

We invite you to attend the

IEEE Distinguished Lecturer Talk by Prof Robert Boyd



This presentation first reviews the historical development of the field of nonlinear optics, starting from its inception in 1961. It then reviews some of its more recent developments, including especially how nonlinear optics has become a crucial tool for the developing field of quantum technologies. Fundamental quantum processes enabled by nonlinear optics, such as the creation of squeezed and entangled light states, are reviewed. We then illustrate these concepts by means of specific applications, such as the development of secure communication systems based on the quantum states of light.

When

13 March 2017
5:30 pm for a 6:00pm start (drinks provided)

More information

Joe Mok joe.mok.au@ieee.org,
Vice-chair of IEEE NSW Photonics
Society, CAS, SSCS & EDS Joint
Chapter

Where

Harry Messel Lecture Theatre
Sydney Nanoscience Hub (SNH
A31, The University of Sydney)

RSVP

To register, please click
here: <http://evite.me/weT5APUF7u>

