

SEMINÁRIO

Data: 27 de Janeiro de 2014

Hora: 16h00

Local: Anfiteatro Leopoldo Guimarães

The logo for CENIMAT | i3N features the text 'CENIMAT | i3N' in white, sans-serif font, centered within a large, light blue, semi-transparent sphere. Below this sphere are several smaller, similar spheres of varying sizes, all set against a background of abstract, glowing blue and orange patterns.

“The Spectral Response Techniques and the Constant Photo Current Method ”

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Abstract: The Spectral Response Techniques are very useful in the characterization of photo-conducting materials since it is possible to measure experimentally the photoconductivity of the material as a function of wavelength and also as a function of light intensity.

The Constant Photo Current Method (CPM) is used in the characterization of photo-conducting materials in the subgap energy region, where transitions occur mainly between defect states. In this energy region, the absorption coefficient is obtained as a function of the wavelength since it is inversely proportional to light intensity at a constant photocurrent.