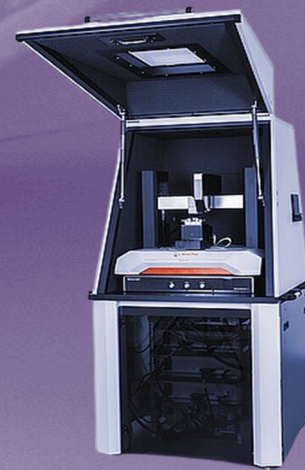




Seminar  
on  
**Recent Advancements in  
Indentation, Scratch and Tribology**

organized by  
**Advanced Centre for Materials Science (ACMS)**  
In conjunction with  
Materials Science & Engineering (MSE), IIT Kanpur



**12<sup>th</sup> December 2025 (Friday)**

**Session I**

***(Venue: Faculty Building, FB - 421)***

**09:00 – 09:30**

Registration



**09:30 – 09:40**

***Introduction Remark by Seminar Coordinator***  
**Prof. Kantesh Balani** (Head, MSE Department)

**09:40 – 09:45**

***Inaugural Address by***  
**Prof. Anish Upadhyaya** (Head, ACMS, IIT Kanpur)



**09:45 – 10:15**

***High Tea & Group Photo***

**10:15 – 10:45**

***Talk #1: Continuous Stiffness Measurement using Nano Indentation Technique***  
**Prof. Sudhanshu Shekhar Singh** (Faculty Coordinator, Mechanical Testing Lab, ACMS)



**10:45 – 11:15**

***Talk #2: Nanoindentation: Fundamentals & Relevance to Material Systems***  
**Prof. Kantesh Balani** (Faculty Coordinator, Indentation Lab, ACMS)



**11:15 – 11:45**

***Talk #3: Introduction to Tribology***  
**Prof. Manjesh Singh** (Department of Mechanical Engineering, IIT Kanpur)

**11:45 – 13:15**

***Talk #4: Nanoindentation, Scratch, Coating Thickness, Tribology  
and its applications using Anton Paar Instruments.***  
**Mr. Mohammad Arab Pour Yazdi** (Global Product Manager, Anton Paar Tritec, Switzerland)



**13:15 – 14:30**

**Lunch Break**

**Session II**

***(Venue: ACMS & Faculty Building, FB - 421)***

**14:30 – 17:00**

***Visit to ACMS Facilities***

**17:00 – 17:30**

***Valedictory Session [FB-421]***



← **SCAN FOR REGISTRATION**

**ACMS ([www.iitk.ac.in/acms](http://www.iitk.ac.in/acms))** →

