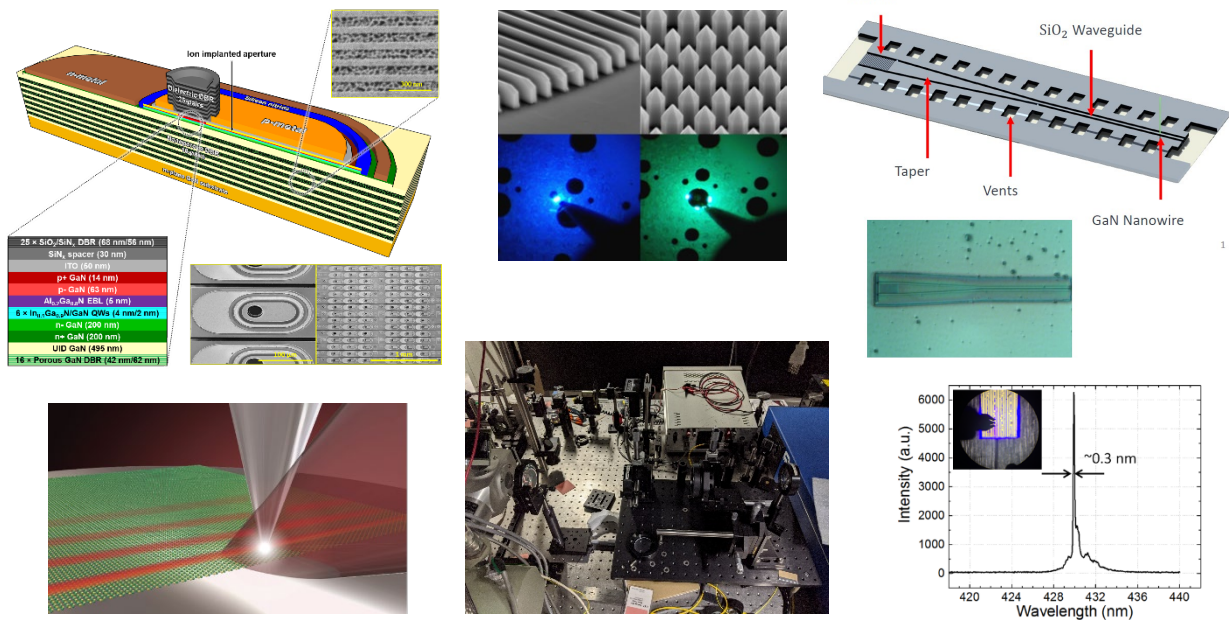


E6: Optoelectronics



The optoelectronics research area includes semiconductor based optoelectronic devices and materials as well as photonic devices. The research thrusts pursued by individual faculty include semiconductor lasers, light-emitting diodes, detectors, photovoltaics, photonic integrated circuits, lithography, sensors, nanophotonics, fiber optics, 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. Daniel Feezell (<http://www.feezellgroup.com/>)

Faculty Members:

Prof. Viktoriia Babicheva (<http://ece.unm.edu/faculty-staff/electrical-and-computer/viktoriia-babicheva.html>)

Prof. Ganesh Balakrishnan (<http://www.ece.unm.edu/faculty-staff/electrical-and-computer/ganesh-balakrishnan.html>)

Prof. Tito Busani (<http://www.ece.unm.edu/faculty-staff/electrical-and-computer/tito-busani.html>)

Prof. Francesca Cavallo (<http://ece.unm.edu/faculty-staff/electrical-and-computer/francesca-cavallo.html>)

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

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

Major core courses:

ECE561 Electrodynamics (Spring)

ECE570 Optoelectronic Semiconductor Materials & Devices (Fall)

ECE572 Physics of Semiconductors (Spring)