



Virtual Symposium on Experimental Solid Mechanics

ME @ IISc



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

Day 1 Schedule - 28 July 2020

SESSION 1 (CHAIR PROF. VR SONTI)

Time (IST)	Speaker
15:30	Introductory remarks and felicitation of Prof. KRY Simha
16:00	Dr. Tejas Gotkhindi, <i>IIT Dharwad</i> WHOLE-FIELD DISPLACEMENT FROM PARTIALLY ACCESSIBLE BOUNDARY'S DISPLACEMENT DATA: COUPLED FE-ANALYTICAL APPROACH
16:30	Dr. Anshul Faye, <i>IIT Bhilai</i> MECHANICS OF FRACTURE INITIATION IN POLYCARBONATE
17:00	Mr. Shyamal Kishore, <i>University of Rhode Island</i> UNDERWATER IMPLOSION PRESSURE PULSE INTERACTIONS WITH SUBMERGED PLATES
17:30	Dr. Debashish Das, <i>University of Illinois, UC</i> MECHANICS OF NANOSCALE SOFT CONTACTS

SESSION 2 (CHAIR PROF. R NARASIMHAN)

18:00	Prof. Jeffrey Kysar, <i>Columbia University</i> DELIVERY OF THERAPEUTICS INTO THE INNER EAR VIA PERFORATION OF THE ROUND WINDOW MEMBRANE
19:00	Prof. Hareesh Tippur, <i>Auburn University</i> A PHOTOMECHANICS STUDY OF SINGLE & CASCADING CRACK BRANCH FORMATIONS IN SODA-LIME GLASS
19:55	Interval
20:10	Prof. AT Zehnder, <i>Cornell University</i> DEFORMATION & FRACTURE OF DUAL CROSS-LINK HYDROGELS
21:10	Prof. K Ravi-Chandar, <i>University of Texas at Austin</i> EXPERIMENTS AND NUMERICAL SIMULATIONS OF INITIATION GROWTH OF CRACKS UNDER MIXED MODE I+II LOADING
22:10	Prof. PV Venkitnarayanan, <i>IIT Kanpur</i> CONTROLLING COLLAPSE OF CYLINDRICAL TUBES SUBJECTED TO AXIAL IMPACT THROUGH PERFORATIONS
23:05	Closing remarks and comments about Day 2