

# SPC: PATH TO QUALITY IN WOOD PRODUCTS MANUFACTURING

*Learn the Tools for Real  
World Applications*

*April 24-25, 2006  
Portland, Oregon*



**Presented by**  
**The Willamette Valley Chapter of  
Forest Products Society**  
**Oregon Wood Innovation Center of  
Oregon State University**

**Sponsored by**  
**PNW Section of Forest Products Society**  
**TECO Corporation**  
**Western Wood Products Association**

## **ABOUT THIS WORKSHOP**

This two-day Statistical Process Control Workshop provides the knowledge necessary to evaluate and improve your wood products operations using the tools of Statistical Process Control (SPC). Applying SPC and other modern quality management techniques can make product quality a priority through all levels of wood products processing.

## **ARRANGEMENTS**

The workshop will be held at the Marriott Hotel Portland Downtown Waterfront. A block of rooms has been reserved at special rates for workshop participants at the Marriott Hotel. The rate for a single/double is \$98 per night tax not included. To make a reservation, call (503) 226-7600 by April 3, 2006. Participants are responsible for their own motel accommodations.

## **FEE AND REGISTRATION**

The registration fee is \$445 for Forest Products Society members and \$495 for non-members. The fee to attend the workshop and become a member of the Forest Products Society is \$570 (a savings of \$50 over non-member registration and membership). The cost for booth space is \$100. The registration fee includes the cost of instruction; a complete set of notes; a CD containing SPC templates in Excel; wood-shrink-swell software; the USDA Wood Handbook; refreshments during breaks; and lunch for both days. To enroll, please (1) complete and return the attached registration form with the fee as soon as possible, or (2) contact the Conference Coordinator at the Forestry Outreach Education Office at (541) 737-2329, or (3) register through the web at: <http://outreach.forestry.oregonstate.edu/spc/>.

## **INFORMATION**

For more information contact:  
Conference Coordinator, Forestry Outreach Education Office, Oregon State University, 202 Peavy Hall, Corvallis, OR 97331-5707  
Tel: (541) 737-2329 - Fax: (541) 737-4966  
[forestry.outreach.education@oregonstate.edu](mailto:forestry.outreach.education@oregonstate.edu)  
<http://outreach.forestry.oregonstate.edu/>

## WHO SHOULD ATTEND

Production managers, quality control personnel, quality assurance personnel, and others interested and responsible for establishing and maintaining an environment of process and product quality.

## SCHEDULE

### Monday, April 24, 2006

- Registration (7:00-8:15 a.m.)
- Welcome (8:30 a.m.)
- Tool bag of tricks - how SPC fits in with other quality tools and techniques
- Basic statistics
- Wood variability & SPC - blaming good wood for bad things
- Saying it with data
- Data collection and sampling
- Tools of SPC
- Vendor display and reception (5:00 - 7:00 p.m.)

### Tuesday, April 25, 2006

- Program starts (8:30 a.m.)
- Process mapping
- So many charts to choose from - which one should I use?
- Constructing and interpreting charts
  - Part 1 - Variables
  - Part 2 - Attributes
  - Part 3 - Special topics
- Process capability - where do customer expectations fit into SPC?
- Are you in control but not capable?
- Acceptance sampling - does garbage in equal garbage out?
- Six sigma - what's the buzz?
- How to start an SPC program
- How to keep an SPC program alive (care and feeding of SPC)
- How to measure success (benchmarking)

## THE PRESENTERS

**Scott Leavengood**, Oregon State University, Oregon Wood Innovation Center  
**Charles Brunner**, Oregon State University, Wood Science & Engineering Department  
**Jim Funck**, Oregon State University, Wood Science & Engineering Department  
**Jim Reeb**, Oregon State University, Wood Science & Engineering Department  
**Victoria Hawley**, Process Flow Specialists, Inc  
**Diane Daley**, St. Helens Veneer, Boise Building Solutions  
**Invited Industry Speakers**, TBA

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### REGISTRATION FORM

Name \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Country \_\_\_\_\_  
Telephone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

**PAYMENT:** ☐ Check enclosed **MAKE CHECK PAYABLE TO: (IN U.S. DOLLARS, PLEASE) OSU COLLEGE OF FORESTRY**

Charge to: ☐ Visa ☐ Mastercard Account # \_\_\_\_\_

Name as it appears on card \_\_\_\_\_ Telephone: \_\_\_\_\_

Expiration Date \_\_\_\_\_

**Mail to: Conference Coordinator, College of Forestry, 202 Peavy Hall,  
Oregon State University, Corvallis, OR 97331-5707 - Tel (541) 737- 2329  
Fax (541) 737-4966**

### Please check your registration selection:

- ☐ \$445 Member
- ☐ \$495 Non-Member
- ☐ \$570 Forest Products  
Society Membership  
& Registration  
(Savings of \$50)
- ☐ \$100 Vendor Table  
Display