

## Registration

### Workshop Fee:

- \$475.00 per person for registrations received by December 19, 2016
- \$525.00 per person for registrations received after December 19, 2016
- If you are registering more than one person from the same organization, the rate is:
  - \$475.00-1<sup>st</sup> person; \$450.00 each subsequent registration (by December 19, 2016);
  - \$525-1<sup>st</sup> person; \$500 for each subsequent registration (after December 19, 2016).

Registration includes: breakfast, lunch, afternoon break, dinner on Monday, parking, and workshop materials.

For more information and to register, please visit [www.esf.edu/outreach/kiln](http://www.esf.edu/outreach/kiln). Your registration will be processed immediately and securely. We accept payment by MasterCard or Visa, purchase order/voucher or check.

If paying with a purchase order/voucher or check, an invoice will be included with the registrant's email confirmation.

Checks made payable to **SUNY Research Foundation** should be mailed along with a copy of your email confirmation to:

ESF Outreach  
ATTN: Sean Nicholson  
1 Forestry Drive, 235 Gateway Center  
Syracuse, NY 13210

Registration questions: Sean Nicholson: (315) 470-4882/6817 or [scnichol@esf.edu](mailto:scnichol@esf.edu)

Program questions: Bill Smith (315) 470-6832 or [wbsmith@esf.edu](mailto:wbsmith@esf.edu)

### Our Payment and Cancellation Policy:

- If you have a balance due, please be prepared to make your payment at check-in. We will accept a check (made payable to **SUNY Research Foundation**), Visa or MasterCard.
- If you are using a purchase order or voucher, you will be asked to provide Visa or MasterCard account information to hold. If payment is not received by February 6, 2017, your credit card will be charged the appropriate fee.

Refunds for a cancellation (minus a \$50 administrative fee) will only be issued to participants who provide written notice to Sean Nicholson ([scnichol@esf.edu](mailto:scnichol@esf.edu)) by **Monday, December 26, 2016**. Cancellations will not be accepted by phone. No refunds will be issued after that date. Substitutions are permissible at any time by modifying your registration (refer to email confirmation).

## 2017 KILN DRYING WORKSHOP



State University of New York  
College of Environmental Science and Forestry



**Phone:** (315) 470-6817

ESF Outreach  
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235 Gateway Center  
Syracuse, NY 13210

[www.esf.edu/outreach/kiln](http://www.esf.edu/outreach/kiln)

## 2017 KILN DRYING WORKSHOP

**January 9-12, 2017**  
**SUNY-ESF**  
**Syracuse, NY**



**This workshop is sponsored by the State University of New York College of Environmental Science and Forestry, in cooperation with the New England Kiln Drying Association**

# AGENDA

## Monday, January 9

**9:00 Check-in and Continental Breakfast**

**9:30 Wood and Drying Fundamentals**  
(Importance of Kiln Drying; Wood-Water Relations; Wood Structure, Anatomy and Properties; Moisture Determination)

**12:00 Lunch**

**1:00 Wood and Drying Fundamentals**  
(Moisture Meters and Their Effective Use; Wood Shrinkage; Drying Degradation; Kiln Drying Specifications; Lab Exercise – Kiln Operation)

**5:00 Dinner (Dinosaur BBQ)**

## Tuesday, January 10

**8:00 Continental Breakfast**

**8:15 Managing Drying Operations**  
(Managing Wood Drying Operations; Air and Predrying; Kiln Instrumentation; Controlling Kiln Operation)

**12:00 Lunch**

**1:00 Managing Drying Operations**  
(Steam Basics and Utilization; Kiln Types – Steam, Dehumidification, Direct Fire, Vacuum; Preparation for Drying; Lab Exercise- Kiln Operation)

**5:00 Dinner on your own**

## Wednesday, January 11

**8:00 Continental Breakfast**

**8:15 Drying Kiln Operation and Maintenance**  
(Kiln Schedules: Use and Modification; Kiln Start-Up Procedures; Dry Kiln Operation - Controllers, Mechanical Components, and Maintenance; Dehumidification Kiln Drying)

**12:00 Lunch**

**1:00 Drying Kiln Operation and Maintenance**  
(Safety and Health Issues; Lumber Stacking and Kiln Loading; Drying Maple and White Woods; Drying Oak and Related Hardwoods; Drying Pine; Lab Exercise – Kiln Operation, Sample Monitoring, Schedule Modification)

**5:00 Dinner on your own**

## Thursday, January 12

**8:00 Continental Breakfast**

**8:15 Lumber Quality**  
(Equalizing; Drying Stress Development and Conditioning; Wood Decay, Fungi, Stain and Mold; Effect of Air Velocity on Drying; Control of Warp, Checking, Splitting, Honeycomb)

**12:00 Lunch**

**1:00 Lumber Quality**  
(Statistical Process Control – Kiln, Lumber, and Moisture Sampling; Lumber Storage and Moisture Control; Redrying Wetted Lumber; Conserving Energy in Kiln Operations; Wood Resource Issues)

**3:30 Workshop Concludes**

## Instructors (Tentative):

**Dr. William Smith**, Program Chair; Professor of Sustainable Construction Management and Engineering and Director of Wood Utilization Service, SUNY-ESF

**Dr. Susan Anagnost**, Chair and Associate Professor of Sustainable Construction Management and Engineering, SUNY-ESF

**Scott Herl**, Partner & Engineering Director, HerLine Technologies

**Tom Johel**, President, U\*C Coatings Corporation

**Robert Pope**, Sales Representative, USNR Irvington-Moore

**Peter Sformo**, Loss Prevention Consultant, W.J. Cox Associates, Inc.

*As the economy improves, are you ready to supply the market with the best quality kiln dried lumber?*

*Do you want better control of your drying and quality cost?*

*Can you improve and better manage your drying and lumber handling options?*

*This workshop will provide practical knowledge about how wood is effectively kiln dried and the scientific background to related wood properties and drying processes. The instruction and topics will be of interest and great value for novice and experienced kiln operators, as well as yard, sales, purchasing, marketing, and manufacturing managers. University professors and various industry experts will instruct in the classroom and through hands-on lab exercises using our modern kiln.*

## Lodging:

*Reduced rates have been negotiated for the following hotels based on availability and must be made directly to the hotel at least 30 days prior to the Workshop.*

**Genesee Grande Hotel** – 1060 East Genesee St., Syr., NY  
Mention SUNY-ESF Kiln Drying room block  
Phone reservations: 315-476-4212

**Crowne Plaza Syracuse** – 701 East Genesee St., Syr., NY  
Mention SUNY-ESF Rate  
Phone reservations through Michael Greer: 315-703-1917

*There are other hotels in the area, but those listed above are the closest to campus.*