Workshop Background

The workshop is packed with valuable and important information for kiln operators and managers. The variety and quality of the information make this a must attend event. The workshop will focus on drying systems, controlling lumber quality, species specific drying, wood structure and drying science. Over twenty breakout topics will be covered to help you maintain a successful kiln operation.

This fast-paced workshop will include several lab exercises to apply concepts taught in the classroom.

Who Should Attend?

Kiln Operators, Purchasers, Sales Representatives, Production Supervisors, Plant Managers and others who deal with wood moisture related issues

Location

Northcentral Technical College Antigo Campus Wood Technology Center of Excellence 312 Forrest Avenue, Antigo, Wis., 54409



Agenda

Monday, August 5 8:00 a.m. – 5:00 p.m. Wood Structure & Drying Science

- · The Drying Operation
- · Structure of Wood as it Relates to Drying
- · Determining the Moisture Content of Wood
- The Use of Kiln Samples
- · Wood-Moisture Relations and Shrinkage
- · The Effective Use of Moisture Meters
- Kiln Operation Exercise
- Causes and Control of Sticker Stain, Fungal Stain and Chemical Stain in Lumber Drying

Tuesday, August 6 Drying Systems

- 8:00 a.m. 5:00 p.m.
- Relationship Between Relative Humidity, Temperature and Equilibrium Moisture Content of Wood
- Lumber Stacking, Air Drying, Shed Drying and Pre-drying
- · Dry Kiln Instrumentation and Control
- Kiln Buildings and Equipment
- Kiln Operation Exercise
- · Small Scale Dehumidification and Solar Drying

Wednesday, August 7 8:00 a.m. – 5:00 p.m. Controlling Lumber Quality

- Kiln Schedules: Development, Modification and Use
- · Equalizing and Conditioning Treatments
- · Drying Stresses and Defects
- · Kiln Operation Exercise
- · Effect of Air Velocity on Drying
- · Quality Drying Q&A Session

Thursday, August 8 8:00 am - 12:00 p.m. Species Specific Quality Drying

- Drying Oak
- Drying Maple and other White Woods
- Drying Mixed Species
- Final Kiln Operation Exercise
- Wrap-up and Presentation of Certificates

Speaker Lineup

Travis Allen

Instructor, Wood Technology, Northcentral Technical College

Thom Brown

Sales Representative SII Dry Kilns

Dr. Eugene Wengert

Emeritus Professor, Wood Processing, University of Wisconsin-Madison President, The Wood Doctor's Rx, LLC

Robert Pope

Sales Representative, USNR Irvington-Moore

Dr. Scott Bowe

Professor, Wood Products Specialist, University of Wisconsin-Madison

Registration Form

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Name	First Name	Middle Initial
et Address	City	State Zip code
ne Phone ()	Birthdate/_	Email Address
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ial Security Number	or Student ID Number_	
e/Ethnicity: American Indian, A	sian, Black, not Hispanic,Hispanic,	e/Ethnicity:American Indian,Asian,Black, not Hispanic,Hispanic,White,not Hispanic,Native Hawaiian/other Pacific Islander

Mail registration form with payment to: Northcentral Technical College, Attn: Continuing Education, 1000 W. Campus Drive, Wausau, WI 5440

Registration Information

\$400 for Great Lakes Kiln Drying Association Members \$450 for Non-Members

Fees include workshop materials, light morning refreshments, a group dinner on Tuesday evening and a pizza dinner on Wednesday night.

How to Register

Mail

Send check or money order with completed registration form to: Northcentral Technical College Attn: Registration 1000 W. Campus Drive Wausau, WI 54401

715.301.2592 Fax your completed registration form with your MasterCard/ Visa/Discover account information.

Online

www.ntc.edu/ce/ conferences

715.675.3331, option 1 Toll free 888.682.7144,

For More Information

Contact Continuing Education at 715.803.1861 or 888.682.7144, Ext.1861 or ce@ntc.edu

Hotel Information

Super 8 Hotel 715.623.4188 535 Century Avenue, Antigo

A room with two queen beds and light housekeeping services during the week. A full breakfast consisting of cereal, breakfast sandwiches, oatmeal and pastries is provided.

Holiday Inn Express 715.627.7500 2407 Neva Road, Antigo

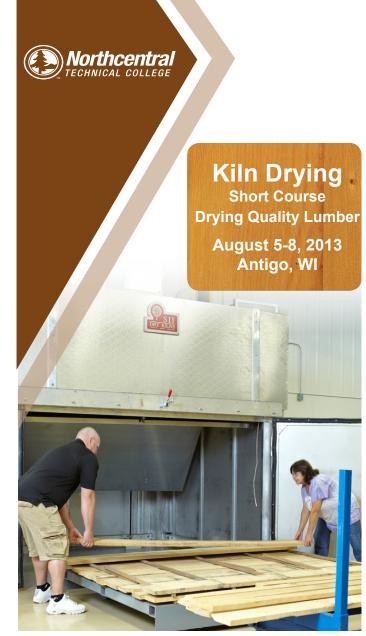
A full hot breakfast plus cereal, fruits and pastries is provided.

For either option, call the hotel directly and ask for the Great Lakes Kiln Drying Association rate. 3512 Northcentral

Non-profit Org. U.S. Postage **PAID** Permit No. 578 Wausau, WI

Kiln Drying NTC Antigo Campus August 5-8,

RETURN SERVICE REQUESTED







Presented by Northcentral Technical College and The Great Lakes Kiln Drying Association