

| | | | | | | |
|----|----|----|----|----|----|----|
| 31 | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 1 | 2 | 3 | 4 |

INSIDE VT WOOD

Splinter

The Wooden Supercar

It's sleek - it's fast - it's breakthrough technology - and it's wood.

www.joeharmondesign.com/gallery.html

See it at the Wood Week Career Fair

Thursday Sept. 18th 10:00 am - 4:00 p.m. under the 'big top' tent on the Drill Filed



Reminder...

Remember to submit department news items by Friday 3 p.m. of each week to Will Pfeil at wpfeil@vt.edu for inclusion in Inside VT WOOD each Monday morning. All past issues of Inside VT Wood reside on our department website under the [publications link](#).

News From Paul Winistorfer

- Wood Week 2008 is almost here! Students, Wood Week 2008 is for you! Please plan to be engaged with our career fair visitors on Thursday Sept. 18th under the 'big top' tent on the Drillfield.
- Our Graduate Student Spotlight this month is student Travis Church. Travis comes to us from a BS degree in materials science and engineering at VT. He is working with Dr. Renneckar in the nanoworld of new materials and coatings.
- University Studies Advisors will be coming to the Brooks Lab on Friday September 12 from 11:30 – 1:30 for a lunch and learn about our program.

Industry Participants Registered for the Wood Week Career Fair Thursday September 18, 2008

- Mann And Parker Lumber Company
- Roy O. Martin Lumber Co. , LLC
- Universal Forest Products Inc
- Columbia Forest Products
- American Woodmark Corporation
- ISK Biocides, Inc.
- Industrial Timber & Lumber Company
- Morgan Lumber Company and Morgan Motorsports, LLC
- Georgia-Pacific LLC
- Moulding and Millwork
- Blair Dumond, Inc.
- The Danzer Group
- Weyerhaeuser
- George Preston Motorsports
- Stiles Machinery
- Huber Engineered Woods, LLC
- Rex Lumber Company
- Baillie/American Lumber
- Carolina Inspection Services, Inc.
- Joe Harmon Designs
- Augusta Lumber Company, LLC
- Center for Unit Load Design

Kirst is New GSA Representative

Andrew Kirst, 1st year MS student is the department graduate student representative to the Graduate Student Assembly. Andrew will attend monthly meetings and foster 2-way communications between the GSA and our department graduate students. You can reach Andrew at akirst@vt.edu

Wood Enterprise Institute Bookshelves Now Available for Order

The Wood Enterprise Institute (WEI) is open for business via online ordering. Get your table top bookshelf and custom laser engraving today! Check out the WEI at www.woodscience.vt.edu/wei

Wood Industry Student Placement Program

The industry is using our new student placement website. Be sure to remind students and industry colleagues that the posting service is now online and available for us. You can find it on our [homepage](#).



Travis Church

My name is Travis Church, and I am a first year Masters Student in the MACRO program researching under Dr. Renneckar. I graduated with my BS from the Materials Science and Engineering Department at Virginia Tech this past spring. Some of my previous research is primarily in the field of ceramics, with an 8 month Co-op experience with National Gypsum and a senior design project involving sapphire for coal gasification sensors.

I started working with Dr. Renneckar two years ago as an assistant researcher in the area of polyelectrolyte coatings. Over those two years I designed a device that increased the amount of coatings by 1 or 2 orders of magnitude. Now my research is within biomimetic composites which will require the use of Microfluidics. Using Microfluidics we plan to coat micro bubbles with eventually natural cationic and anionic polyelectrolytes that may create a material that could biomimic wood.

I am originally from Powhatan, Virginia, a rural area southwest of Richmond, Virginia. My mom was an elementary school teacher and now spends most of her time up-keeping our horse stable. My dad is a retired Electrical and Industrial Engineer who worked for Phillip Morris, now known as Altria. I have two older sisters, one who is starting her graduate work in film this fall at Regent University and the other who is an editor for “The Horse” publication, based in Lexington, KY.

My hobbies include quite a large variety of clubs and various activities, gaining the award of “extracurricular extraordinaire” from my engineering undergraduate peers. I have spent 3 years in the Marching Virginians, 4 years with the Wesley Foundation, a Methodist based campus ministry that included a variety of activities including all the intramural

sports. I have had several short stints in various clubs, including the sailing, running, and climbing clubs, with the longest as a trip leader for the Outdoor Club at Virginia Tech, where I am now the president. I am new to Triathlons and completed my first one last August. I am a huge fan of varsity sports here at Virginia Tech and also a free lance photographer for various magazines. I have spent 2 years photographing for the Collegiate Times where I was a photo editor.

I didn’t know the Wood Science department existed until half way through my engineering curriculum and therefore decided to complete my BS in engineering and pursue graduate school in Wood Science. I am excited to be a part of this department and look forward to working with faculty and students in the department.

Dr. Quesada-Pineda Keynotes Entrepreneurship Conference in El Salvador

Dr. Quesada-Pineda, assistant professor of manufacturing and business management, last week attended the XI Entrepreneurship Conference organized by the College of Business and Economics (ESEN) in El Salvador. He was invited as a key note speaker. Dr. Quesada-Pineda lectured on the influence of foreign direct investment and its relationship with the creation of small and medium enterprises. More than 500 participants attended the conference from countries such as Mexico, Costa Rica, El Salvador, Argentina and the United States. The conference also organized an entrepreneur contest among business students from several countries where more than 50 business plans were evaluated by a panel of experts. Winners received cash prizes and support from local incubators in order to start up their business ideas.



Resources in the Bioenergy Arena



This project aims to increase community understanding and discussion about the possibility of using wood for energy in the South. We are generating outreach materials for [Biomass Ambassadors](#) to use in communities across the region. The materials are currently in draft form and we are seeking input and suggestions for improving them.

Population growth in forested areas across the South could generate potential interest and a ready supply of woody biomass for energy. People often have a variety of question about using wood for energy, many of which are answered in our [Fact Sheets](#). It often helps to see how others are using wood; our [Case Studies](#) illustrate 14 examples of utilities, industries, and facilities that use wood for energy. A number of communities in the South have a reasonable potential to sustainably harvest enough wood to power a municipal building, hospital, industry, or several thousand homes. To find out more about how much wood some communities could economically harvest and transport, [click here](#).

Biomass Ambassador Guide:

- [Table of Contents](#) [PDF]
- [Foreword and Acknowledgments](#) [PDF]
- [Outreach Guide](#)
- [Fact Sheets](#)
- [Case Studies](#)
- [Community Economic Profiles](#)
- [Presentation](#)
- [Resources & Appendix](#)
- [Authors](#)

Additional Resources:

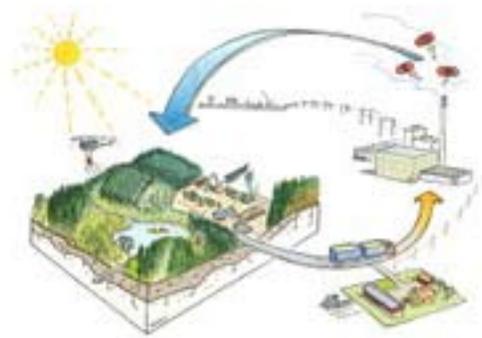
- [Community Selection Details](#) [1.4MB excel file]
- [Biomass Ambassador's Corner](#) — updates and helpful resources
- [Wood to Energy Outreach Program](#) [PDF]

Welcome to the Encyclopedia of Southern Bioenergy

Authored By: T. Smith, H. M. Rauscher

Before learning about Southern Bioenergy, new users of this site might want to learn more about what an online encyclopedia consists of by checking out the [Where to Begin page](#).

The forest ecosystems of the South serve many purposes including the production of bioenergy. This encyclopedia is a synthesis of the best available scientific knowledge regarding the state of bioenergy and bio-based products from Southern forest ecosystems. We are certainly not suggesting that all existing forests should be tapped for energy production. Forest biomass for energy and other bio-based products can and must be managed as simply one of a large number of goods and services that can be produced from the forests ([IEA Bioenergy Task 31, 2000](#)).



Bioenergy system

The Encyclopedia of Southern Bioenergy is divided into seven sub-sections:

- [Understanding Bioenergy Resources:](#)
- [The Southern Bioenergy Resource:](#)
- [Forest Management:](#)
- [Harvesting:](#)
- [Utilization:](#)
- [Economics:](#)
- [Environmental Sustainability:](#)

Greetings Educators! Please share this with your students.

Association of Woodworking and Furnishings Suppliers®

2009 PAID Internship

Student Opportunity in the Wood Manufacturing Industry

Applications are now being accepted for the 2009 AWFS®Fair Student Internship!

The AWFS®Fair is a trade show held biennially in the odd-numbered years in Las Vegas, Nevada, in the month of July. It is one of the largest shows in the wood products manufacturing industry and attracts an international audience. The Fair is a very challenging event to organize and produce. AWFS® is seeking a student with the ability to work in a fast-paced team-oriented environment to prepare for the Fair and one of the feature attractions, the Fresh Wood Student Woodworking Competition, and to join us in working on-site for the duration of the show.

Here are the details of the internship:

- **Description:** The intern will be assisting in the preparation, coordination and administration of the Fresh Wood student woodworking competition. Tasks specific to the competition include (but are not limited to): organize applications for judges; assign rate sheets; develop Word and Excel file lists; facilitate student/teacher correspondence, travel and housing. On-site, intern will assist with the setup and dismantle of the display; work with judges; assist with signage; assign volunteers; create award certificates; help coordinate the awards reception.

The intern will also assist in the administration and implementation of the College of Woodworking Knowledge® educational seminar program, preparing handout material; helping on-site with temp staffing; participating in the program roll-out by assisting attendees, checking signage, facilitating registration problems, interfacing with audio visual technicians; coordination of water/beverage services; obtain tool setups for craftsmen demos; assist with

evaluation distribution and collection after the Fair. Other general trade show tasks related to exhibitor relations and show logistics may apply.

• Skills needed:

- o Minimum 2 years college experience/must be entering your Junior or Senior year by Fall 2009
 - o Very strong verbal and written communication skills
 - o Good computer skills; proficient on Microsoft Office programs Excel and Word
 - o Excellent organizational skills; great attention to detail
 - o Task prioritizing and management/ability to manage priorities and work flow
 - o Ability to function in a fast-paced environment/work under pressure
 - o Ability to work independently and as a team player
- Timeframe: Beginning the end of April or early May, ending July 31, 2009 (approximately 14 weeks)
- Hours: Full-time, Monday - Friday
- Location: AWFS® headquarters in Commerce (Los Angeles), CA. NOTE: Internship includes ten days on-site in Las Vegas. Individual must be able to participate in the on-site Fair execution.
- Salary: This is a paid internship and includes overtime for longer days on-site.
- Students from outside the area must pay their own airfare to and from Los Angeles. They are also responsible for locating and paying for their housing.

This is a great opportunity for a student to become acquainted with the extremely diverse aspects, coordination and implementation of a major business event. The intern will be well utilized and have hands-on, multi-task experience with a variety of skill experiences, as well as exposure to the people and components critical and specific to the woodworking industry.

To apply, students must submit a resume and two letters of recommendation from instructors or previous employers. Students must coordinate any paperwork with their school for work study units. Submit materials to:

AWFS®

Attn: AWFS®Fair Internship

500 Citadel Dr. Ste 200

Commerce, CA 90040

Students are encouraged to apply early in order to coordinate any available work-study units.

The final deadline for application is January 31, 2009.

Information from the Wood Education & Resource Center

1. Sales Training, Oct. 29-30, 2008, Princeton, WV. Sponsored by VA Tech and WERC. Additional details can be viewed at:

http://www.na.fs.fed.us/werc/events/08/sales_training_brochure_07_29-30_08.pdf

2. Final report for the WERC grant titled, Management Strategies for Utilizing Hardwood Sawdust as Poultry Bedding, can be viewed at:

http://spfnic.fs.fed.us/werc/p_details.cfm?ID=WERC%2D011%2D05%2DGRANT

If you have any questions or comments, please let me know. Thanks.

Ed Cesa, Deputy Director

Wood Education and Resource Center

Northeastern Area State & Private Forestry USDA Forest Service, Princeton, WV

Phone: 304-285-1530

Wood Week 2008

September 15-19, 2008

26bfgmpel 12-18 2008

MOOQ MGGK 2008

Calendar of Events

Monday
September 15th

Department Welcome Back to School Picnic
5:00 - 7:00 p.m. Hahn Horticulture Garden Pavilion

Keynote Speaker—Patrick Calello, founder of Automoblox—Kicks Off Wood Week 7:00 p.m. www.automoblox.com



Tuesday
September 16th

Wood Magic Show
Brooks Forest Products Center
www.woodmagic.vt.edu

Wednesday
September 17th

Center for Forest Products Marketing and Management Meets
The Inn at Virginia Tech

Center for Unit Load Design Advisory Board Meeting
The Inn at Virginia Tech

Department Scholarship Recognition and Reception Program
The Inn at Virginia Tech 6:00 - 8:00 p.m.

Thursday
September 18th

Wood Week 2008 Career Fair
Join us under the 'big top' tent in the middle of our campus for the largest University sponsored wood industry career fair in North America. We have room for 75 wood industry companies this year.

Come to Virginia Tech and recruit students from all majors for your wood industry business needs.

Registration opens April 1, 2008 at www.woodscience.vt.edu



VirginiaTech
Invent the Future

The Department of
Wood Science & Forest Products
www.woodscience.vt.edu at Virginia Tech

