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Letter from Director:

Center Members and Friends:

This year marks the 35th anniversary as an independent department in the College of Natural Resources and Environment that focuses on the efficient management and utilization of our natural resources. Established in 1979 as the Department of Wood Science and Forest Products with 4 faculty, our department has grown to 16 faculty and over 130 undergraduate and graduate students. In 2012 we changed our name to the Department of Sustainable Biomaterials to better reflect our faculty’s expertise and to broaden our appeal to a changing student population. In the past 35 years, the Commonwealth has moved from primarily a rural population to an ever expanding urban population. It is estimated that over 75% of our citizens and students now live in urban areas. Historically, a large portion of our departments’ students came from rural areas where they were regularly exposed to our natural resources and the importance of the forest products industry to Virginia. This is not necessarily true with today’s incoming students. We know that the forest products industry is the leader in the sustainable management of our natural resources. Our new name is meant to reflect that to our incoming students, and attract them to the great careers that this industry holds for them.

2014 also marks the establishment of two separate degree programs in the department. The Sustainable Biomaterials degree (which reflects our past Wood Science option) remains to focus on teaching the fundamentals of the processing, manufacturing, drying and marketing of wood and other biomaterials. These includes lumber manufacturing, secondary processing, wood based composites and other natural resource based chemical industries, wood engineering, domestic and international marketing of forest products and business management as it applies to our forest products industry. The second degree is in Packaging Systems and Design. Packaging and pallets remain the largest use of wood fiber in the country and this program is one of only six offered in the U.S. This program emphasizes the importance the sustainable use of packaging materials, how packaging can enhance product performance and markets, and how new uses of wood fiber can be used to replace petroleum based plastics. Our undergraduate program currently has over 90 students, with 15-20 graduating each spring. Nearly all students find jobs in manufacturing, quality control, research, marketing or sales.

Your center has had a good year. Our faculty accomplishments are listed later in this report. The Center is in its 22nd year thanks to your continued support. We awarded over $20,000 of scholarships in the fall of 2013 and will award nearly that amount again in fall of 2014. We remain one of the largest forest products program in the United States. We have updated our website to provide more information, so please visit us at http://www.cfpb.vt.edu. I thank you for your continued support of our center. If there is anything I can do, please feel free to contact me at 540-231-7679 or rsmith4@vt.edu.

Bob Smith

“20 years from now you will be disappointed by the things you didn’t do than by the one’s you did. So throw off the bowlines. Sail away from the safe harbor. Catch the trade winds in your sails. Explore. Dream. Discover.”

-Mark Twain
Participating Faculty/Staff

Smith, Robert  Director, Department Head and Professor  (rsmith4@vt.edu)

Buehlmann, Urs  Associate Professor, Sustainable Biomaterials (buehlmann@gmail.com)

Bush, Robert  Professor, Sustainable Biomaterials  (rbush@vt.edu)

Jeremy Withers  Communications Manager and Grad. Student (jbuilditbigger@gmail.com)

Hammett, A.L. (Tom)  Professor, Sustainable Biomaterials  (himal@vt.edu)

Kline, Earl  Professor, Sustainable Biomaterials  (kline@vt.edu)

Quesada, Henry  Assistant Director and Assistant Professor  (quesada@vt.edu)

Riegel, Angela  Program Specialist, Sustainable Biomaterials  (ariegel@vt.edu)

Mission

To assist the forest products industry by improving the management of their operations and the marketing of their products.

Significant Accomplishments

Distributed 2 Center Focus newsletters

Students Active in the Center

Adrienn Andersch, Department of Sustainable Biomaterials

Edgar Arias, Department of Sustainable Biomaterials

Melissa Brenes, Department of Sustainable Biomaterials

Sevtap Erdogan, Department of Sustainable Biomaterials

Courtney Kepley  Department of Sustainable Biomaterials

Tyler Matusevich, Department of Sustainable Biomaterials

Stephanie Smith, Department of Sustainable Biomaterials

Jeremy Withers, Department of Sustainable Biomaterials
Proposals Funded

Agricultural Energy Efficiency
Investigator(s): PI Walker, Martha A., CO-PIs: Ignosh, John P., Latimer, Joyce G., Mariger, Stanley C., Quesada Pineda, Henry J., Reed, Thomas D., Jerrell, Scottie L., Fannon, Amy G., Clarke, C T., Blevins, Philip K., Barts, Stephen G., Jessee, Denny S., and Martel, Cyn
Sponsor: Virginia Tobacco Indemnification & Community Revitalization Commission
Amount: $314,886

Analysis and Impact of Energy Recommendations in the Wood Products Industry
Investigator(s): Brian Bond and Henry Quesada-Pineda
Sponsor: USDA, Forest Service, Northern Research Station
Amount: 20,000
August 1, 2013 - July 31, 2016

Analysis of Factors Impacting the International Value Chain of Hardwood Products: A Comparison between Asia and Western Europe
Investigator(s): Quesada-Pineda, H.J. and Smith, R
Sponsor: USDA/FSMIP
Amount: $150,300 with $75,150 from USDA/FSMIP
September 1, 2011 - August 31, 2013

Development of Engineering and Manufacturing Guidelines for Improved Cross-Laminated Timber Buildings"
Investigator(s): Kline
Sponsor: McIntire-Stennis, USDA CSREES
Program support funding for 2013-2018

Development of low-grade hardwood cross-laminated timbers
Investigator(s): Hindman, D. P., J. R. Loferski, B. Bond, D. E. Kline, and H. Quesada
Sponsor: USDA, NIFA Integrated Forest Products Special Grant
Amount: $300,616
September 1, 2012 - August 31, 2015

Development of Low-Grade Hardwood Cross-Laminated Timbers
Investigator(s): Hindman, D., Loferski, J., Kline, E., Bond, B., and Quesada-Pineda, H.J
Sponsor: Forest Products Research Program at USDA
Amount: $300,316
October 1, 2012 - September 30, 2015
Donation of CAM Sample Cutting Table  
Investigator(s): Robert Bush and Robert Mollenhauer  
Sponsor: Gerber Technologies  
Amount: $55,000 estimated value  
August 17, 2012 - August 1, 2017

Health & Prevention Influencer Research  
Investigator(s): D. Espinoza, Urs Buehlmann  
Sponsor: Robert Bosch Corporation  
Amount: $18,743  
13 – 14 years time frame

Industry Directory for the VA Forest Products Industry  
Investigator(s): Quesada-Pineda, H.J., and Smith, R  
Sponsor: Virginia Department of Forestry (VDOF)  
Amount: $85,336 ($42,688 from VDOF)  
February 1, 2013 - July 31, 2014

Research Experiences for Teachers: Innovation-based Manufacturing  
Investigator(s): Williams, C. (PI), Brand, B., Hendricks, R., Subhash, S., Sturges, R., Quesada-Pineda, H.J., Camelio, J., Ellis, K., and Druschitz, A  
Sponsor: National Science Foundation  
Amount: $450,000  
December 1, 2012 - November 30, 2016

U.S.-India Joint Clean Energy Research and Development Center (JCEERDC). Project 2, subtask 3: Sustainability and Marketing  
Investigator(s): Alavalapati, J., Quesada-Pineda, H.J., and Smith, R  
Sponsor: Department of Energy (DOE)  
Amount: $971,496 with $485,748 from the DOE  
October 17, 2012 - October 1, 2017

Use of Southern Yellow Pine as an alternative Material for the Manufacture of Cross-Laminated Timber Panels for Commercial Construction  
Investigator(s): Daniel Hindman, Earl Kline  
Sponsor: Southern Virginia Higher Education Center  
Amount: $342,188  
October 1, 2012 - April 30, 2014

Support for the Wood Enterprise Institute  
Investigator(s): Kline / Buehlman  
Sponsor: Various sponsors and donors  
Amount: 2013, $45,500
Refereed Journal Publications


**Trade Journal Publications**


**Other Publications**


**Graduate Theses/Dissertations**


Presentations


Smith, B. Invited speaker at the Michigan Biomaterials Conference held from October 3-6, 2013 in Traverse City, Michigan.

Smith B. Invited speaker at the Southern Group of State Foresters Utilization and Marketing Committee meeting October 15-16, 2014 in Louisville, Kty.

Smith B. Invited speaker at the Virginia Forestry Association annual meeting on April 3-5 in Williamsbrug, VA.

Smith B. Presentations at the Society of Wood Science and Technology meeting held in Zvolen, Slovakia on June 22-28.

Smith B. Invited lecturer at the University of Applied Sciences in Salzburg, Austria. November 16-22.


**Short Course & Continuing Education**

Financial Management for Forest Products Businesses.
Instructor: Quesada-Pineda, H.J. (presenter/organizer).
Location: Four Points Sheraton Hotel. Richmond, VA.

Financial Management for Sugar Cane Farmers.
Instructor: Quesada-Pineda, H.J. (presenter).
Location: Orange Walk, Belize.

Fourth Innovation-based Manufacturing workshop.
Instructor: Quesada-Pineda, H.J. (co-organizer), Camelio, J. (co-organizer), Reynolds, E., Brooke, R., and Schlaepfer, C.
Location: The Inn at VT. Blacksburg, VA.

National Hardwood Lumber Association (NHLA) Grading short course.
Instructor: Richards, B. and Quesada-Pineda, H.J. (translator).
Location: Culpeper, VA.

Statistical Process Control for Sawmills.
Instructor: Quesada-Pineda, H.J. (presenter/organizer).
Location: Zapote, Costa Rica.

Transforming Cellulosic Waste to Energy. Presented at the 37th Annual Fall Forestry and Wildlife Field Tours 2013 (The Bus Tours).
Instructor: Quesada-Pineda, H.J., and Withers, J.
Location: Critz, VA.
Conference Proceedings


Courses Taught

SBIO 1234. Introduction to Wood Design and Craftsmanship
Semester: Fall 2013.
Credit Hours: 3
Instructors: Kline / Buehlmann
No. of Students: 20

SBIO 2104. Principles of Packaging (Section 1, 2)
Semester: Fall 2013.
Credit Hours: 3.
Instructor: R.J. Bush.
No. Of Students: 49.

SBIO 2614. Introduction to Forest Products Marketing.
Semester: Spring 2014.
Credit Hours: 3.
Instructor: R.J. Bush.
No. Of Students: 41.

FOR 2784. Global Forest Sustainability
Semester: Fall 2013.
Credit Hours: 3
Instructor: Buehlmann
No. of Students: 36

SBIO 2784. Global Forest Sustainability
Semester: Fall 2013.
Credit Hours: 3
Instructor: Buehlmann
No. of Students: 23

GEOG 2984. Guest Lecture, Seeking Sustainability
Semester: Fall 2013.
Credit Hours:
Instructor: R.J. Bush.
No. Of Students: 40

SBIO 3314. Mechanical Properties of Wood
Semester: Spring 2013
Credit Hours: 4
Instructor: Kline
No. of Students 19.
SBIO 3446. Wood Design and Innovation II  
Semester: Spring 2013  
Credit Hours: 3  
Instructor: Kline  
No. of Students 18.

SBIO 3446. Wood Design and Innovation II  
Semester: Fall 2013  
Credit Hours: 3  
Instructor: Kline / Buehlmann  
No. of Students 9.

SBIO 3446. Wood Design and Innovation 1  
Semester: Spring 2014  
Credit hours: 3  
Instructor: Buehlmann  
No. of Students 9.

Semester: Spring 2014.  
Credit Hours: 3.  
Instructor: Quesada-Pineda, H.J.  

SBIO 3634. Wood Products Manufacturing.  
Semester: Fall 2013.  
Credit Hours: 3.  
Instructor: Dr. Brian Bond and Dr. Urs Buehlmann.  

SBIO 3634: Wood Products Manufacturing  
Semester: Fall 2013.  
Credit Hours: 3  
Instructors: Bond / Buehlmann  
No. of Students: 25

Semester: Spring 2014.  
Credit Hours: 3.  
Instructor: Quesada-Pineda, H.J.  
No. Of Students: 8.
SBIO 3984. Culture, Natural Resources and Design in Ireland.
Semester: Spring 2014.
Credit Hours: 3.
Instructor: R.J. Bush / Kline
No. Of Students: 12.

SBIO 4004. Seminar in Forest Products Business.
Semester: Spring 2014.
Credit Hours: 2.
Instructor: R.J. Bush.
No. Of Students: 18.

SBIO 4964. Independent study.
Semester: Fall 2014.
Credit Hours: 3.
Instructor: Quesada-Pineda, H.J.
No. Of Students: 1.

SBIO 5004. Graduate Seminar
Semester: Fall 2013.
Credit Hours: 1
Instructor: Smith
No. Of Students: 10

GEO . Wintermester –Study Abroad to New Zealand
Semester: Fall 2013
Credit Hours:
Instructor: Smith
No: of Students 18

SBIO 5984. Professional Skills for Sustainable Biomaterials Gradauate Students.
Semester: Spring 2014.
Credit Hours: 2.
Instructor: R.J. Bush.
No. Of Students: 10.
**Professional Service**

**Robert J. Bush**

**Earl Kline:**

*Contributions to diversity:*

- SBIO Enrollment Management Committee. Development of departmental display and recruitment materials to target a diverse student body. 2010-2013

- SBIO Enrollment Management Committee. Creation of the SBIO student ambassador program to promote and support a diverse climate in the department.

**University Service**

**Earl Kline:**

*College Service:*


*Department Service:*

- Enrollment Management Committee Chair, 2010-2013. Responsible for coordinating student ambassador program and to represent the SBIO major at important university events.
- Faculty Mentor, 2007-2013.
- P&T Committee, 2013.
- SBIO SHEV Degree Proposal Committee. 2012-2013. Design, development, and implementation of the new Sustainable Biomaterials degree program.

*Service to students:*

- Faculty Advisor and Mentor, Registered Student Organization of the Wood Enterprise Institute,. 2010-2013
- Faculty Advisor, Student Ambassadors, Dept. of Sustainable Biomaterials. 2013.

**Robert J. Bush:**

Undergraduate Student Advising.
Primary advisor for 43 undergraduate students.
Awards and Honors

Henry Quesada received a promotion to Associate Professor in the Department of Sustainable Biomaterials.

**International research collaborations:**

- **Kline:** Coordinated the study abroad program of Eoghan O’Conner, foreign exchange student from Galway-Mayo Institute of Technology (GMIT), Ireland, Spring Semester 2013. Mr. O’Conner’s studies worked jointly with students in the Wood Enterprise Institute and SBIO 1234 at Virginia Tech to satisfy part of his internship requirements at GMIT.

- **Kline:** Invited as a Visiting Professor to the Galway Mayo Institute of Technology, Letterfrack, Ireland. Conduct research on forest industry supply chains in Ireland and taught courses in Lean Manufacturing, January-May 2014.
Members

Askins Publishing /
American Lumber and Pallet Magazine
PO Box 1136
Fayetteville, TN  37334
Phone:  (931) 433-1010
Fax:  (931) 433-1081
Email:  bill@amlumber.com
Website:  http://www.amlumber.com

Contact:
W.R. (Bill) Askins, Jr., President

American Lumber and Pallet is a monthly buy and
sell publication which specializes to sawmills,
pallet mills, woodworking/veneer mills and
logging operations.

Anderson-Tully Lumber Company
PO Box 38
Vicksburg, MS  39180
Phone:  (601) 636-3876
Fax:  (601) 636-4719
Email:  richardw@andersontully.com
Website:  http://www.Anderson-Tully.com

Contact: Richard Wilkerson, Vice President of
Lumber Sales

Appalachian Hardwood Manufacturers,
Inc.
PO Box 427
High Point, NC  27261
Phone:  (336) 885-8315
Fax:  (336) 886-8865
Email:  tom@appalachianwood.org
Website:  www.appalachianwood.org

Contact:
Tom Inman, President

AHMI is an association that promotes logs, lumber
and products from the Appalachian region.

Atlanta Hardwood Corporation
5596 Riverview Road
Mableton, GA  30126-2914
Phone:  (404) 792-2290
Fax:  (404) 792-2294
Email:  ahc@hardwoodweb.com
Website:  www.hardwoodweb.com

Contacts:
James W. Howard, Jr., President
Marty Payny, Sales Manager
Patrick G. Altham, VP Export

Products:
boards, common; boards, select; flooring;
moulding

Species:
alder, ash, basswood, beech, cherry, hickory,
imported hardwoods, mahogany, hard maple, soft
maple, white maple, red oak, white oak, poplar,
walnut, eastern white pine
Baillie Lumber Company
PO Box 6
Hamburg, NY 14075

Phone:  (716) 649-2850
Fax:  (716) 649-2811
Email:  information@baillie.com
Website:  www.baillie.com

Contacts:
Jeff Meyer, President
Kenneth A. Philbrick, Yard Operations Manager

Products:
boards, common; boards, select

Species:
ash, basswood, beech, birch, cherry, red elm, hickory, hard maple, soft maple, red oak, white oak, poplar, walnut

Bingaman & Son Lumber, Inc.
PO Box 247
Kreamer, PA 17833

Phone:  (570) 374-1108
Fax:  (570) 374-5342
Email:  cbingaman@bingamanlumber.com
Website:  www.bingamanlumber.com

Contacts:
Chris Bingaman, Vice President Operations/Sales Manager

Products:
boards, common; boards select; glued-up stock; furniture dimension

Species:
ash, basswood, birch, cherry, hickory, mahogany, hard maple, soft maple, red oak, white oak, poplar, black walnut, eastern white pine

Boehm-Madisen Lumber Co., Inc.
PO Box 906
Brookfield, WI 53008-0906

Phone:  (262) 544-4660
Fax:  (262) 544-0795
Email:  boehmmad@execpc.com

Contacts:
Thomas J. Kestly, Sr.

Products:
boards, common; boards, select; flooring; timbers; cutstock; log cabin siding; glued-up stock; pattern stock; decking, laminated; decking, roof; dimension, furniture; dimension, precut; edge-glued products; fingerjointed; stepping; millwork, moulding & trim; plywood, hardwood; plywood, prefinished; shops & factory grades; siding, decking; treated products

Species: hardwoods, softwoods

Columbia Forest Products
PO Box 1148
Old Fort, NC 28762

Phone:  (800) 637 – 1609,
(828) 724 - 4191
Fax:  (828) 724-4066
Email:  sfranklin@columbiaforestproducts.com
Website:  www.columbiaforestproducts.com

Contact:
Don Carter, Human Resource Manager
Ed Woods, VP Sales and Marketing

Products:
hardwood veneer; hardwood plywood; laminated products; flooring; veneer raised panels and door inserts

Species:red oak, birch, maple, cherry, ash, pine, mahogany, walnut, white oak, teak
Conner Industries, Inc.
3800 Sandshell Dr., Ste 235
Fort Worth, TX 76137

Phone: (817) 847-0361
Fax: (817) 232-9264
Email: info@connerindustries.com
Website: www.connerindustries.com

Contacts:
H. Grady Payne, III, Vice President

Products:
Dimension stock; boards; timbers; panel products; engineered wood products; pallet and crating lumber

Species:
SYP; SPF; and mixed hardwoods

Cotton-Hanlon, Inc.
PO Box 65
Cayuta, NY 28603

Phone: (607) 594-4600
Fax: (607) 594-4604
Email: ch@onlineimage.com
Website: www.cottonhanlon.com

Contacts:
Mike Hanlon, President

Species:
cherry, maple

Cotton-Hanlon, Inc. is a timberland management company. Tree species include Red Oak, Maple, Ash and Cherry.

Danzer Group
Danzer Veneer Americas
PO Box 3455
Williamsport, PA 17701

Phone: (570) 322-4400
Fax: (570) 322-7213
Email: vijay_reddy@danzerveneer.com
Website: www.danzerveneer.com

Contact:
Dr. Vijay Reddy, Vice President
(724)827-8366 Darlington, PA.

Products:
veneers for panel, furniture, door, cabinet, edge-banding and flooring, dimension, dry; cutstock; glued-up stock; moulding; fingerjoint stock; furniture dimension; window & sash stock

Species:
white ash, aspen, basswood, birch, cherry, black cypress, hickory, hard maple, poplar, red oak, soft maple, white maple, white oak, walnut ash

Fitzpatrick & Weller, Inc.
PO Box 490
Ellicottville, NY 14731-0490

Phone: (716) 699-2393
Fax: (716) 699-2893
Email: sales@fitzweller.com
Website: www.fitzweller.com

Contacts:
Dana Fitzpatrick, Executive Vice President

Products:
boards, common; boards, select; dimension, dry; glued-up stock; moulding; dimension, furniture

Species:
ash, white ash, basswood, beech, birch, cherry, hickory, maple, hard maple, soft maple, white maple, red oak, white oak, poplar, hemlock, eastern white pine
Frank Miller Lumber Company, Inc.
1690 Frank Miller Road
Union City, IN  47390

Phone:  (765)-964-3196
Fax:   (765)-964-6618
Email:  clea@frankmiller.com
Website: www.frankmiller.com

Contacts:
Martha Miller Mathias – President, CEO, COB

Products:
boards, common; boards, select; dimension, green, quarter rift lumber

Species:
white ash, basswood, beech, cherry, elm, hackberry, hard maple, soft maple, white maple, red oak, white oak, yellow poplar, black walnut

Granite Hardwoods, Incorporated
PO Box 226
Granite Falls, NC  28630

Phone:  (828)-396-3395
Fax:   (828)-396-8182
Email:  sales@granitehardwoods.com
Website: www.granitehardwoods.com

Contact:
Richard W Buchanan, III, President

Products:
boards, common; boards, select

Species:
ash, red oak, hard maple, poplar, elm, cherry, soft maple, hickory-pecan, walnut, white oak, basswood

Godfrey Lumber Company, Inc.
PO Box 615
Statesville, NC  28677

Phone:  (704) 872-6366
Fax:   (704) 872-2341
Email:  barry@godfreylumber.com
Website: www.godfreylumber.com

Contact:
Barry Godfrey, Vice President

Products:
boards, common; boards, select; log cabin siding; pattern stock

Species:
oak, poplar, yellow pine, white pine, eastern white pine

Hardwood Distributors Association
C/O Heidler Hardwood Lumber Company
2559 S Damen Ave
Chicago, IL  60608

Phone:  (773) 847-7444
Fax:   (773) 847-7833
Website: www.hardwooddistributors.org

Contacts:
Skip Heidler

Hardwood Distributors Association supports the wholesale distribution yards involved in the merchandising of hardwood lumber, plywood, and flooring, including additional items manufactured from same; or any additional lumber and forest products that custom and practice has, or may develop, in the represented marketing regions.
Hardwood Manufacturers Association
665 Rodi Road, suite 305
Pittsburgh, PA  15235

Phone: (412) 244-0440
Fax: (412) 244-9090
Email: info@hardwood.org

Contacts:
Linda Jovanovich

HMA is an association that assists the furniture, flooring, kitchen and bath, and moulding and woodwork industries with hardwood information.

Hardwood Market Report
PO Box 2633
Memphis, TN 38088-2633

Phone: (901) 767-9126
Fax: (901) 767-7534
Email: hmr@hmr.com
Website: www.hmr.com

Contact:
Judd Johnson, Editor

Hardwood Market Report, established in 1922, is a weekly publication giving benchmark pricing information and marketing commentary on North American hardwood lumber and the hardwood products industry.

Hardwood Publishing Company, Inc.
PO Box 471307
Charlotte, NC  28274-1307

Phone: (704) 543-4408
Fax: (704) 543-4411
Email: george@hardwoodreview.com
Website: www.hardwoodreview.com
Contact:
George Barrett, Editor-Hardwood Review
Andy Johnson, Associate Editor

Hardwood Publishing Company, Inc. are publishers of Weekly Hardwood Review and Hardwood Review Export. They also support Hardwood Search which allows companies to buy and sell lumber online.

Industrial Timber & Lumber Company
23925 Commerce Park
Beachwood, OH 44122

Phone: (216) 831-3140
Fax: (216) 831-4734
Email: sales@itlcorp.com
Website: http://www.itlcorp.com

Contacts:
Larry Evans, President
**ISK Biocides, IBC manufacturing**
416 E. Brooks Road
Memphis, TN 38109-0158

**Phone:** (901) 344 5350  
**Fax:** (901) 344 5387  
**Email:** info@ibio.com

**Contact:**  
Joe Ignatoski, President, COO  
Lance Johnson, District Sales Supervisor

**Products:**  
sap stain and mold preventatives; industrial wood preservatives; WOODguard and Natural Home—wood protection for the homeowner.

---

**Jim C. Hamer Company**
PO Box 418
Kenova, WV 25530

**Phone:** (304) 453-6381  
**Fax:** (304) 453-6587  
**Email:** jdearing@jimchamer.com  
**Website:** www.jimchamer.com

**Contacts:**  
Steve Hamer, President

**Products:**  
boards, common; boards, select; dimension, furniture

**Species:**  
ash, beech, hard maple, soft maple, red oak, white oak, poplar

---

**Southeastern Lumber Manufacturers Association**
200 Greencastle Road  
Tyrone, GA 30290

**Phone:** (770) 631 - 6701  
**Fax:**  
**Email:** alexis@slma.org  
**Website:** www.slma.org

**Contact:**  
Brian Smalley, President

---

**Structural Systems, Inc.**
201 Poplar Avenue  
Thurmont, MD 21788

**Phone:** (800) 800-7414  
**Fax:** (301) 271-5252  
**Email:** jsteinbruck@ssi-midatl.com  
**Website:** http://www.ssi-midatl.com

**Contacts:**  
John Steinbruck

**Products:**  
Distributes building materials such as Trus Joist engineered wood, and USP connectors, and Jeld-Wen, Silverline, Therma-Tru, and Summit windows and doors. Manufacturer of trusses and wall panels from premium Southern Yellow Pine and SPF lumber.
Spartanburg forest Products, Inc.
1431 Highway 101 South
Greer, SC 29651

Phone:  (864) 699-3100
Fax:  (864) 699-3101
Email:  smichael@gsponline.net
Website:  www.sfpinc.biz

Contact:
Stephan W. Michael, President/CEO

Spartanburg Forest Products, Inc. is a marketing and management organization, focusing in treated and engineered wood products.

T & S Hardwoods, Inc.
Harrisburg Road
PO Box 1233
Milledgeville, GA  31059

Phone:  (478) 453-3492
Fax:  (478) 453-9002
Email:  dsmith@tshardwoods.com
Website:  www.tshardwoods.com

Contacts:
Larry N. Thompson III., President

Products:
boards, common; boards, select; dimension, green; railroad ties; timbers

Species:
brown ash, cherry, cottonwood, soft elm, sap gum, hickory, soft maple, red oak, white oak, pecan, yellow poplar, sycamore, black walnut, cedar, cypress
The Shannon Lumber Group
PO Box 16929
Memphis, TN 38186-0929

Phone: (662) 393-3765
Fax: (662) 393-2063
Email: jbrown@jtshannon.com
Website: www.jtshannon.com

Contacts:
Jack Shannon - President
Jennie Brown, Administrative Officer

Products:
boards, common; boards, select; dimension, dry; dimension, green; fingerjoint stock; dimension, furniture; glued-up stock; pattern stock; moulding

Species:
white ash, cherry, cottonwood, mahogany, hard maple, soft maple, red oak, white oak, poplar, black walnut

UC Coatings Corporation
PO Box 1066
Buffalo, NY 14215

Phone: (716) 833-9366
Fax: (716) 833-0120
Email: tom@uccoatings.com
Website: www.uccoatings.com

Contact:
Norman E. Murray, Chairman

Products:
ANCHORSEAL - End sealer for logs and lumber, is the best known brand name in the world for wax emulsion end sealers. GEMPAINT and GEMPAINT*PLUS BATES Boothcoating / Glue Release makes it easy to clean dried glue off machines and equipment.

USDA Forest Service
Northern Research Station
180 Canfield St.
Morgantown, WV 26505

Phone: (304) 285 – 1500

Contact:
Ed Cesa, Research Scientist

USDA Forest Service
Southern Research Station
1650 Research Center Dr.
Blacksburg, VA

Phone: (540) 231 – 1707

Contact:
Phil Araman, Senior Research Scientist

Virginia Forest Products Association
220 East Williamsburg
PO Box 160
Sandston, VA 23150-0160

Phone: (804) 737-5625
Fax: (804) 737-9437
Email: vfpa@att.net
Website: www.vfpa.net

Contact:
Susan Jennings, President

VFPA is an association active in promoting state and local codes and regulations developed to provide safety to life and property from the hazards of fire.
Center for Forest Products Business

Weaber, Inc.
1231 Mt Wilson Rd
Lebanon, PA  17042

Phone:  (717) 867-2212
Fax:  (717) 867-1711
Email:  matt@weaberlumber.com
Website:  www.weaberlumber.com

Contact:
Matt Weaber, President

Products:
S4S boards and moulding; finger jointed poplar;
finger jointed and edge glued material; random
width and ripped to width hardwoods; ties; pallet
cants; logs; secondary hardwood products

Species:
red oak, white oak, poplar, ash

W. M. Craver Lumber Company
PO Box 2888
Hickory, NC  28603

Phone:  (828) 397-7481
Fax:  (828) 397-3763
Email:  wmc@cramerlumber.com
Website:  www.cramerlumber.com

Contact:
Wendell Cramer, President

Products:
boards, common; boards, select

Species:
poplar, red oak, white oak, ash, hickory, beech,
soft maple, cherry, hard maple, elm, basswood,
chestnut, mahogany, white pine, ponderosa pine

Wood Component Manufacturers
Association
741 Butlers Gate, Suite 100
Marietta, GA  30068

Phone:  (770) 565-6660
Fax:  (770) 565-6663
Email:  skelawser@aol.com
Website:  www.woodcomponents.org

Contact:
Steven W. Lawser, CAE
Executive Director

The WCMA represents U.S. and Canadian
manufacturers of wood component products.
Member companies produce a wide range of
rough, semi- and fully machined hardwood,
softwood and engineered wood components
for the furniture, cabinet, millwork, building
products, and related wood product industries

Wood Preservers, Inc.
PO Box 158
Warsaw, VA  22572

Phone:  (804) 333-4022
Fax:  (804) 333-9269
Email:  mwright@woodpreservers.com
Website:  www.woodpreservers.com

Contact:
Morgan Wright, President

Products:
boards; softwood dimension; timbers; ties

Species:
loblolly pine, longleaf pine, shortleaf pine