



CAASTRO
ARC CENTRE OF EXCELLENCE
FOR ALL-SKY ASTROPHYSICS

CAASTRO in the Classroom

“Photonics in the new information age: Faster, smaller and greener”

The importance to 21st-century economies of a fast and efficient Internet was acknowledged in 2009 by the Australian Government’s decision to build the National Broadband Network (NBN). The key technology behind the Internet is photonics — the science of generating, transmitting, processing and detecting light.

You and your students are invited to join **Ben Eggleton** as he explains how photonics has the capability to transform all areas of modern society that rely on information transfer. This talk will cover topics mainly from the **World Communicates** and **Age of Silicon** modules of the **Physics Stage 6 Syllabus**.

The session will run on **Wednesday 16th August 2013 11:00am - 11:45pm**

There is no charge for schools to participate. Please register by completing the booking form at the bottom of the webpage):

<http://www.caastro.org/bookings>

Learn more about us at <http://www.caastro.org/citc> or by emailing citc@caastro.org



Professor Benjamin J. Eggleton is an optical physicist at the University of Sydney in the School of Physics. In previous work, he has invented optical technologies that made the Internet fast. His current research group studies the interaction of light at the single-photon level, underpinning a new information age that will be faster, smarter and greener.