

## 2019 New England Regional Meeting Program – June 13, 2019

**9-9:30 AM Welcome Reception** – Science Atrium (Haberlin/Swords) Coffee and light snack

**9:30-10 AM Overview of ALPhA activities & conference schedule** – Haberlin 219 Lecture Hall  
Welcome and Introduction to ALPhA by Timothy Roach, College of the Holy Cross, New England Regional Director of ALPhA. Information about the Beyond the First Year (BFY) lab conference, the ALPhA Immersion program, and the Regional Conference program. Overview of today's events and logistics.

**10-12:30 PM ALPhA Networking Slam** – Haberlin 219 Lecture Hall

Each participant will have 3 minutes to introduce themselves and give a short overview of their advanced lab activities, interests, and dreams. There will be several breaks for follow up conversation and questions. Great time to take notes and follow up at lunch with anyone you would like to talk with further.

**12:30-1:30 PM Lunch** – 2<sup>nd</sup> floor Atrium Lunch provided.

**1:30-3:00 PM Workshops** - you will have a choice of one (Various Locations)

- *Using digital image sensors in the advanced lab* – Timothy Roach, College of the Holy Cross
- *Absorption vs scattering in liquid suspensions* – Sudha Swaminathan, Worcester State University
- *In-class microscopy labs for a biomedical imaging course* – Michael Durst, Middlebury College
- *Fourier analysis lab using acoustic resonance tubes and a digital oscilloscope* – Paul Oxley and Tom Narita, College of the Holy Cross
- *Decoding IR signals from a TV remote using a photosensor and microcontroller* – De-Ping Yang, College of the Holy Cross (Haberlin 125)

**3:00-4:30 PM Conference Talks** – Haberlin 219 Lecture Hall

- **3:00-3:30 PM** *From Advanced Labs in Optics, Fibers and Electronics to Photonics Labs* – Ed Deveney, Bridgewater State University.
- **3:30-4:00 PM** *Debye-Sears Measurement of the Speed of Sound in Water with Inexpensive 2 MHz Piezo Sources* – Frank Lamelas, Worcester State University
- **4:00-4:30 PM** *Upper-level Optics & Photonics labs: "looking under the hood" to understand modern photonic devices* – Rick Quimby, Worcester Polytechnic Institute.

**4:30-6:00 PM** Reception, Drinks, and Discussion