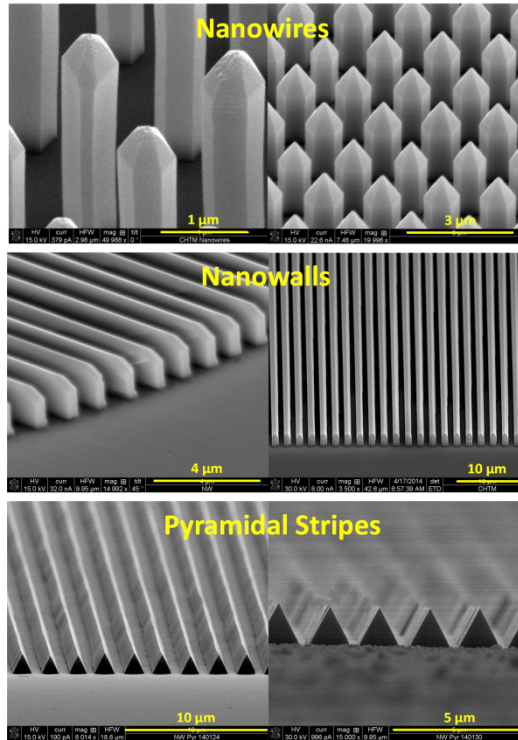
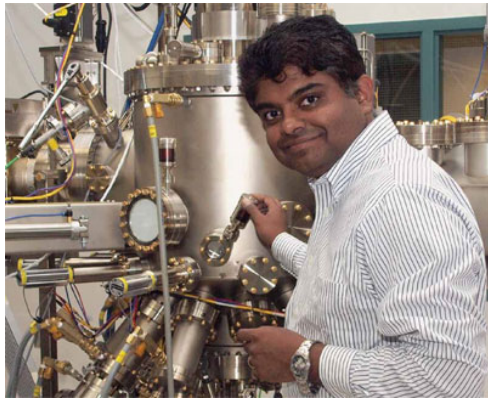


## E6: Optoelectronics



Optoelectronics research area includes semiconductor based optoelectronic devices and materials as well as photonic devices. The research thrusts pursued by individual faculty includes semiconductor lasers, detectors (including focal plane arrays), photovoltaics, lithography, fiber optic technologies and nanotechnology, to name a few. The area has strong ties with the optical science and engineering program as well as the Center for High Technology Materials (CHTM).

**Area Chair:** Prof. Ganesh Balakrishnan ([http://www.ece.unm.edu/faculty\\_Staff/Balakrishnan.html](http://www.ece.unm.edu/faculty_Staff/Balakrishnan.html))

### **Faculty Members:**

Prof. Daniel Feezel (<http://www.feezellgroup.com/>)

Prof. Majeed Hayat (<http://www.ece.unm.edu/faculty/hayat/main.htm>)

Prof. Mani Hossain-Zadeh (<http://www.chtm.unm.edu/~mhz/>)

Prof. Ravi Jain (<http://www.chtm.unm.edu/jain/>)

Prof. Sanjay Krishna (<http://www.chtm.unm.edu/kind/>)

Prof. Marek Osinski (<http://www.chtm.unm.edu/osinski/>)

**Major core courses:**

ECE561 Electrodynamics (Spring),

ECE570 Optoelectronic Semiconductor Materials & Devices,

ECE572 Physics of Semiconductors (Spring).