

# FLIR Thermal Imaging Demo Day at FAU

11 a.m. – 3:30 p.m. June 8

*Room 403, Engineering East bldg., Boca Raton Campus*

Lunch will be provided to those that RSVP to [bobby@irepinc.com](mailto:bobby@irepinc.com)

FLIR Systems will explore how infrared technology can be used to provide non-contact temperature measurement and thermal characterization relevant to a wide range of research applications. They will review the commonly used imaging technologies and how they apply to different research projects.

## **Goal:**

To provide students, faculty, and researchers with a convenient way to explore the world of thermal imaging.

## **Discussion Topics Include:**

- Review of theories behind infrared thermography and heat transfer basics
- Compare Thermal and Photon-counting IR camera technologies and how they measure temperature
- Investigate different research applications and how the different infrared imaging technologies are used to solve these problems

## **Relevant uses of FLIR technology for Universities are as follows:**

- General: Anything that could benefit from non-contact temperature measurement
- Electrical Engineering: Micro-electronics / PCB Inspection, Characterization & Failure Analysis
- Civil Engineering: Bridge De-lamination, NDT on composite materials
- Bio-Medical Engineering: Medical Device characterization
- Mechanical Engineering: Friction analysis, Materials testing, etc.
- Medical: Blow flow analysis, Brown fat studies, etc.

## **Additional Information:**

- [FLIR Research and Science Website](#)
- [FLIR Academics and Research Examples](#)