



Aug 21

August 2025 - Durham Engineers Club Field Trip

Please join us for our monthly meeting.



Pendergraph Machines
3252 South Miami Blvd. Suite 150, Durham, NC 27703
[View on map](#)



Aug 21, 2025 06:00pm - Aug 21, 2025 07:00pm
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Register

Decline

Upcoming Meetings:

September 18, 2025

Engineering Ethics; David Evans

October 14, 2025

Annual Fundraising Golf Tournament

October 16, 2025

North Carolina 2050: Forecasting
Future Growth; Chuck Flink

December 4, 2025

Robotics Challenges; Space
Invaders FTC 19921

November 20, 2025

Charles Swannack: AI and the Real
World

January 15, 2026

Roman Engineering: Dr. Bill Hunt

February 19, 2026

Dan Lieberman: [Lessons Learned in
Large-Scale Civil Projects](#)

DUES ARE DUE!

Annual dues are \$40, and are
payable:

- Via meeting registration
- Via cash or check at a meeting
- Via check mailed to
Durham Engineers Club,
P.O. Box 1964, Durham
27702

**Starting in 2026, dues will be
\$50/year**

Job Opportunities



Photo by Duke

Mechanical Engineering Designs, Techniques, and Practices at Pendergraph Machines

by

Doug Pendergraph

Learn about the intricacies behind building a machine that must melt and cool product products to perfection before they are sorted, labeled, sealed.

Pendergraph Machines designs filling machines for lip balms and other hot melts, creams and scrubs. They can integrate conveyor and robotic systems, as well as labeling systems. The owner and lead design engineer, Doug Pendergraph, will be guiding us through his facility showing us their large deodorant line which consists of 7-9 smaller machines that include product

filling, capping, and labeling. This machine when it's fully assembled will take up the entire workshop. He will also show us a lip balm line.

Additionally, hear what the interns have to say about what they have learned along the way while working for Pendergraph Machines this summer!

Doug has become a leader in hotmelt machinery design and has developed proven techniques over the years that has had a huge impact on the industry. Not only are his machines functional and beautiful, they are fascinating to learn about and watch when in action! You'll never look at a deodorant stick or lip balm the same way again.

No personal protective equipment is required. Please, no sandals or open toed shoes.

Parking will be in the front of the building ([see map above](#)). The address is 3252 South Miami Blvd. Suite 150, Durham, NC 27703

Dear Fellow Professional:

Please consider this special invitation to attend a field trip on Thursday, August 21, 2025 from 6:00 - 7:00 PM. .

One (1.0) PDH will be provided, a terrific bargain! Please click on the "Register" link above, or decline if you are not able to attend. Feel free to forward this invitation to as many others as you would like using the link at the bottom of this e-mail.

If you do not wish to continue to receive event invitations from the Durham Engineers Club, please unsubscribe using the link at the bottom of this e-mail.

Please click on the link above to register. We look forward to seeing you at the meeting!

Sincerely,
René Johnson
Secretary, Durham Engineers Club
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919-215-3509