



Virtual Symposium on Experimental Solid Mechanics

ME @ IISc



Honouring the contributions of Prof. K. R. Y. Simha

Day 2 Schedule - July 29 2020

SESSION 1 (CHAIR PROF. CS JOG)

Time (IST)	Speaker
16:00	Dr. KVNS Surendra, <i>IIT Palakkad</i> MULTI-PARAMETRIC PATTERNS OF PHOTOELASTIC ISOTROPIC POINTS IN DISK UNDER 4-POINT LOADING
16:30	Dr. Zev Lovinger, <i>Rafael Defense Labs, Israel</i> MEASURING MATERIAL STRENGTH AND FAILURE CHARACTERISTICS AT HIGH STRAIN RATES USING EM DRIVEN EXPANDING CYLINDERS
17:00	Dr. Vignesh Kannan, <i>ETH Zurich</i> THE KINETICS OF POLARIZATION AND ELECTROMECHANICAL COUPLING IN BULK FERROELECTRIC CERAMICS
17:30	Dr. Suraj Ravindran, <i>Caltech</i> STRENGTH MEASUREMENT OF MATERIALS AT EXTREME PRESSURES AND STRAIN RATES

SESSION 2 (CHAIR DR. KOUSHIK VISWANATHAN)

18:00	Prof. Daniel Rittel, <i>Israel Institute of Technology, Technion</i> IMPACT RESPONSE OF MATERIALS: FROM METALS TO SOFT GELS
19:00	Prof. Dirk Mohr, <i>ETH Zurich</i> FROM ROBOT-ASSISTED MECHANICAL EXPERIMENTS TO MACHINE LEARNING BASED CONSTITUTIVE MODELS
19:55	Interval
20:10	Prof. Arun Shukla, <i>University of Rhode Island</i> DYNAMIC INSTABILITY AND FLUID INTERACTION IN UNDERWATER STRUCTURES UNDER COMPLEX LOADING
21:10	Prof. KT Ramesh, <i>Johns Hopkins University</i> THE DYNAMIC GRANULAR FLOW OF AN ADVANCED CERAMIC
22:05	Closing remarks