

Nanostructure Optoelectronics Lab

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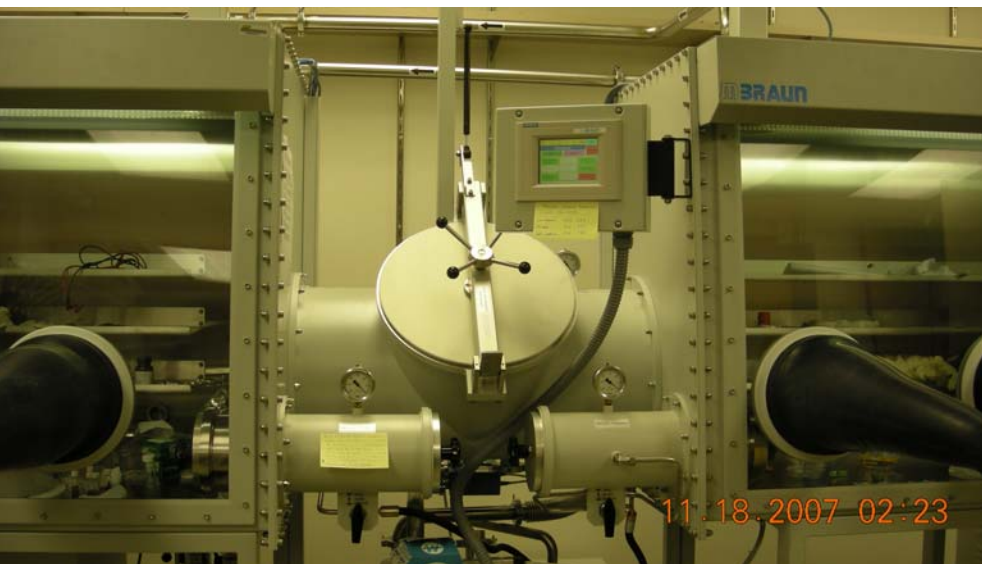
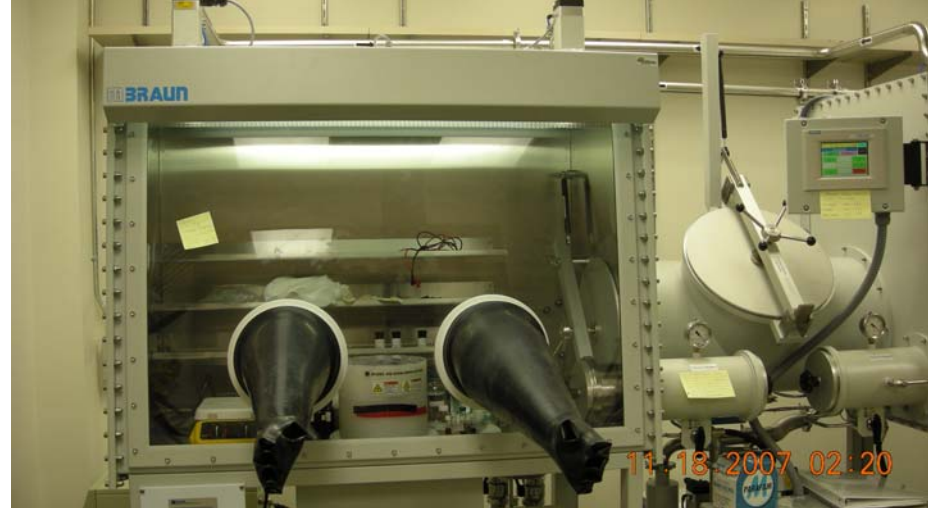
Introduction

In the Nanostructure Optoelectronics Lab, we focus on investigating optoelectronic properties of materials and potential device applications.

Our research focus on:

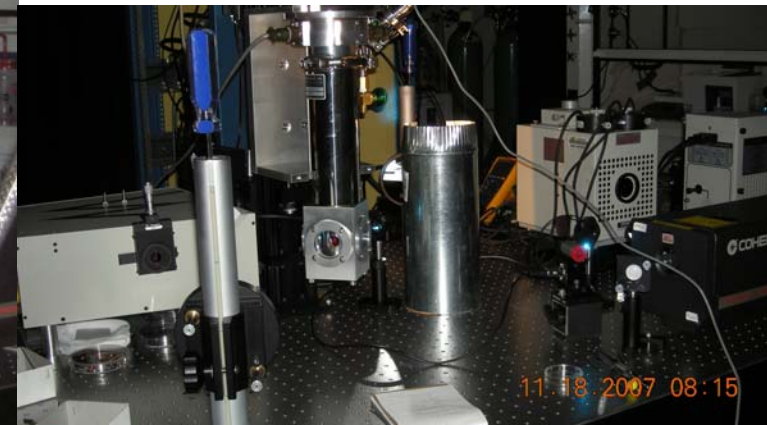
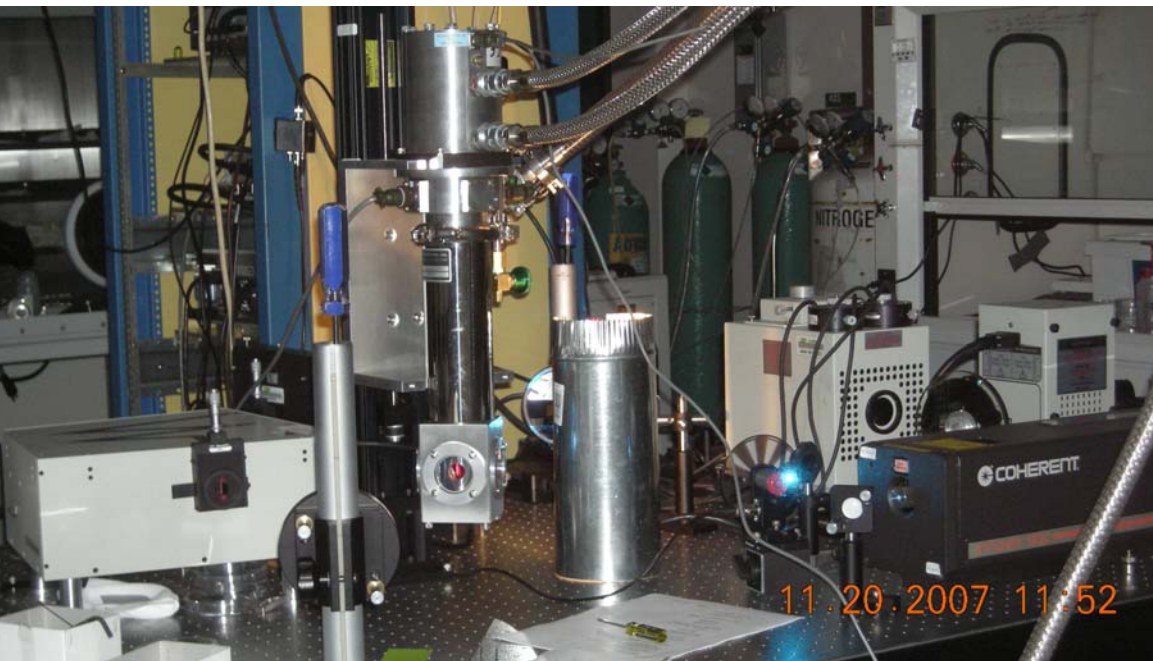
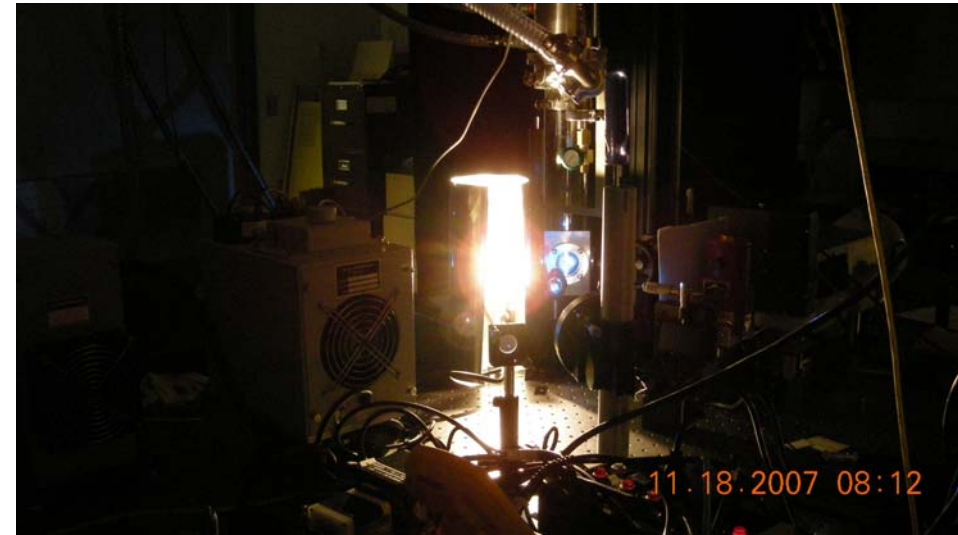
- Material properties
 - Device physics
- Device engineering
 - Device fabrication
- Device characterization

Organic deposition system (integrated vacuum chamber, thin film coating glove box systems)



Solar cell and LED characterization

- Current-voltage (I-V) curve (power conversion efficiency)
- Spectral sensitivity (external quantum efficiency)



cw pump & probe spectroscopy (UV, visible & Infrared) Transient Transport set up

