

Graduate Research in Optics & Photonics



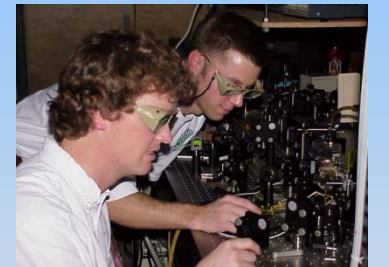
The Electro-Optics Program at the University of Dayton has research opportunities for prospective graduate students for Fall 2009.

Selected Research Areas

Nanophotonics: fabrication and characterization with a new state-of-the-art cleanroom facility. Applications include: IR focal plane arrays, negative index phenomena (metamaterials) and super-resolution imaging.

Ladar and (free space) optical communication: A new 10,000 sq ft facility houses the Air Force Center of Excellence with \$5 million funding. Technologies: sparse apertures, agile waveforms and signal processing, beam steering and adaptive optics.

Nonlinear Optics: parametric generation of light from visible through the mid-IR to THz regimes, photorefractive materials and nonlinear optics in photonic crystals and metamaterials.



Stipends can range from \$20,000 to \$24,000 per year plus tuition.



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