

# Seminar

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## Institute for Plasma Research

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**Title :** Basics of Transmission Electron Microscopy and case studies

**Speaker:** Dr. Arup Dasgupta  
Indira Gandhi Centre for Atomic Research,  
Kalpakkam

**Date :** 21st November 2019 (Thursday)

**Time :** 02.30 PM

**Venue :** FCIPT Seminar Hall, FCIPT

**Abstract:**

The anatomy of a basic TEM and image forming mechanisms in the microscope will be discussed. These will include: Bright Field, Dark Field, Selected Area Diffraction and Phase contrast Microscopy including contrast transfer function. Analytical techniques such as EDX and EELS will be touched upon. A few case studies will also be discussed.

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