properties for a single species under ASTM
D1990 and computer programs useful for the
calculations.

2014 Distinguished Service Award



Douglas J. Gardner
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University of Maine
School of Forest Resources
Advanced Structures and Composite Center
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EDUCATION

Ph.D., 1985, Wood Science and Technology (Chemistry)
Mississippi State University
Certificate of Advanced Study, 1981, Pulp and Paper
Management, University of Maine
B.S., 1980, Forestry (Wood Science Curriculum)
University of Maine

PROFESSIONAL WORK EXPERIENCE

2001-present	Professor, University of Maine
1998-2001	Associate Professor, University of Maine
1997-1998	Interim Director, Institute of Research, Michigan Technological University
1995-1998	Associate Professor, Michigan Tech Univ.
1994	Associate Professor, West Virginia Univ.
1988-1994	Assistant Professor, West Virginia Univ.
1986-1988	Post Doc Research Assoc, Auburn Univ.
1981-1985	Graduate Research Assistant, Mississippi State University
1980-1981 Summers	Research Technician, University of Maine Lab Technician/Maintenance, Marcal
1977-1979	Paper Company

HONORS AND AWARDS

- Outstanding Graduate Student, 1983-1984, Mississippi State University, Department of Wood Science and Technology
- University of Maine Pulp and Paper Foundation Scholarship
- Alpha Gamma Rho Fraternity Scholarship
- Forest Products Research Society Award, University of Maine
- Department of Forest Products Outstanding Senior-1980

- Senior Skulls-Highest Non-Academic Honor Society at U Maine
- Xi Sigma Pi
- Sigma Xi
- 1992 Cahn Award
- 1993, 1994, 2000, 2013 SWST Visiting Scientist
- 1997 Who's Who in Science and Engineering
- Honorary member of Union of Wood Processing Manufacturers of the Slovak Republic, 2000
- 2005 and 2012 University of Maine, G. Peirce and Florence Pitts Weber Outstanding Researcher in Forest Resources
- 2007 Director's Award AEWC Outstanding Faculty
- 2007-2008 Strathmore's Who's Who
- 2008 Forest Products Society L. J. Markwardt Engineering Award Co-Recipient
- 2009 Best in Track Technical Paper Award in Green composites at American Composites Manufacturers Association Composites & Polycon Meeting
- 2010 2nd place, 2012 3rd place, and 2013 Honorable mention George Marra Award of Excellence in Writing, Wood and Fiber Science Research Papers

PROFESSIONAL ACTIVITIES

- American Chemical Society
- Society of Wood Science and Technology
 - Fellow Award 2012
 - Past President 2006-2007
 - Newsletter Editor
 - Served on numerous committees and Chair of Committees
- Forest Products Society
- Society of Plastic Engineers
- University of Maine Pulp and Paper Foundation
- Panel Review Member 1990, 2000 USDA Competitive Grants Program - Wood Utilization
- Miscellaneous Wood Science Consulting Work
- 1993 Faculty Development Tour to Austria/Slovakia
- 1994 Faculty Exchange, The Technical University, Zvolen, Slovakia
- 1994 SWST Accreditation Team, North Carolina State University
- 1996 Faculty Visit, The Technical University, Zvolen, Slovakia
- 2005 SWST Accreditation Team, Virginia Tech
- 2013 SWST Visit to Bogor Agricultural University

RESEARCH INTERESTS

Wood/paper Surface Chemistry, Wood-Polymer Composites, Analytical Chemistry, Cellulose Nanocomposites, Extrusion, Wood Adhesion

PUBLICATIONS, PRESENTATIONS, CONFERENCES

Attends and presents at numerous meetings worldwide; over 170 publications; 5 patents

Douglas J. Gardner – Presentation “Wood Scientist Career Reflections:A Journeyman’s Perspective”

A motion was made, seconded and passed to adjourn the Annual Business Meeting at 18:00.

Respectfully submitted,

A handwritten signature in cursive script that reads "Victoria L. Herian". The signature is written in black ink on a light-colored background.

Victoria L. Herian
Executive Director, SWST