

April 2008						
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# INSIDE WOOD

## News From Paul Winistorfer

- Our Graduate Student Spotlight and Seminar presenter this week is Ji Youn Yoo, MS candidate working with Dr. Han. The title of her presentation is “Quantitative analysis of static stress distributions across pallet decks for the unit loads of selected packaged product forms and stacking patterns’. Please join us at 9:00 am on Friday morning in the Brooks Classroom.
- We welcome the Center for Unit Load Advisory Board to our Inside VT Wood distribution list, as well as Terry Campbell of Augusta Lumber Company, and Travis Robinson of Morgan Lumber Company.
- I will be participating in the [Stiles Executive Briefing Conference](#) this week in Princeton New Jersey. I will be representing WoodLINKS, Virginia Tech and making a presentation on nanotechnology and applications in the wood industry.
- There are no classes on Wednesday April 16th, a day of remembrance of those who lost their lives and were injured on our campus one year ago. Administrative offices remain open. There are many special services and memorial events on campus and in our community this week. Please take time to remember those we have lost.

## Thammarat Mettanurak Successfully Defends MS Thesis

Congratulations to MS candidate Thammarate Mettanurak for his successful defense of this thesis research work last week. Thammarat’s thesis research topic is ‘effect of suppression and release on compression parallel to grain for small-sized yellow-poplar specimens. Dr. Audrey Zink-Sharp serves as Thammarat’s major professor.

## Scholarship Application Deadline is May 15th

Our department scholarship application deadline is May 15th, for scholarships to be awarded effective fall 2008. Application may be made on line. You can find our downloadable application form, and link to the online application on our department website at <http://www.woodscience.vt.edu/students/scholarships/scholarlist.asp?type=1>

Notification is made during the summer, and students are recognized at our Wood Week Scholarship Recognition Reception. The reception is scheduled for September 17th , 2008 at the Inn at Virginia Tech.

## Wood Week 2008 Career Fair Registration is Now Live

Wood Week 2008 is set for the week of September 15, 2008. Our Career Fair is Thursday September 18, on the Drillfield of the Virginia Tech campus. We have increased our capacity this year to 75 companies. Registration is now live and linked from the Wood Week 2008 link on our homepage. Please help spread the word on the career fair and help us reach our goal of 75 participating firms this year.



## **FOR IMMEDIATE RELEASE**

# **WOOD INDUSTRY CAREER FAIR AT VIRGINIA TECH ANNOUNCED**

**Virginia Tech, Blacksburg, VA - April 9, 2008.** The department of Wood Science and Forest Products at Virginia Tech has announced dates for its annual Wood Week activities, including the largest University-sponsored career fair in North America for the wood and forest products sector. Wood Week 2008 will be held the week of September 15, 2008 on the Virginia Tech campus in Blacksburg, Va. The annual Wood Week Career Fair will be held on Thursday September 18<sup>th</sup>. The event is held in the central area of the campus in a location known as the Drill Field. 27,000 students cross the Drillfield each day going to and from dormitories to classes. The career fair is held under a 'big top' tent in this most visible location on the campus.

“Our vision is to put the North American forest products industry in front of 27,000 students on the Virginia Tech campus. Our industry needs engineers, chemists, architects, marketers, managers, wood scientists, foresters, and a host of other talents you will find in students on our campus. On the strength of our own department and the relationships we foster with the industry and the other academic programs at Virginia Tech, we vision to create a career fair venue that all industries in our sector will benefit from. We believe a ‘rising tide floats all boats’ and by doing this together we can bring tremendous visibility to opportunities in our industry” said Department head Dr. Paul Winistorfer. The career fair attracted nearly 50 industry representatives in 2007, the first year of the event in the middle of the campus.

The event is promoted well in advance through direct mailings to academic departments, news release on the department and VT websites, as well as full-page advertisements in the student newspaper leading up to the event. Registration is required, as well as a registration fee. Industry participation will be increased and capped at 75 participating firms this year. Registration is now open online at [www.woodscience.vt.edu](http://www.woodscience.vt.edu).

Wood Week includes a keynote speaker addressing students in classes as well as an open public lecture, a student scholarship reception, the award-winning Wood Magic Show for 4<sup>th</sup> and 5<sup>th</sup> grade students and teachers, and the career fair. The keynote speaker for Wood Week 2008 is Patrick Calello, founder and designer of Automoblox ([www.automoblox.com](http://www.automoblox.com)), a wooden toy company.

The department of Wood Science and Forest Products in the College of Natural Resources is the leading program in North America engaged in wood and renewable materials utilization. Faculty focus on the science and business of wood and renewable materials utilization through learning, discovery, and engagement. The department is home to the Center for Forest Products Marketing and Management, the Center for Unit Load Design, the Wood-Based Composites Center, the Sustainable Engineered Materials Institute and the award winning Wood Magic Show for 4<sup>th</sup> and 5<sup>th</sup> grade children and their teachers. Through cooperation with the department of marketing in the Pamplin College of Business, the department co-directs the Alfred P. Sloan Forest Industries Center. The department is an active participant in the renewable materials research initiative in the Institute for Critical Technology and Applied Science (ICTAS). Students learn from the leading wood and renewable materials scientists in the world, who bring the latest science and application of principles to the classroom.



***Invent the Future***

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY  
*An equal opportunity, affirmative action institution*



Ji Youn Yoo  
M.S. Candidate

**M**y name is Ji youn Yoo. I am a second year M.S. student working with Dr.Han in the packaging program. This is my last semester and I am working on my thesis now.

I grew up in Seoul which is the biggest city in South Korea. I have one younger brother who serves in the Korean army. My father worked for a government office for 25 years. He retired and started his own business 5 years ago. My mom is now helping my dad. I also have two dogs staying with my parents.

I attended Yonsei University in Korea for 2 years in the packaging major. I decided to transfer to Indiana State University (ISU) for study abroad and completed a B.S in packaging technology at ISU. While I had been studying packaging science for my undergraduate, I became motivated to learn more. So, I decided to pursue an M.S degree at Virginia Tech.

My research at Virginia Tech has focused on quantitative analysis of static stress distributions at interface of packaging and pallet deck. To quantify the static stress distribution image processing has been done using pressure sensitive film. The analyzed stress distribution is used to develop the finite element model of deformation of pallet decks supporting non-rigid packaging. This model will allow the industry to better optimize pallet, packaging, and unit load design. I enjoy gaining a lot of new knowledge through my research.

I think I am a type of happy person. I am always trying to be happy with everyone and everything. However, during the first two years in USA, I used to feel lonely and homesick. Whenever I felt like that, I went to church and could have peace of mind. Since then, I became a Christian. I thank God and all people I have met at Brooks, church, and campus because they are the reason why I can enjoy being here in Blacksburg.

For my hobbies, I enjoy watching movie, reading books, swimming, running, skiing and snowboarding. I also love to take a trip. One thing I really want to do is to travel to all states in America. Traveling always has allowed me to meet new experience and new people, in which I could learn how to understand people more and love them more.

## Wood Science Alum Travis Robinson Joins Morgan Lumber Company

Travis Robinson (BS Dec 2002) has joined Morgan Lumber Company in Red Oak Virginia. Travis is working in the lumber sales division, headed up by John Morgan.



You can contact Travis at Morgan Lumber as follows:

Travis Robinson  
Morgan Lumber Company  
PO Box 25  
628 Jeb Stuart Hwy.  
Red Oak, Virginia 23964

Phone: 919-533-6044

Email: [trobinson016@nc.rr.com](mailto:trobinson016@nc.rr.com)

Website: [www.morganlumber.com](http://www.morganlumber.com)

(Photo L-R) Don Bright, General Manager Morgan Lumber Company (BS '98), Travis Robinson, Sales (BS '02) and Dr. Paul Winistorfer, Department Head VT Wood Science and Forest Products pose with Don Bright's VTWood truck last week at Morgan Lumber Company.

## \$1,500 Scholarship Awarded to Packaging Science Graduate Student

Alex Hagedorn, a PhD Candidate in packaging science was awarded a \$1,500 scholarship for next school year from the MHIA Loading Dock Equipment Manufactures Product Section, part of The Material Handling Education Foundation, INC. This organization is a nice fit and has many valuable resources pertinent to his research area. Congratulations Alex!



## Kline Develops Workshop on Total Productive Maintenance

During the week of March 24-28, Earl Kline worked with faculty from the Natural Resources Research Institute (NRRI) at the University of Minnesota – Duluth to develop and test a workshop on Total Productive Maintenance. This workshop uses a “hands on” experiential team-learning approach to teach wood industry practitioners about maintenance best practices. The photos to the right show how one team worked to develop a system to properly maintain a compressor and keep it operating at peak performance. Earl and Brian Bond are planning to offer a version of this workshop to Virginia companies on May 15 during VFPA's Richmond Expo. Development of workshop training materials is being sponsored through a grant from the Wood Education and Resources Center (WERC).



Before

After



## **Bond Presents at Central Hardwoods Conference**

Dr. Brian Bond presented a paper at the Central Hardwoods Conference held on April 7-9th at Purdue University in Lafayette, Indiana. His presentation covered the results of a cooperative research project with Phil Araman of the U.S. Forest Service, Southern Research Station. The project involved comparing lumber yield, value and drying degrade for straight and curve sawing hardwoods that contain sweep. The project was funded through the Wood Education and Resource Center, Northeastern Area State and Private Forestry, Forest Service, U.S. Department of Agriculture. The research was published the proceedings from the meeting and will be available online.

## **Kline Participates in Sloan Foundation Workshop**

On April 9, 2008, Earl Kline participated at the WVU National Research Center for Coal & Energy in a Sloan Foundation workshop on "Impacts of High and Volatile Energy Costs on Energy Intensive Industries: Coping Strategies and Future Research Needs". Earl presented energy utilization and demand trends in the forest products industry. Many fantastic industry presentations from industry leaders representing food, pulp and paper, steel, aluminum, airline, and others were given. There are many opportunities to work with other industry sectors on related energy challenges that are very similar to those faced by the forest products industry. Earl will circulate the workshop proceedings when they are published.

## **CULD Short Course April 15-17**

The Center for Unit Load Design will be holding its Unit Load Design Short Course, Tuesday - Thursday, April 15 - 17, 2008 at the Inn at Virginia Tech. The course includes a tour of the center at Brooks on Wednesday from 2:00 - 5:00pm.

## **Virginia Forestry Association to Meet April 18-20, 2008 at Hotel Roanoke**

The Virginia Forestry Association will be holding its annual convention April 18-20 in Roanoke at the historic Hotel Roanoke. The title of this year's convention is "Market Driven Conservation: Keeping Virginia Forest Lands Profitable".

You do not need to be a VFA member to attend. Please visit [www.vaforesrty.org](http://www.vaforesrty.org) for registration information.

Activities include:

- Project Learning Tree Workshop
- Landowner & Forester Workshop: The Anatomy of Forest Certification Schemes in the US
- Logger & Forester Workshop: Certification in the Wood Supply Chain
- Tour of historic Salem
- Family Dinner
- Nikki Rovner, Deputy Secretary of Natural Resources:  
Conservation Easements as related to Governor Kaine's 400,000 acre Land Conservation Goal
- Leon Guyer, Professor of Agriculture & Applied Economics, VT:  
Pros & Cons of Conservation Easements
- Laure Giese, Environmental Scientist, wetland Studies & Solutions,  
Inc: Wetlands Mitigation Options for Landowners
- Buck Kline, Regional Forester, Virginia Department of Forestry:  
Ecosystem Services
- Joanne Meyer Cox, Meyer\_Cox Forestry Consultants, LLC: Why Forest Certification is Relevant
- Attend the spring football game at Virginia Tech/tour Latham Hall/visit the April 16th Memorial
- President's reception & dinner

Please visit [www.vaforestry.org](http://www.vaforestry.org) for registration information.

## Wood Engineering Challenges In The New Millennium –Critical Research Needs

Pre-Conference Workshop for Structures Congress

April 23-24, 2008

Hyatt Regency Vancouver

Vancouver, BC, Canada

ASCE's Committee on Wood Research is sponsoring a 1-½ day workshop with the support of USDA Forest Products Laboratory to provide a forum for state-of-the-art review and to develop a prioritized agenda for future wood engineering research. The workshop will be conducted prior to the start of the Structures Congress.

Research topics will revolve around the national and global research drivers, namely, sustainability, economic competitiveness, health, life and property protection, and infrastructure renewal. Before the workshop begins, participants will receive position papers on eight key research areas. During the workshop, attendees will participate in three breakout sessions dealing with research areas of their choosing.

### Workshop Schedule

Wednesday, April 23: Two plenary presentations, three breakout sessions. Continental breakfast and lunch will be provided. Continental breakfast from 7:30 – 8:00 AM and program begins at 8:00 AM and concludes at 5:00 PM.

Thursday, April 24: Summaries by research area session leaders, questions and answers.

Continental breakfast from 7:30 – 8:00 AM and program begins at 8:00 AM and concludes at 11:30 AM.

<http://content.asce.org/conferences/structures2008/PreCongress.html>

Professional Development Hours Workshop attendees can earn 9.25 professional development hours (PDH). Space is limited, so register now to secure a spot! Participants can register for the workshop only or for both the workshop and the Structures Congress. The workshop fee (\$125 before April 22, \$155 after April 22) is not included in the congress registration fee.

### Register Online

When registering on-line, please scroll down the event selection window to find the pre-congress workshop. For additional information regarding the workshop, please contact Dr. Vijaya (VJ) Gopu at [vgopu@tulane.edu](mailto:vgopu@tulane.edu) or 225-767-9102.

## New River Valley Green Home to hold annual seminar, exhibit, and tours

By Heather Riley Chadwick

A collaborative group of New River Valley agencies and businesses, and Virginia Tech centers is hosting the second annual New River Valley Green Home seminar, exhibit, and tours from 8 a.m. to 5 p.m. on April 26, 2008, at the Blacksburg Recreation Center, 725 Patrick Henry Drive.

The event is hosted by Association for Energy Conservation Professionals, the Community Design Assistance Center at Virginia Tech, New River Valley Living Real Estate, New River Valley Planning District Commission, The Sage Soapbox, Shelter Alternatives, Town of Blacksburg, Virginia Cooperative Extension, Virginia Department of Conservation and Recreation, and YMCA at Virginia Tech.

Green ideas exhibit: Local green building businesses and organizations will exhibit wares and services from 8 a.m. to 1 p.m.

Green tips from experts: The seminar, from 9 a.m. to noon, will feature information about green remodeling and lowering energy costs. Ed Tuchler, from Shelter Alternatives and Colin Arnold, from Community Housing Partners, will discuss "Green Remodeling: Retrofitting Your Home;" Terry Clements, associate professor of landscape architecture, College of Architecture and Urban Studies, Virginia Tech, will discuss "Landscaping for Energy Conservation;" and Bryan Walsh, from Solar Connexion, will discuss "Residential Solar Technology."

Tour green homes: Tours, held from 1 to 5 p.m. at houses throughout the New River Valley, will feature area residences that are extremely energy efficient in their design and construction, utilize renewable energy systems, or utilize local building materials.

Registration is \$15 per person, or \$25 for two people, through the Blacksburg Parks and Recreation website, by calling (540) 961-1135, or at the door.

Exhibit and sponsorship opportunities are still available. Find more information about available opportunities.

The Community Design Assistance Center is an outreach center of Virginia Tech's College of Architecture and Urban Studies.

Contact Heather Riley Chadwick at [hrchadwi@vt.edu](mailto:hrchadwi@vt.edu) or (540) 231-2108.

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## Job Announcements

### The Mann and Parker Lumber Company

Contact information:

PH: 717-235-4834

Ask for Greg Lutter or Gary Johnston

Fax: 717-235-5547

Send Your Resume To: [hr@m-pgoldbrand.com](mailto:hr@m-pgoldbrand.com)

#### Full Time Positions Available

#### Also limited internships for summer 2008

#### Forest Products Consultant: Inside Sales Representative

This position reports to the Sales Manager. Degree in Forest Products Marketing is desired. This individual is assigned to inside office sales, supporting up to two Territory Reps. They will do the follow up work, prospect, close sales and communicate with other departments and management to maintain the flow of sales and shipments. The position requires goal-oriented individuals with outstanding teamwork skills. Future growth opportunities exist in assignment to an outside territory or management positions.

#### Forest Products Consultants: Buyer

This position reports to the Purchasing Coordinator. Degree in Wood Products/Forestry is desired. This individual would work out of our main office as well as being on the road approximately 40%-50% of the time. They build relationships with sawmills within an assigned region and purchase lumber for stock and direct shipments. They also work on special inquiries for material, which are generated from our customer base. Future growth opportunities exist in assignment to Sales and Management

#### Production Trainee:

This position reports to the Production Manager. Degree in Wood Science, Wood Technology, and/or Forestry is desired. The individual will become knowledgeable and proficient in all aspects of production, including, but not limited to; Receiving of lumber, inspection, sorting, drying lumber, order processing, inventory, millwork, and shipping. This position also offers opportunity for advancement into Production Department Supervision, Management or Sales and Purchasing.

## Production Management Trainee – Moulding & Millwork

North America's largest manufacturer of moulding and millwork products is seeking several qualified individuals to help meet our expansion plans. Moulding and Millwork is a rapidly growing division of Sauder Industries with 8 mills and 37 wholesale

distribution centers. Our well established training program provides the necessary tools needed to lead the individual to a career in management. We have been in the wood products business for over 80 years and have a proven track record of providing outstanding career advancements and opportunities throughout the US and Canada.



### Qualified candidates should possess the following:

- Strong interest in management and production
- Desire to learn
- Excellent communication and interpersonal skills
- High energy and initiative
- Motivation to excel in upper management positions
- Bachelors degree in Forest Products, Industrial Engineering, or Business Management
- Production experience is desired, but is not essential

### In addition to a competitive salary, our compensation package includes:

- A complete medical plan
- A liberal company matched 401K retirement plan
- Performance based profit sharing paid annually
- Paid annual vacation within first year of employment

For more information about these exciting opportunities please contact:

Travis Allen at [tallen@mouldingandmillwork.com](mailto:tallen@mouldingandmillwork.com)

See our website at <http://www.mouldingandmillwork.com>

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## Sales Management Trainee – Moulding & Millwork

North America's largest manufacturer of moulding and millwork products is seeking several qualified individuals to help meet our expansion plans. Moulding and Millwork is a rapidly growing division of Sauder Industries with 8 mills and 37 wholesale

distribution centers. Our well established training program provides the necessary tools needed to lead the individual to a career in management. We have been in the wood products business for over 80 years and have a proven track record of providing outstanding career advancements and opportunities throughout the US and Canada.



### Qualified candidates should possess the following:

- Strong sales interest
- Desire to learn
- Excellent communication and interpersonal skills
- High energy and initiative
- Motivation to excel in upper management positions
- Bachelors degree in Forest Products, Business Management, or Marketing



**In addition to a competitive salary, our compensation package includes:**

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See our website at <http://www.mouldingandmillwork.com>

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***Product Engineering Intern – Tarkett***

Department: R&D

Reports To: R&D Manager

FLSA Status: Non-exempt

Prepared By: Sandy Westelaken

**Summary**

Provides engineering support for all aspects of assigned product line to ensure functionality, quality, cost, and schedule by performing the following duties.

**Essential Duties and Responsibilities include the following. Other duties may be assigned.**

- Assists with the development of the product design and functionality.
- Implements the product design within the schedule and budget parameters.
- Identifies any problems with the implementation or available resources that may affect the schedule or budget and communicates such problems accordingly.
- Analyzes the risks of a new design or process and communicates results to project engineer.
- Provides support to manufacturing to ensure product is fabricated and assembled based on the intended functionality of the design.
- Develops and maintains procedures and processes that support core machine technologies.
- Interfaces with others in the organization and customers to jointly determine customer needs and solutions.

**Qualifications**

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

**Education and/or Experience**

Bachelor's degree (B. A.) in progress in relevant discipline from four-year college or university.

**Language Skills**

Ability to read, analyze, and interpret general business periodicals, professional journals, technical procedures, or governmental regulations. Ability to write reports, business correspondence, and procedure manuals. Ability to effectively present information and respond to questions from groups of managers, clients, customers, and the general public.

**Mathematical Skills**

Ability to apply advanced mathematical concepts such as exponents, logarithms, quadratic equations, and permutations. Ability to apply mathematical operations to such tasks as frequency distribution, determination of test reliability and validity, analysis of variance, correlation techniques, sampling theory, and factor analysis.

### **Reasoning Ability**

Ability to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists. Ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.

### **Computer Skills**

To perform this job successfully, an individual should have knowledge of Design software; Project Management software; Spreadsheet software and Word Processing software.

### **Physical Demands:**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this Job, the employee is regularly required to talk or hear. The employee is frequently required to stand; walk; sit and use hands to finger, handle, or feel. The employee is occasionally required to reach with hands and arms; climb or balance and stoop, kneel, crouch, or crawl. The employee must regularly lift and /or move up to 10 pounds, frequently lift and/or move up to 25 pounds and occasionally lift and/or move up to 50 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.

### **Work Environment:**

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this Job, the employee is frequently exposed to wet and/or humid conditions; moving mechanical parts; fumes or airborne particles and toxic or caustic chemicals. The employee is occasionally exposed to high, precarious places; outside weather conditions; extreme heat; risk of electrical shock and vibration. The noise level in the work environment is usually moderate.

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## ***Sales Representative* – Royal Wood Shavings**

Growing manufacturer of bedding for horses is looking for a dynamic and motivated person to develop sales and customer loyalty for the equestrian market in 11 states.

The selected applicant must demonstrate the following skills :

- Work as a team
- Faculty of prioritization , of organization and of methodology
- Ability to communicate and negotiate effectively
- Capable of listening and having empathy for the customer
- Analytical mind to solve problems effectively and diplomatically
- Proactive, capable of managing and achieve goals
- Autonomous and rigourous



A college or university formation would be an asset. Minimum of 3 years experience in a similar job. Knowing the Windows environment. Knowledge of the equestrian field. Must have a driver's license and a car to travel.

Full time position. \$35 000-40 000 salary + car allowance + performance bonus.

Send resume by email : [eric.fortin@royalwoodshavings.com](mailto:eric.fortin@royalwoodshavings.com)

Or by fax : (418) 831-6505

## *Plywood Division* – Atlantic Veneer



It is an honor to graduate from a prestigious program and a respectable university such as Virginia Tech. It is even more of an honor to be able to work in the field that you have spent so much time and effort on through the last several years of your life.

My name is Mason Talley and I am one of the Production Managers at Atlantic Veneer Corporation in Beaufort, NC. I am a graduate from NC State University in the Wood Products Program and work with four other Wood Products graduates on a daily basis.

We are seeking individuals that are eager to work, learn and want to be well respected in the wood industry. Atlantic Veneer currently has mills in North Carolina, Estonia, Balti-Spoon and Germany, so you will have great opportunities to learn and visit domestic and international operations. There is great potential to quickly move up in this company as I have been here for only three years and now manage 65 people in the manufacturing process of Hardwood Plywood.

You will go through a planned out managerial trainee program in which you will learn the following:

1. Manufacturing Process of Hardwood Plywood
2. Grade and Species of Domestic and Tropical Veneers
3. Different core types that are used in the process
4. Sales and Marketing
5. Multitasking
6. Managing People

If you are interested in or have questions about perusing a career here on the coast of North Carolina, please send me a resume to the below e-mail address and I will contact you to set-up an interview. I have attached some information about our company and the Moehring Group. Thanks for your time and consideration.

Mason Talley  
Production Manager (Plywood Division)  
[mtalley@moehring-group.com](mailto:mtalley@moehring-group.com)  
252-728-8654 (office)  
252-723-9233 (cell)



**Student Wood Enterprise Institute**  
WOOD 2984, CRN 61782  
Summer '08



### What is the Student Enterprise?

- ✓ A chance to experience what you learn in class by making it work in a real business enterprise situation
- ✓ A chance to develop skills not typically taught in the classroom
- ✓ A chance to fine-tune your time management abilities
- ✓ A chance to learn how to teach things you know to those who don't
- ✓ A chance to build your resume, build a portfolio, and showcase your abilities in more visible ways in a variety of outlets
- ✓ A chance to deal with problems, understand their root cause, and to develop appropriate countermeasures.
- ✓ A chance to learn what it really means to align business operations with market demand
- ✓ A chance to test the waters of risk, innovation, creativity, and entrepreneurship
- ✓ A chance to further build your network, both in the business world and in the academic world
- ✓ And probably most importantly, a chance for you to guide and direct your own learning experience in directions that are both meaningful and fun! The enterprise is owned by you and it is what you want to make it.

The Wood Enterprise Institute (WEI) introduces an actual wood product “concept-to-market” business project during the Summer Semester 2008. Students will continue last year’s successful inaugural start-up of WEI. Learning experiences include how to improve, make, and market a wood product, organize a business to make and sell it, measure and assess key performance areas, and manage the quality of the processes necessary to sustain a profitable and timely business. Sponsoring faculty and industry representatives will interact with students throughout the project for business models, technology, and practical advice that would be necessary to sustain a competitive business venture. This study is offered as a 6 credit full summer semester course.

**Next Information Meeting:**  
5:30pm --- Tuesday, April 1, 2008  
317 Cheatham Hall

Please contact Dr. Earl Kline ([kline@vt.edu](mailto:kline@vt.edu)) for more information about WEI.



# Wood Week 2008

## September 15-19, 2008

### September 15-19, 2008

### Wood Week 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](http://www.automoblox.com)



Tuesday  
September 16th

**Wood Magic Show**  
Brooks Forest Products Center  
[www.woodmagic.vt.edu](http://www.woodmagic.vt.edu)

Wednesday  
September 17th

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

**Center for Unit Load and Design**  
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](http://www.woodscience.vt.edu)



**VirginiaTech**  
*Invent the Future*

*The Department of*  
**Wood Science & Forest Products**  
[www.woodscience.vt.edu](http://www.woodscience.vt.edu) at Virginia Tech





## Spring 2008 Seminar

Seminar meets in the Brooks Forest Products Classroom

Date-Friday 9:00 AM	Presenter	Topic
January 18	Brian Perkins Ph.D. Candidate	Modeling Factors that Influence Firm Performance of Eastern Hardwood Lumber Manufacturers
January 25	John Bouldin Ph.D. Candidate	Defects in engineered wood products in residential construction
February 1	Thammarat Mettanurak M.S. Candidate	Effect of Suppression and Release on Compression Parallel to Grain Property for Small-sized Yellow-poplar ( <i>Liriodendron tulipifera</i> L.) Specimens
February 8	Omid Parhizkar Ph.D. Candidate	Improving the international competitiveness of U.S. sawmills to Middle Eastern markets: An assessment of market segments
February 15	Tim Stuess Ph.D. Candidate	Information Flow in the Hardwood Supply Chain
February 22	Jim Bisha M.S. Candidate	The effect of load stabilizer selection on load slip within unit loads
February 29	Alex Hagedorn Ph.D. Candidate	Identifying pallet size incompatibilities within the global supply chain
March 14	Omar Espinoza Ph.D. Candidate	Quality Measurement in a Wood Products Supply Chain
March 21	Hezong Wang Ph.D. Candidate	Polyelectrolyte complex formation between cellulose nanocrystals and chitosan
March 28	Gi Young Jeong Ph.D. Candidate	Tensile Properties of Loblolly Pine Strands Using Digital Image Correlation and Stochastic Finite Element Method
April 4	Braden White M.S. Candidate	Verification of Finite Element Model Estimates of Wooden Pallet Performance
April 11	Angela Zhou M.S. Candidate	Nano-coating on wood veneers for adhesion and durability
April 18	Ji Youn Yoo M.S. Candidate	Quantitative Analysis of the Static Stress Distributions across Pallet Decks for the Unit Loads of Selected Packaged Product Forms and Stacking Patterns
April 25	Garrett Norman M.S. Candidate	Just-In-Time Manufacturing System Design for Rough Mill Systems: A Case Study

April 30 classes end

For more information please contact the department at 540/231-8853





















