



2016 NCATC Summer Workshop

Innovation in Workforce Development: Building the 21st-Century Talent Pipeline



Hosted by

SCHEDULE AT A GLANCE

WEDNESDAY, JUNE 8, 2016

- 1:00 –6:00 P.M. Registration at MeadowView Conference Resort and Convention Center, Kingsport, TN
- 1:00–5:00 Preconference Workshop
- 6:00–8:00 Welcome Reception, Fieldstone Cellar at MeadowView

THURSDAY, JUNE 9, 2016

- 7:50 A.M. Depart for NeSCC ATC – RCAM
- 8:00–9:00 Registration and Breakfast
- 8:45–9:00 Welcome – Dr. Janice Gilliam, President, NeSCC
- 9:00–10:00 Concurrent Sessions
- 10:00–10:30 Break – Visit with Exhibitors
- 10:30–11:30 Concurrent Sessions
- 11:45–1:00 Lunch and Keynote – Eastman
- 1:15–2:15 Plenary Session: Design Thinking – Innovation in Modern Manufacturing
- 2:30 Industry Tours – Choose one of three (pre-registration): Eastman, Domtar, AO Smith
- 6:00–8:30 Dinner and Keynote – Bell Helicopter
- 8:45 Depart for Hotel

FRIDAY, JUNE 10, 2016

- 7:50 A.M. Depart for NeSCC ATC – RCAM
- 8:00–9:00 Breakfast and Keynote – Jeff Fleming, City of Kingsport
- 9:00–11:45 Panel Session: “Demystifying Apprenticeships” RCAM Tour
- 11:45–12:30 Depart for Hotel then Airport

Preconference Workshop

Exploring Process Control in Modern Chemical Manufacturing (Wednesday, 1:00–5:00 P.M.)

RCAM staff will lead participants on a survey of industrial process control used in modern chemical manufacturing. Participants will gain an understanding of how chemicals are safely manufactured, and receive hands-on experience using modern control systems. Participants will also explore training plans needed to train operations and maintenance personnel for 21st-century chemical manufacturing.

Plenary Session

Design Thinking—Innovation in Modern Manufacturing (Thursday, 1:15 P.M.)

Bryan Shackelford, Eastman Innovation Representative, will discuss the use of Design Thinking principles in the process of modern manufacturing and how innovation is essential to compete in the global marketplace.

Concurrent Sessions

Engaging Your Chamber of Commerce in Workforce Development

How can your chamber of commerce help you? **Nicole Austin** of the Kingsport Chamber of Commerce will present innovative solutions and partnership programs to build the 21st-century workforce. These programs reach thousands of students each year to address career pathways decisions.

NeSCC Career Academies

NeSCC will discuss the multiple programs of study offered to high school students for earning dual enrollment credit in advanced technologies career fields. The Career Academy is program focused, offering specific curricular patterns with an expected credentialed outcome. NeSCC has worked to define multiple pathways for students wishing to pursue opportunities in advanced manufacturing and other programs of study.

Journey to Certifications—AWS & NIMS

Dr. **Sam Rowell**, NeSCC Dean of Advanced Technologies, and other staff members will present an overview of the journey to becoming a certification center for industry recognized credentials.

Educational Partnerships

Learn from **Tanya Foreman** of Eastman how to involve manufacturers in the education process and use mentoring and outreach programs to drive innovation in education.

Economic Development Partnerships

Clay Walker of Networks Sullivan Partnership will discuss the importance of community colleges and advanced technology centers in the economic development process. Participants will leave with a better understanding of how the economic development process works, and how innovative community college programming adds value to the process.

Introduction to Process Control in Chemical Manufacturing

RCAM staff will introduce participants to process control used in chemical manufacturing. The staff will also discuss curriculum and hands-on activities used to train chemical operators and industrial maintenance mechanics.

Panel Session

Demystifying Apprenticeships (Friday, 9:00 A.M.)

Michael Stumpff (U.S. Dept. of Labor), **Laurey Conway** (Eastman), and **Jeff Frazier** (Northeast State/RCAM) will unpack apprenticeship programs and share useful information to aid community colleges and employers in the logistics of apprenticeship training. Currently RCAM hosts over 400 students seeking registered apprenticeship credentials using multiple program offerings.

Northeast State and RCAM

Industry Tours

EASTMAN Eastman is a global specialty chemical company that produces a broad range of products found in items people use every day. With a portfolio of specialty businesses, Eastman works with customers to deliver innovative products and solutions while maintaining a commitment to safety and sustainability. Its market-driven approaches take advantage of world-class technology platforms and leading positions in attractive end-markets such as transportation, building and construction, and consumables. Eastman focuses on creating consistent, superior value for all stakeholders. As a globally diverse company, Eastman serves customers in approximately 100 countries and had 2015 revenues of approximately \$9.6 billion. The company is headquartered in Kingsport, Tennessee, USA and employs approximately 15,000 people around the world.

AC Smith A. O. Smith Corporation is one of the world's leading manufacturers of residential and commercial water heaters and boilers, offering a comprehensive product line featuring the best-known brands in North America, China, and India. As a global leader A. O. Smith and its employees pride themselves on applying innovative technology and energy-efficient solutions to products marketed worldwide. The company's goal is to be a leading global water technology company, and our focus is on building this platform through new product development, global expansion, strategic acquisitions and partnerships.

Domtar We design, manufacture, market and distribute a wide variety of fiber-based products including communication papers, specialty and packaging papers and absorbent hygiene products. The foundation of our business is a network of world class wood fiber converting assets that produce paper grade, fluff and specialty pulp. We operate the following business segments: Pulp and Paper and Personal Care. We had revenues of \$5.6 billion in 2014, of which approximately 83% was from the Pulp and Paper segment and approximately 17% was from the Personal Care segment. The principle product of the Kingsport mill is copy paper, the majority of which is sheeted and packaged at our Ridgefields converting facility across town. In 2016, the Kingsport mill will be celebrating 100 years of operation.

Welcome to Northeast State and RCAM



Located in the Tri-Cities region of East Tennessee, Northeast State is a comprehensive two-year college that provides university-parallel programs designed for students desiring to transfer to other colleges or universities and career programs for students planning to enter the workforce immediately upon graduation.

Northeast State also offers continuing education and community service programs for professional growth and personal enrichment to the citizens of Carter, Johnson, Sullivan, Unicoi, and Washington Counties. Campuses located in Blountville, Bristol, Johnson City, Elizabethton, and Kingsport serve 7500 students annually.



Recognized as a model in the state of Tennessee, the Regional Center for Advanced Manufacturing (RCAM) is located in the Kingsport *Academic Village*, a center for higher education and workforce development in downtown Kingsport.

Branded as the advanced manufacturing outreach of Northeast State, RCAM hosts five signature programs offering students the opportunity to gain certificates and/or AAS degrees in Chemical Process Operations, Electrical Technology, Electromechanical Technology, Machine Tool, Welding/Metal Fabrication, and General Technology.

Using credit-based programs, RCAM hosts over 400 students seeking credentials in DOL-registered apprenticeship programs. Using creative programming and hybrid learning, these students are able to receive accredited certificates through the Tennessee Board of Regents as well as the DOL-registered apprenticeship completion.



RCAM is also the home of the Northeast State Office of Economic and Workforce Development. Under the banner of Workforce Solutions, the college offers continuing education using short-term solutions to meet workforce development and industry needs.

A major workforce development initiative of the RCAM is to host the Advanced Manufacturing Partnership (AMP). Established in 2008, the AMP has a strategy of supporting existing manufacturing training needs and developing a pipeline of skilled labor using student and community outreach and a support system for economic development.

Northeast State shares the vision of the NCATC and welcomes you to the beautiful Northeast Tennessee region. We hope you enjoy our hospitality and look forward to having you in the workshop.

Sincerely,
Janice H. Gilliam, Ed.D.
President



Register online at www.ncatc.org

33607 Seneca Drive
Cleveland, Ohio 44139

NCATC Summer Workshop
June 8–10, 2016
Northeast State and RCAM
Kingsport, Tennessee

Register Online Today!
www.ncatc.org

Registration Fees

	NCATC Members	Non-Members
Early-Bird (through 5/12/16)	\$295	\$395
Regular (5/13/16 and after)	\$345	\$445
Team Member	\$295	\$395
Preconference, Wed 6/8/16	\$89	\$129
Dinner Only, Thur 6/9/16	\$75	\$100
Exhibitor	\$395	\$550

NOTE: Any non-member attending at non-member rates may apply the difference of the higher fee paid to a new NCATC membership if their application is approved.

Workshop Hotel

MeadowView Marriott
1901 Meadowview Pkwy
Kingsport, TN 37660
423-578-6600



Conference rate \$129/night plus 16.5% tax (June 6–10, 2016), single/double occupancy, standard room. Complimentary parking and in-room Internet. Register at www.ncatc.org or call 800-228-9290 or 423-578-6600. Conference rate applies through 5:00 P.M., Monday, May 23, 2016.

Airport and Ground Transportation

The workshop will be held at Northeast State’s Regional Center for Advanced Manufacturing (RCAM) in Kingsport, TN. The MeadowView Marriott is also in Kingsport. Transportation will be provided between the Marriott, RCAM, industry tours, and other workshop events. The hotel is approximately 25 minutes from the Tri-Cities Airport (TRI), a full-service commercial airport in Blountville, TN, offering nonstop flights to four hubs (Atlanta, Charlotte, Orlando and Tampa/Clearwater-St. Petersburg) on Allegiant, Delta Connection, and American Airlines. MeadowView Marriott provides **shuttle service** to and from Tri-Cities Airport, \$20/person one way. Reserve at 423-578-6600. Travel time approximately 25 minutes.



Register online at www.ncatc.org