

Solutions in Process & Advanced Materials for Today's Composites Manufacturer

HURRY,
SPACE IS
LIMITED!

Presented by Composites One in Partnership with IACMI

April 5-6, 2016 • IACMI - The Composites Institute • Knoxville, Tennessee



Composites One, the Closed Mold Alliance, along with Magnum Venus Products, and The Institute for Advanced Composites Manufacturing Innovation (IACMI) invite you to attend Solutions in Process & Advanced Materials for Today's Composites Manufacturer! Space is limited, sign up for this FREE in-depth two-day course today.

WHAT YOU'LL SEE AND LEARN:

- Why Composites?
- Tradition Got Us Here - Products and Processes
- Building on Tradition with New Technologies
- Process Evolution
- Traditional and High Tech Tooling
- Live Customer Case Studies
- Equipping Yourself for Success
- IACMI Tour
- And More...

DETAILED
AGENDA ON
FOLLOWING
PAGE!

Register online at tinyurl.com/IACMI-Knoxville or call 847.871.1323



THE
COMPOSITES
INSTITUTE



Your Course Agenda

Tuesday, April 5: 8:00 AM - 5:00 PM

Wednesday, April 6: 8:00 AM - 3:00 PM

Agenda Topics

Why Composites?

What role can composites and advanced materials play in disruptive technology in today's manufacturing? Highlights benefits of composites over traditional materials using real world examples of where composites replaced traditional materials.

Tradition Got Us Here

This is an overview of the products and processes that we will use throughout the workshop. Reusable Bagging, Vacuum Infusion, Light Resin Transfer Molding and Out-of-Autoclave are featured.

Building on Tradition with New Technologies

We know that closed mold processes are ideal for composite materials. How do we align these processes with the attributes of today's advanced composites and high performance materials?

- **Epoxy Carbon Fiber Tutorial** - Overview of strength of carbon materials and design of carbon laminate structures, including spread tow carbon as well. (Session)
- **Traditional Over Cure Prepreg/Out-of-Autoclave** (Demonstration)
- **High Temperature Applications** (Session)
- **Quantum - Carbon SMC** (Demonstration)

The Process Evolution

Watch as we make parts using several different processes. Featuring processes like reusable bag molding, vacuum infusion light RTM, and standard RTM using advanced composites and high performance materials. (Session & Demonstration)

Traditional & High-Tech Tooling

Learn why making the right tooling decision and then using the right products to get it done is crucial to your long term success. We will cover traditional tooling, high-tech tooling, plugs, and how today's advanced materials are making better, longer lasting molds. (Session & Demonstration)

Equipping Yourself for Success

How you set up your shop is just as important as the materials that you use to make a part. Here you will learn about the latest technology in equipment and systems to make sure you are operating optimally.

Live Customer Case Studies

Listen as real world customers share with you their success stories using composites and high performance materials.

IACMI Tour

Get a glimpse into the world of IACMI and the goals they have to grow the use of composites over time. Also hear about their partnership with the ACMA CCT certification program.



TRAVEL

Solutions in Process & Advanced Materials for Today's Composites Manufacturer will be held at IACMI - The Composites Institute in Knoxville, TN, April 5-6, 2016. Travel arrangements should be made to fly in to McGhee Tyson Airport (TYS) in Knoxville, TN.

IACMI - The Composites Institute

2360 Cherahala Blvd.
Knoxville, TN 37932

Hotel Accommodations

IACMI is located in close proximity to Knoxville and Oak Ridge, both cities offer numerous hotel options.

Springhill Suites Knoxville at Turkey Creek

10955 Turkey Drive
Knoxville, TN 37934
865-966-8888

Homewood Suites by Hilton Knoxville West at Turkey Creek

10935 Turkey Drive
Knoxville, TN 37922
865-777-0375

REGISTRATION

Space Is Limited - Register Today To Secure Your Spot - Deadline March 28, 2016

To register for the course visit www.tinyurl.com/IACMI-Knoxville or complete the form below and email to rachel.menges@compositesone.com. For additional information contact Rachel Menges at 847.871.1323

Name: _____

Title: _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____ Country: _____

Email Address: _____

Phone Number: _____

Additional Attendees: _____

Oak Ridge is home to the Department of Energy's (DOE) Carbon Fiber Technology Facility (CFTF) (<https://www.ornl.gov/content/carbon-fiber-technology-facility>).

An optional tour of the CFTF will be provided immediately after the course concludes on Wednesday, April 6th at 3:00 p.m.

Please circle YES or NO if you are interested in participating.

Valid documentation required for all attendees. All attendees that are U.S. Citizens will need to bring valid proof of identification.

Foreign National attendees must register by March 7, 2016 in order to allow sufficient time to complete the approval process needed to visit the facility. More information on required documentation for foreign nationals is located on the ORNL website, http://web.ornl.gov/ornlhome/foreign_national.shtml