



# Ohio Valley Lumber Drying Association

## About the Speakers

### Dr. Rado Gazo

Rado Gazo, PhD is a Professor of Wood Processing and Industrial Engineering at Purdue University. Wood Research Laboratory at Purdue University in West Lafayette, Indiana, USA. He teaches several classes including *Properties of Wood, Secondary Wood Products Manufacturing and Furniture Design for CNC*. When not in a classroom, he conducts research and technology transfer in value-added wood products manufacturing and industrial engineering areas. He often works as a consultant to furniture companies.

Rado has worked with over 150 companies, authored and co-authored over 60 successful proposals for grants and contracts, totaling \$6.5 million. He has given more than 150 professional presentations on the subject of secondary wood products manufacturing.

Rado is an active member of his professional societies. He served for many years as a chair of the Ohio Valley Section and board of director of the Forest Products Society and Society of Woos Science and Technology.

### Dr. Gene Wengert

Gene Wengert, extension specialist at Virginia Tech and the University of Wisconsin-Madison, as well as a researcher at the US Forest Products Lab has been teaching, researching and practicing lumber drying for 50 years. He is known for his practical suggestions. He has written *Drying Hardwood Lumber* plus six other books.

### Bobby Ammerman

Bobby Ammerman is an Extension Associate Specialist in Forest Products with the University of Kentucky, Department of Forestry and Natural Resources. He holds a B.S. degree in Industrial Technology, where he specialized in Wood Products Manufacturing from Eastern KY University in 1990.

As a professional staff member of the Forestry Department at UK, Mr. Ammerman has authored and co-authored several publications and fact sheets related to machining and wood certification. He is a founding partner of The Center for Forest and Wood Certification and has functioned as the Chain of Custody Administrator for the Center's COC group certificate since its inception.

## Agenda

### Central Time Zone

#### Wednesday, November 6, 2019

**11:45 AM - 12:45 PM - Registration** (Holiday Inn Express Hotel & Suites-Kimball, TN)

**12:45 PM - 1:00 PM - Drive to Cardin**  
2534 Battlecreek Rd.  
South Pittsburg, TN 37380

**1:00 PM - Dr. Gene Wengert**, Drying Thick Oak

**2:15 PM - Dr. Rado Gazo**, Industrial applications of CT scanning hardwood trees, logs and automated grading of lumber.

**3:15 PM - Break**

**3:30 PM - Bobby Ammerman**, Machining Defects as they relate to lumber drying.

**4:30 PM - Stress Relief**

**5:30 PM - Dinner & Business Meeting of the OVLDA in the meeting room at Cardin.** (Cardin has graciously offered to host an Alligator BBQ and supply beverages for our meeting.)

**7:30 PM - Back at Hotel** (Stress Relief in Hospitality Suite)

#### Thursday, November 7, 2019

**8:00 AM - Leave Hotel and Drive to Cardin Forest Products**  
2534 Battlecreek Rd.  
South Pittsburg, TN 37380

**8:10 AM – 9:40 AM - Tour Cardin Forest Products**

**9:40 AM – 10:00 AM - Drive to Brown-Forman**  
46315 US-72  
Stevenson, AL 35772

**10:00 AM – 11:30 AM - Tour Brown-Forman**

**11:30 AM - Lunch at Sugars Ribs** (in Chattanooga, TN)

Registration Form: Fall 2019 Meeting, November 6&7, 2019,  
South Pittsburg, TN

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Company: \_\_\_\_\_ Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Daytime Phone: ( \_\_\_\_\_ ) \_\_\_\_\_ Email \_\_\_\_\_

*Please type or print clearly. If more than one person plans to attend, please copy this form and provide the above information for each person attending. Registration includes handouts, break refreshments, and dinner on*

*Wednesday, November 6, 2019*

**Registration Deadline is November 1, 2019 (Late registration add \$20.00)**

Registration Fee: **\$ 60.00** per person

Please make checks payable to: Ohio Valley Lumber Drying Association

Send To: Bobby Ammerman  
University of Kentucky  
Department of Forestry  
130 Robinson Road  
Jackson, KY 41339

## About the Tours:

### Cardin Forest Products

2534 Battlecreek Rd  
South Pittsburg, TN 37380

Cardin Forest Products history began in 1936 when Bill Cardin started a mobile mill in the Appalachian region. In the early 1970s his mill became stationary in South Pittsburg, TN. In 1989 his son, Mike Cardin, and his wife Ruth purchased the business and established Cardin Forest Products LLC. At that time the mill employed five people and produced 8,000 board feet of lumber per day but quickly increased.

In 1999 the decision to convert from the circle saw to band mill led to the construction of the new mill on 113 acres which began operation in 2002. The conversion over to a band saw mill, the new construction, and the addition of the most modern technology has increased production to over 100,000 board feet of lumber per day. This has allowed for more job opportunities and propelled Cardin Forest Products to one of the top ranking hardwood producers in the United States.

Early 2015, the addition of six new computerized 80,000 board feet dry kilns opened the business to customers worldwide. Production is at a company high, and growing exponentially. The dry kilns have broadened the consumer base, providing lumber to be exported worldwide. This rapid growth recently has led to the installment of two additional 80,000 board feet kilns in 2016.



**CARDIN**  
FOREST PRODUCTS, LLC

## About the Tours:

### Brown-Forman Cooperage

46315 US-72  
Stevenson, AL 35772

Founded in 1870 by George Garvin Brown, a young pharmaceuticals salesman in Louisville, KY. George passes away in 1901 and in 1917 his son Owsley takes over as President.

In 1933 Owsley and other prominent figures in the industry organize what later becomes the Distilled Spirits Council of the United States (DISCUS), the trade organization instrumental in educating the public on the responsible use of beverage alcohol. In 2016, Brown-Forman celebrated 70 years of barrel-making excellence. Brown-Forman is the only major spirits company to own and operate a new whiskey barrel-making facility, making more than 2,500 barrels per day.

Today, Brown-Forman employs more than 4,600 people worldwide with about 1,300 located in Louisville. Brown-Forman, one of the largest American-owned spirits and wine companies, to sell its brands in countries around the world and has offices in cities across the globe. In all, Brown-Forman has more than 25 brands in its portfolio of wines and spirits.



**BROWN-FORMAN**

### Hotel Reservations and Meals

A small block of rooms has been reserved on a first come basis at Holiday Inn Express Hotel & Suites. The room block will be released on **October 23rd**. Reservations can be made by calling the Holiday Inn Express Hotel & Suites (reduced rate of **\$85.00+tax** per night for the block) at 423-837-1500.

Please use the group code **Lumber Drying**.

Snacks during the break and dinner during the business meeting Wednesday night will be provided. Breakfast is provided by the hotel as part of your reservation.



OHIO VALLEY LUMBER DRYING ASSOCIATION &  
SOUTHEASTERN DRY KILN CLUB

## Presents



## Fall 2019 Joint Meeting

November 6-7, 2019

### Holiday Inn Express Hotel & Suites- Kimball, TN

300 Battlecreek Road

Kimball, TN 37380

423-837-1500

### Tours:

Cardin Forest Products  
Brown-Forman Cooperage

### Sponsors:

University of Kentucky Forestry Extension  
North Carolina State Wood Products Extension  
University of Tennessee Department of Forestry,  
Wildlife and Fisheries  
Purdue University Department of Forestry and  
Natural Resources