



# 2018 STEM Professional Development One-day Workshop Series

This year the Finger Lakes STEM Hub is offering a series of one-day STEM Educator Workshops. Participants will tour local companies that employ workers in some of the fastest growing STEM areas such as optics, advanced manufacturing, environment, software development, and other emerging industries.

Modeled after our successful week-long Summer STEM Institute, each STEM One-day Workshop will focus on a single STEM segment and include:

- an overview of a specific STEM area;
- discussion regarding of why its products are important;
- a hands-on real-world activity; and
- a tour of a modern company engaged in this STEM area.



STEM educators learn about semiconductor manufacturing at RIT's cleanroom facility

Each STEM Workshop will help educators relate the newest standards and lessons to real world applications and gain an understanding of how engineering design principles are applied in every day work. The tours will highlight not only a variety of careers, but help educators better understand the skills and training needed for students to be successful in these careers.



STEM educators gaining hands-on machining experience at MCC

## First Finger Lakes STEM PD Workshop

**Date:** Tuesday, July 24, 2018

**Focus & Business Tour:** Optical manufacturing & Optimax Corporation

**Description:** Educators will learn about the optics industry, learn about optical measurements, analyze a simple optical system, learn to set up optical manufacturing tools and begin fabricating glass elements. After lunch, workshop participants will tour one of the largest optical manufacturing operations in the county.

The STEM Workshops are open to all educators: youth leaders, non-formal educators, as well as teachers, administrators, and counselors in both public and private schools.

Workshop tuition for active teachers is **\$125 for each session** (per day) and includes lunch. The tuition fee qualifies for BOCES aid, and qualified participants can receive NYSED CTLE credit. The tuition fee for students studying to become teachers and non-formal educators is **\$50 per session**.

For more information, please visit the Finger Lakes STEM Hub website: <http://www.empirestem-fl.org> or contact Dr. Bruce Capron at [bruce.capron@hflcsd.org](mailto:bruce.capron@hflcsd.org) (585-624-7020) or Betsy Ukeritis at [betsy.ukeritis@dec.ny.gov](mailto:betsy.ukeritis@dec.ny.gov) (315-314-0768) with questions.