

## Time-resolved Cathodoluminescence Microscope

# Grand Opening

12<sup>th</sup> September 11 am – 4pm

Goldsmiths Lecture Room 2

Department of Materials Science and Metallurgy

University of Cambridge

The Department of Materials Science and Metallurgy at the University of Cambridge has recently installed a state-of-the-art time-resolved cathodoluminescence scanning electron microscopy system, funded by the EPSRC, which provides spatial resolution of the optoelectronic properties of materials down to 10 nm, and temporal resolution down to 30 ns. It operates at temperatures down to 10 K and at wavelengths from 200 nm to 1.7  $\mu\text{m}$ . It also provides opportunities for electron beam induced current measurements. If you are interested in using the system, come and join us on 12<sup>th</sup> September to hear more about its capabilities.

### **Materials and devices currently under investigation include:**

Nitride based light emitting diodes (LEDs)

Power electronic devices

Nanowires

Perovskites

II-VI thin film solar cells

Geological thin sections

Infra-red photonic devices

Sign up via Eventbrite, or contact Prof Rachel Oliver ([rao28@cam.ac.uk](mailto:rao28@cam.ac.uk)) for more details:  
<https://www.eventbrite.co.uk/e/trcl-opening-tickets-67440216503?utm-medium=discovery&utm-campaign=social&utm-content=attendeeshare&aff=escb&utm-source=cp&utm-term=listing>