COLLEGE OF NATURAL RESOURCES AND ENVIRONMENT
SUSTAINABLE BIOMATERIALS
VIRGINIA TECH

CENTER FOR PACKAGING AND UNIT LOAD DESIGN

WOOD PALLET DESIGN AND PERFORMANCE

APRIL 30TH -MAY 2ND, 2024

Course Partner:

National Wooden Pallet & Container Association
Pallets Move the World®
palletcentral.com

Short Course Summary:

The Pallet Design and Performance course is offered in collaboration with the National Wooden Pallet and Container Association. This unique 2.5-day course will inform attendees about the advanced principles of pallet design, how to conduct materials handling audits, the basics of packaging and pallet design, as well as material handling systems.

Attendees will learn about the interactions between material handling equipment, packaging and pallets as well as how to go about diagnosing and solving material handling problems.

While this course is designed to be delivered in person, there will also be a virtual attendance option with live participation.

WHO SHOULD ATTEND?

The target audiences of this course are pallet designers and engineers that seek:

- to learn how to design cost-efficient wooden pallets
- to use the PDS software to design both stringer and block class pallets
- to learn the principles of load bridging and how to use it to reduce pallet cost

TOPICS COVERED:

- Fundamentals of wooden pallet design
- Design and performance of stringer class pallets
- Design and performance of block class pallets
- Pallet interaction with material handling equipment
- Fundamentals of load bridging
- The effect of pallet design on performance
- Pallet design for sheet goods
- Material handling audits
- Laboratory testing

WANT TO KNOW MORE?
Contact Dr. Laszlo Horvath, Director and Associate Professor
unitload@vt.edu | 540-231-7107

unitload.vt.edu

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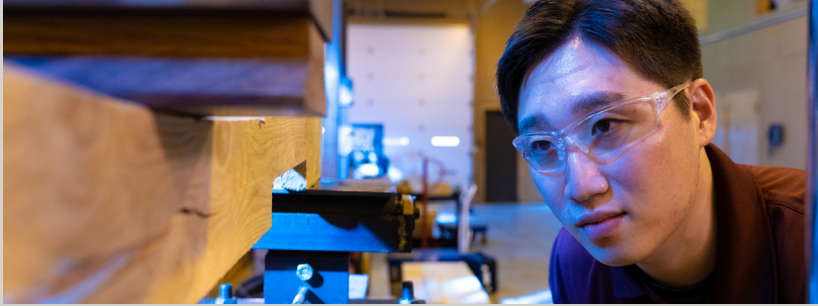

PALLET DESIGN AND PERFORMANCE

APRIL 30TH - MAY 2ND, 2024

INSTRUCTORS:

DR. LASZLO HORVATH

Associate Professor, Virginia Tech
Director, Center for Packaging
and Unit Load Design

In 2010, Dr. Horvath received his Ph.D. in Forest Biomaterials from NC State. He is one of the few packaging professionals who have received the "ISTA CPLP - Professional Level" certification. He is the chair of the ASTM D1185 working group, a U.S. delegate of TC 51, and a voting member of ANSI MH1 and MH 10 committees.

DR. BRAD GETHING

Vice President, National Wood Pallet
and Container Association

Brad Gething became a member of the NWPCA staff in July 2013, taking on the role of Technical and PDS Manager. Brad's role includes participation in various standards bodies, promotion of research and development, and support on other technical issues related to the wood packaging industry. He also serves as a point of contact for PDS design support.

MS. KRISTEN DELACK

Professional Engineer, National Wood Pallet
and Container Association

Kristen DeLack, a Virginia Tech alumna, is a 25-year veteran Structural Engineer who joined NWPCA in 2016. She is a licensed Professional Engineer in Texas and Virginia. Prior to joining NWPCA, Kristen, worked in the offshore oil and gas industry. During this time, she developed design and analysis software tools that helped engineers around the world efficiently design and build safe subsea structures. She is widely recognized as an expert in finite element analysis, which serves as the backbone for calculations performed by PDS.

COST:

Registration costs are the same for both in-person and virtual attendance of this short course. All attendees will participate in 2.5-days of lectures, laboratory tours, and coursework. Breakfast will be served (all three mornings) and there will be lunch breaks and multiple daily snack breaks. Participants will receive a certificate of completion after successfully finishing the course.

Public Attendee:
$1,456.00

CPULD & NWPCA Member
(50% discount):
$728.00

TIME:

Tuesday, April 30th, 8am - 5pm
Wednesday, May 1st, 8am - 5pm
Thursday, May 2nd, 8am - 12pm

LOCATION:

Brooks Forest Products Center
Virginia Tech, MC 0503
1650 Research Center Drive
Blacksburg, VA 24061

TO REGISTER:

Visit: unitload.vt.edu/wpdp
Or call: Erich Sawyer at 540-231-4084

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