Recent Advancements in Nanomechanical Testing
Mini Symposium | 24th March 2021

Organized by the School of Mechanical Sciences, IIT Goa in association with Industron Nanotechnology India and Bruker Nano Surfaces

Probing the mechanical behaviour of materials at the nanoscale is necessary for the development of new nanostructured materials and continued miniaturization of engineering devices electronic components, thin films, and surface coatings. This program will cover topics related to cutting edge developments in nanoscale mechanical characterization of materials such as metals, alloys, polymer and ceramics, which will be used for such applications. The lecture themes are relevant to both audiences from academia and industry.

Join us in this Mini Symposium on the current state of art of Application, Challenges, and latest Developments of Nanoindentation technique by Eminent Experts.

Program Schedule

24th March 2021 at 02:00 pm (IST):

Welcome Remarks:

Prof B.K. Mishra,

Director, Indian Institute of Technology - Goa

24th March 2021 at 02:10 pm (IST):

Keynote Talk: Challenges in using nanoindentation to determine mechanical properties of viscoelastic materials

Prof Prita Pant

Professor, Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology- Bombay

24th March 2021 at 03:00 pm (IST):

Keynote Talk: High-throughput experimental techniques to measure the CRSS for slip and twinning in Mg and Mg alloys

Prof Javier Llorca

Professor and Scientific Director, IMDEA Materials Institute, Madrid, Spain

24th March 2021 at 03:50 pm (IST)

Industrial Talk: Hybrid Techniques in Nanomechanical Testing: Dynamic Mechanical Analysis & High Throughput Indentation

Dr S.A. Syed Asif

R&D Director, Industron Nanotechnology Pvt Ltd., Minneapolis, USA

Register Here

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