



Title:

What can a single liquid crystal retarder do to optical imaging?

**Prof. Ibrahim Abdulhalim
Ben-Gurion University**



2015/12/16 (Wed.) AM 10:00-12:00

國立成功大學 光電科學與工程學系
綜合大樓 48418 室 (4F)

About the speaker:

Research Interests

- Materials:** Optical Materials, Liquid Crystals, Semiconductors, and Amorphous Materials.
- Optics and Photonics:** Optical systems, optics of anisotropic media, photonic crystals, lasers, optical fibers, wave-guides, optical interactions in materials, acousto-optics, sensors.
- Optical Metrology Techniques:** ellipsometry, interferometry, microscopy, spectroscopy.
- Interest in newly emerging fields:** Biomedical optics and nano-technology.

Research Projects

- 1) Biomedical optical imaging techniques assisted by liquid crystal devices
- 2) Development of fast and high dynamic range liquid crystal device
- 3) Nanophotonics structures for biosensing in water
- 4) Full field optical coherence tomography system for real time 3D imaging

Sponsored by:
Department of Photonics, NCKU

