



Resonance Raman and Photoluminescence Spectroscopy and Imaging of 2D Nanocrystals

ON-DEMAND WEBCAST (Originally aired May 19, 2015)

Register for free at <http://www.spectroscopyonline.com/spec/resonance>

Key Learning Objectives

- The relationship of the low energy phonon spectrum between 5 cm^{-1} and 50 cm^{-1} to MoS_2 layered structure
- The complementarity of reflected light and hyperspectral imaging
- The importance of excitation wavelength selection
- The identification of spatially varying strain

Who Should Attend:

- Materials Scientists

For questions contact
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EVENT OVERVIEW:

Two-Dimensional (2D) crystals are constituted by monolayer and few-layered structures. These materials have attracted significant interest because of their special electronic, optical, and optoelectronic properties in the monolayer and few-layer forms that are different from those in the bulk. This webinar will cover the application of resonance Raman and photoluminescence spectroscopy and imaging to 2D nanocrystals. In particular, we will present results obtained from few-layer MoS_2 and phosphorene revealing spatially varying strain and optical properties and low energy Stokes and Anti-Stokes phonon spectra of MoS_2 .

- 2D Nanocrystals
- Few-Layer MoS_2
- Phosphorene

Presenters

David Tuschel
Manager of
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Moderator

Laura Bush
Editorial Director
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