2012 PANEL & ENGINEERED LUMBER INTERNATIONAL CONFERENCE & EXPO™

March 1-2, 2012 • Omni Hotel at CNN Center • Atlanta, GA, USA

FRIDAY, MARCH 2, 2012

A Focus on Improved Productivity and Efficiency: Variation and Target Size Reductions Using Statistical Process Control

—Timothy Young, Ph.D., Professor, University of Tennessee

Cost: $249.00

Includes: four hour workshop on March 2 plus continental breakfast with PELICE conference, attendance at PELICE keynoters morning session, buffet lunch with PELICE conference.

WORKSHOP DESCRIPTION:

A Focus on Improved Productivity and Efficiency
Variation and Target Size Reduction Using Statistical Process Control

Presented by Timothy M. Young, Ph.D.
Professor, University of Tennessee Center for Renewable Carbon

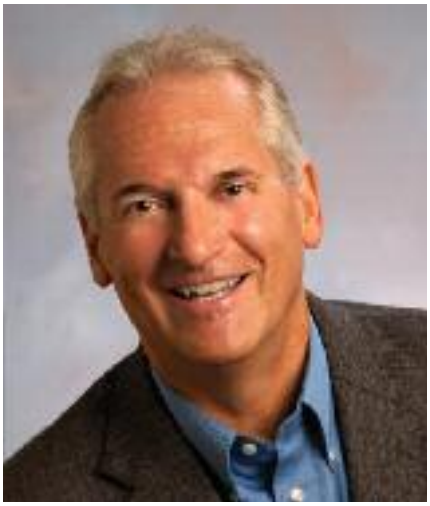
This four-hour training course provides a comprehensive overview of the principles and analysis techniques for effective statistical process control.

Statistical Process Control (SPC) is a general term that applies practical statistical methods to manufacturing processes with the goal of variation reduction and improved productivity. The training course is "practical" in that it focuses on variation reduction and target size reduction of key process variables, e*.g., weight, thickness, resin usage, line speed, cycle time, etc.* The emphasis is on improved productivity and enhanced business performance.

A barrier to target size reduction and cost savings is not quantifying sources of variation. A key question posed to the participants is: *How will you reduce variation unless you first quantify variation?* The benefit of SPC is that it allows process and product variation for key business elements to be quantified. A key outcome of the course is direct and immediate implementation of SPC at participants' manufacturing sites. Instruction modules will include capability analysis, statistical tolerancing, costing variation, process sampling, and the seven key tools for effective process improvement.

The course requires no prior knowledge of SPC or statistics. Candidates participate in hands on activities and material presented is based on real world process scenarios in the forest and bio-based products industries. The course is designed for plant managers, production managers, technical directors, quality managers, supervisors and operators. The course has an easy to understand text which helps ensure a comfortable pace and enjoyable learning experience for the participant.

Who Is Timothy Young?



Timothy Young is a Professor in the Center for Renewable Carbon at the University of Tennessee. He has a Ph.D. in Natural Resources (concentration Statistics) from The University of Tennessee. He also has a M.S. in Statistics from the University of Tennessee and M.S. (Forest Economics) and B.S. (Forestry) from the University of Wisconsin. He teaches highly successful workshops and courses in the principles of continuous improvement and industrial statistical methods for industry personnel in the bio-based products industry. From 2007 to 2011 he has been an invited lecturer at Salzburg University of Applied Sciences, Kuchl, Austria, teaching undergraduate and graduate students in the principles of statistical process control.

Professor Young has more than 165 scientific publications. He has been an invited speaker at professional meetings in Austria, Canada, China, Ireland, New Zealand, Wales and USA, seven presentations which were keynote addresses. He has four years of manufacturing experience with Georgia-Pacific Corporation. He has extensive grants and contracts from the private sector and the U.S. Department of Agriculture. His current areas of research include process analytics of cellulose-based systems, real-time statistical process control, statistical reliability analysis, and decision tree machine intelligence.

Professor Young is currently Vice President of the Forest Products Society. He is former chairman of the Process Control and Quality Control Technical Interest Group of the Forest Products Society (FPS), former president of the Mid-South Section of the FPS, former Chair of the International FPS meeting of 2007, and a member of the American Society of Quality, and the American Statistical Association.

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