

Preconference Workshop on Advanced Topics in Mechanical Behaviour and Structural Integrity

Time schedule	Day 1 (12 Dec 2022)
8.30-8.45	Registration
8.45-9.00	Inauguration by Prof. B. Umashankar
9:00 -10:15	Prof. Suriya Prakash S. Introduction to NDE-SHM of civil structures
10:15-11:30	Prof. Ramji M Concepts in structural Integrity
Tea Break	
11:45-13:00	Prof. Surya Kumar Overview of Additive manufacturing processes
Lunch break	
14:00-15:15	Dr. Gopinath M. An insights to laser directed energy deposition process
15:15-16:30	Dr. Syed Nizamuddin K Deformation at high and ultra-high strain rates
Tea break	
16:45-17:45	Lab demonstration: Dr. Syed, Split Hopkinson pressure bar

Time schedule	Day 2 (13 Dec 2022)
9:00 -10:00	Dr. Prakhar Gupta Continuum modelling of large deformations in elastic structures
10:00-11:00	Dr. Eswar Prasad K Micro mechanical characterization
Tea break	
11:15-12:15	Dr. Rajesh Korla Insights to processing and deformation mechanism maps
12:15-13:15	Prof. Ratna Kumar Modelling deformation behavior at high strain rates
Lunch break	
14.15-15.15	Dr. Naresh V Datla, Fatigue and Fracture
15.15-16.15	Dr. Phani Mylavarapu NDT and its associated reliability in life revision of aero engines
Tea break	
16.30 – 17.30	Lab demonstration: Dr. Rajesh Korla, Nano Indentation

For details on the accommodation: Contact Abdul-6301148094