

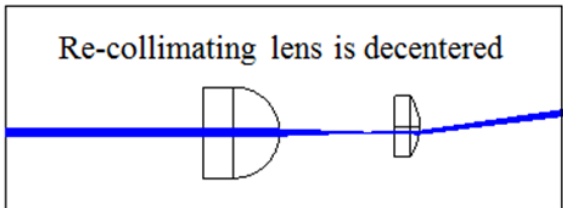
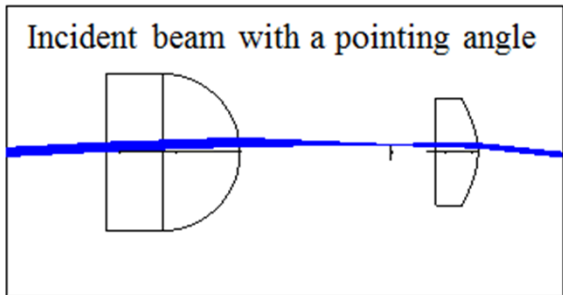
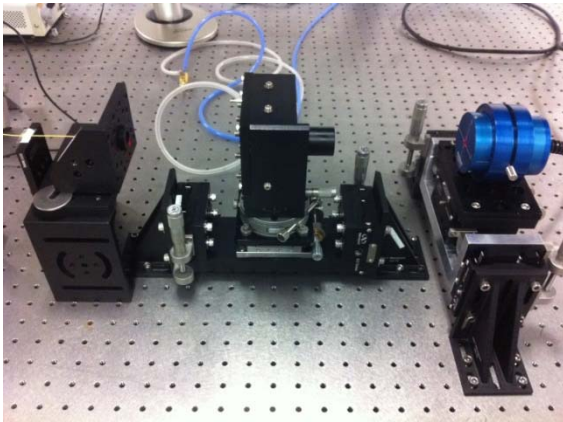


Shuping Wang, Associate Professor

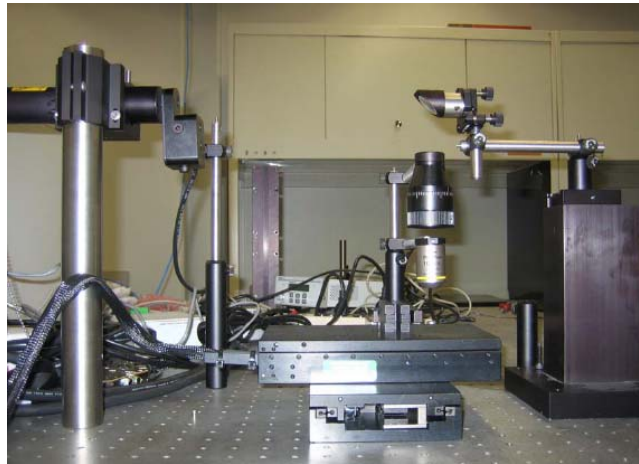
Department of Electrical Engineering

Thin film electro-optic polymeric materials and modulators; optical design, fabrication, and packaging for WDM networks; optical design and simulation of transmitter/receiver optical sub-assembly in fiber optical network

Optical System Design and Assembly



Polymeric optical device fabrication and characterization



Optical Design and Simulation

- Optical design and simulation for transmitter optical sub-assembly (TOSA)
- Optical power budget estimation
- Simulation on laser far-field profile ripples caused power loss

Optical Current Sensor Design

- bulk-glass optical current sensor with a field concentrator for smart-grid
- Effective temperature compensation
- Expertise for optical voltage sensor design for power system