

Internal Webinar

Investigation of organic-electronic device performance

Chandan Gupta

UM-DAE, CEBS, Mumbai

This presentation focuses entirely on understanding the performance of organic electronic devices, primarily organic light-emitting diodes (OLEDs). I will discuss phenanthroimidazole derivatives, which exhibit electromer properties in thin films, providing WOLEDs without any doping. Additionally, I will discuss colour-tuneable OLED achieved by modifying device geometry with a Phen-I Pyrene (PhenI-Py) molecule. I will also explain how impedance spectroscopy aids in understanding the device physics of perylene-based OLEDs.

Friday, May 24th 2024

14:30 Hrs

