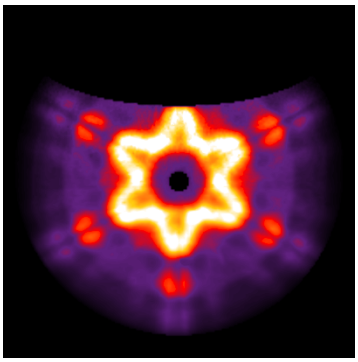
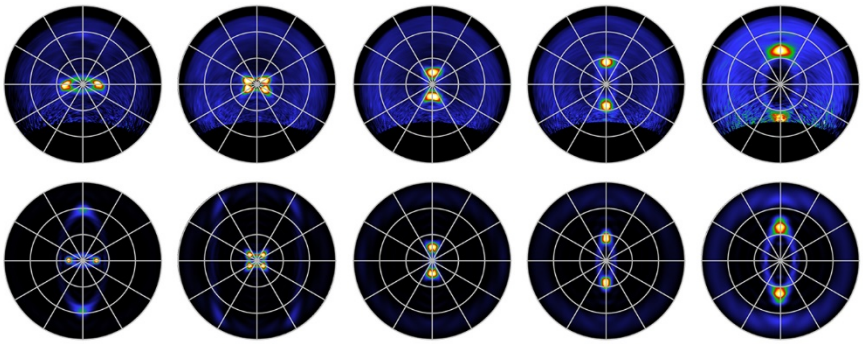
Cathodoluminescence imaging for nanophotonics and materials science

September 16th, 2020

11.00 - 12.30

Faculty of Civil and Industrial Engineering - Sapienza University of Rome





ABSTRACT

Cathodoluminescence (CL) is a versatile technique for the study of optical properties with deep sub-wavelength resolution. CL spectroscopy, angle-resolved imaging and polarimetry are powerful imaging tools to probe and understand the many interesting properties of plasmonic and nanophotonic structures which confine and emit light in unique ways. CL imaging is also a great technique for investigating the properties of many other materials such as rocks, semiconductors and photovoltaic materials both in bulk and micro/nanostructured form. We will present the hardware and imaging methods used to perform CL imaging in a Scanning Electron Microscope, and discuss recent results from a variety of these applications.

Note: A link to the recording of this event will be provided to all registrants, even if they are unable to attend at the time of broadcast.

SPEAKER:

Dr. Sangeetha Hari, PhD – Applications Specialist, Delmic

https://www.delmic.com/en/