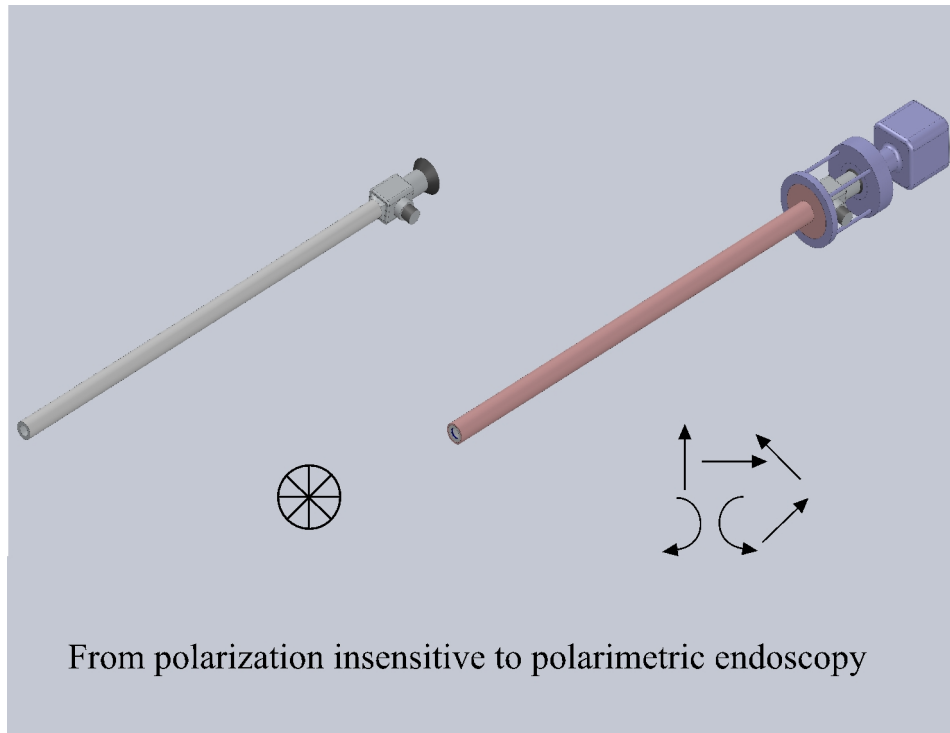


Optics and Photonics Group
Lunchtime Seminar

“Polarisation resolved surgical endoscopy”

Ji Qi

Division of Surgery, Imperial College London



1:00pm Tuesday 9th April 2019
203 Tower building
All Welcome

http://optics.nottingham.ac.uk/wiki/Talks_2019



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The contrast mechanism of traditional surgical endoscopy is limited to light intensity and color which correspond well to vision by naked eye but lack of functional and microstructural information of tissue. The limited power of traditional endoscopy leads to missing some lesions and risk of recurrence. Optical polarisation can provide an insight into tissue microstructures and birefringent compositions like collagen, which has potential for rapid non-destructive tissue diagnosis. The talk elaborates on the latest progress on polarization resolved endoscopy for surgery.