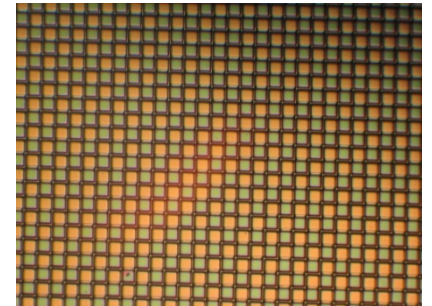




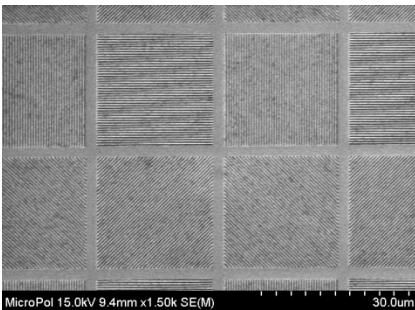
Optoelectronics

Device Technology

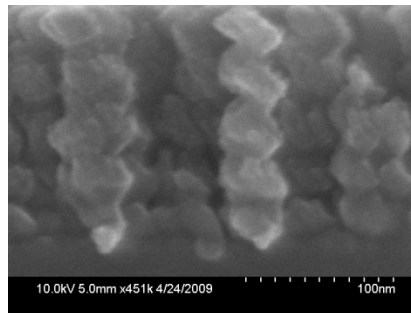
- Photodetectors and image sensors
- Avalanche and high-speed photodetectors
- Infrared components: micro-prisms, micro-polarizers & filters
- Optical and nanostructured thin films
- Nano-lithography
 - Deep UV interference lithography
- Nano-Fabrication & MEMS
 - class 100 cleanroom lab



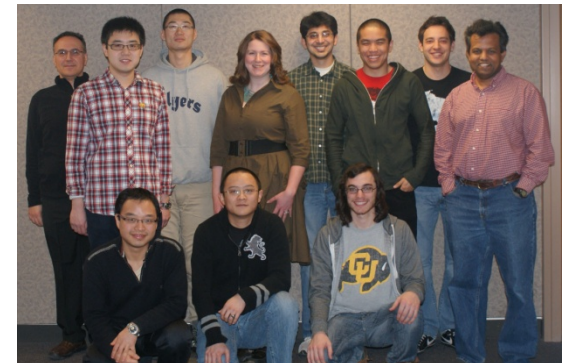
Two-color mid-infrared array filter for imaging



Polarimetric imager:
Pixel wiregrid micropolarizers



Nanostructured thin films
Nanospirals on SiO₂



Research Group

Sarangan Research Group

NANO-FAB



The laboratory was created in 2004 by Dr. Andrew Sarangan with two research grants from the Ohio 3rd Frontier Project.

This facility has all the essential nano-fab tools to bring innovative concepts to reality, and eventually to the marketplace.

Continued operations are funded by industry and government contracts.



**Ohio
Gov. Bob Taft
announcing
the award in
2004**



**Innovation
Development
Commercialization**