

لیست موضوعات پیشنهادی پروژه درس الکترونیک نوری:

(در صورت پیاده سازی تا 1 نمره اضافه منظور می گردد)

- Optical processing and optical computing
- Solar cells (antireflection coating, focusing optical elements, etc. )
- Improving laser to fiber coupling
- Organic materials
- Acousto-optic modulator
- Silicon nanowire
- Laser display
- Nonlinear effects in optical fiber and their usage
- Optical/THz/MMW Frequency multiplier based on nonlinear effects in optical fiber
- Organic Display devices (OLED)
- Digital holographic applications in optical information processing and 3D imaging
- Volume holograms
- Optical memory based on micro-ring lasers
- Insect-eye (CCD/CMOS) sensors and cameras
- Optical Interconnections in IC
- Diffraction gratings and their applications