



**You're invited to the
2017 Fall-Refrigeration tour!**

Join your fellow ASHRAE members for a guided tour of:



Phononic

800 Capitola Drive
Durham, NC 27713

<https://www.phononic.com>

Phononic develops solid-state cooling and heating devices, such as coolers for vaccines. We last toured them in Feb 2015. During our previous tour they presented what they do: research, design, and manufacturer of solid-state cooling systems. After the brief introduction we enjoyed a walking tour of their research and development section, where the different real-application devices were being tried and tested. We were shown hyper-accurate refrigerators for vaccines and other temperature-sensitive medical supplies, cooling devices for computer CPUs, semiconductors, and optical systems.

Over 40 people attended our last tour of Phononic, all who were fascinated and intrigued by this different side to the "R" part of ASHRAE's Refrigeration. It introduced us to a different aspect of refrigeration which may eventually revolutionize cooling applications.

On November 2nd, we will get another look at this quickly developing field, and will tour their upgraded and updated their facilities. It should be an interesting tour!

After the tour, join the surviving explorers for additional research into cold technology, by gathering at a local pub for some cold beer. (It will also be a "YEA event"/social hour).

RSVP by registering on our website (no charge)

4:15-4:30 - Gather in the lobby

4:30 pm - Tour starts (SHARP)

5:30 pm - Tour ends (approximate)

Plenty of free parking at the tour.

To find us, look for the Triangle ASHRAE sign by their front door.

Gathering after the tour:

5:45-7 pm YEA Event/Social Engineering

Times are approximate, depending on tour duration.

Feel free to drop by anytime, even if you missed the tour.

Glass Jug Beer Lab

5410 NC-55, Durham, NC 27713

www.glass-jug.com

(about 3 minutes away from Phononic)