



surface
technologies

Aalberts University

MAY 12TH & 13TH, 2026

CANTON, OH

A two-day educational event intended for engineers, purchasing agents, and other professionals who could benefit from this expertise.

Aalberts will provide a catered lunch and dinner

Attendees are responsible for their own transportation and lodging.

Space is limited. Please contact Cynthia Crowley today at 734-744-9937

cynthia.crowley@aalberts-st.us

Metallurgy, metal casting and heat treatment are complex and technical subjects. The goal of this event is to provide education and inspiration in the areas of casting production and heat treatment of iron, steel, aluminum, super alloy and additive components.

Aalberts surface technologies is a global leader in metallurgical technology and training. The expert-level instructors at this seminar will help you to meet your operational goals. The agenda is as follows:

Night Before
6:00 PM Dinner at TBD
Day 1
8:00 AM Introduction - Logistics, history, participant introductions
9:00 AM Overview of Heat Treatment
BREAK
10:45 AM Ferrous Heat Treatment
LUNCH
1:00 PM Marquenching
2:00 PM 1 st half of Austempering 101 including cast iron and steel
2:30 PM Travel to Aalberts Plant
3:00 PM Tour of Aalberts Plant
6:00 PM Arrival, 6:15 Dinner at TBD
Day 2
8:00 AM 2 nd half of Austempering 101 including cast iron and steel
BREAK
11:00 AM Introduction to Design
LUNCH
1:00 PM Surface Treatments including nitriding and FNC
2:00 PM Heat Treatment of Aluminum
3:00 PM HIP

All education costs and materials will be covered by Aalberts surface technologies. In addition, Aalberts will provide lunches both days, as well as dinner the night before class and on the first night. Attendees are responsible for their own transportation and lodging.

Session location:

DoubleTree by Hilton | 320 Market Avenue S. | Canton, OH 44702 | 330-471-8000
The host hotel has offered us a discounted rate of \$130 which includes breakfast. Click here to book your room: <https://www.hilton.com/en/attend-my-event/aalbertsuniversityroomblock/>

Aalberts surface technologies location:

1381 RAFF RD SW - CANTON, OH 44710 | 330-478-0314

Additional area lodging:

TBD

Restaurants:

Mon. - RESTAURANT TBD
Tues. - RESTAURANT TBD

Note: Attendees are responsible for their own transportation to and from Aalberts surface technologies. Carpooling is encouraged.

INSTRUCTOR BIOGRAPHIES

Kathy L. Hayrynen, PhD, FASM - Kathy has a BS, MS and PhD in Metallurgical Engineering from Michigan Technological University. Her graduate work focused on production of ductile iron and ADI. Following a post-doctoral research position on Ausformed/Austempered Ductile, Kathy joined Aalberts surface technologies (Applied Process) companies in 1995. She is currently the Vice President of Research & Development. Kathy is well known in the Austempering world having authored and co-authored many papers on ADI and frequently speaks on said topics. She is a past Chair of the AFS Cast Iron Division, a former President of the Foundry Educational Foundation and a member of the AFS Research Board as well as the External Advisory Board for the Department of Materials Science & Engineering at Michigan Tech. Kathy has received several industry/academic honors including: an AFS Award of Scientific Merit, an AFS Ray H. Witt Management Award, the AFS Women in Metalcasting Award of Excellence, ASM Fellow, ASM Education Foundation George Roberts Award and induction into the MSE Academy at Michigan Tech. More recently, she received an AFS John H. Whiting Gold Medal for her exemplary work in cast iron research and standards, leadership in streamlining the AFS Cast Iron Division committee structure, as well as for advocacy and mentorship of students and women in metal casting. Kathy is a passionate advocate of STEM education and spends her spare time organizing an annual ASM Teachers' Materials Camp that enables high school and middle school teachers to offer materials-based education to their students.

Angella Sell - Angella received her BS and MS in Metallurgical Engineering from Missouri University of Science & Technology. After graduation Angella went to work in the ferrous foundry industry in eastern Ohio for five years. There she gained experience as a Plant Metallurgist, a Quality Engineer, and met her husband Dan. Angella joined Aalberts surface technologies (Applied Process) in 2015 as a Research and Development Engineer where she manages the lab and equipment, assists with cycle development, and provides technical support for plant production and customers. Angella is also the Chair of the AFS Cast Iron Research Committee.

Adam Pringle — Adam received his BS in Materials Science and Engineering from Michigan Technological University. Before joining industry, he spent seven years conducting additive manufacturing research across polymers, steels, aluminum, ceramics, and thin films. Adam joined Aalberts surface technologies in 2023 as a Quality Engineer supporting the Mt. Hope and Bassett Michigan facilities, transitioned to Production Manager in 2025 to support the Canton Ohio facility, and returned to Quality Manager in 2026 to continue supporting the Canton facility—giving him a comprehensive view of heat treatment operations from both production and quality perspectives. He is a certified internal auditor who manages and improves the facility's Quality Management System. Adam handles failure analysis, process development, APQP, and PPAP for customers, serving as primary contact for customer issues and technical guidance. He will be presenting on ferrous metals and aluminum heat treatment.



Aalberts University

Please return to
Cynthia Crowley at

cynthia.crowley@aalberts-st.us

(734) 744-9937

Name: _____

Title: _____

Company: _____

Address: _____

Phone #: _____

Email: _____

What industry do you work in: __casting __forging __extrusion __heat treat __machining

What materials do you work with: __cast iron __steel __aluminum __stainless steel/tool steel
__nickel-base alloy __titanium

Does your company use commercial or captive heat treatment? _____

Do you have a past, current, or upcoming project you'd like to discuss during the session?? If yes, please explain:

Attendance, please check all that apply:

Evening Before Class: Dinner Yes No

Day One: Class & Lunch Yes No

Day One: Dinner Yes No

Day Two: Class & Lunch Yes No

Aalberts surface technologies is a Defense Contractor and must know the citizenship status of all visitors. Please check the box which accurately describes your status (required):

United States Citizen Green Card Holder Visa

List type if applicable: _____

Please report any dietary restrictions, including food allergies: _____

We will do our best to accommodate you.

We reserve the right to publish photos on our website and social media sites.