

13 NOVEMBER 2022

INTERNATIONAL SYMPOSIUM ON “ACCELERATED MATERIALS DESIGN AND ADDITIVE MANUFACTURING: SCIENTIFIC AND TECHNOLOGICAL PERSPECTIVES (AMDAM)”
SCHEDULE (OZONE HALL)

Time	Event
11:00 - 11:30	Inauguration of the International Symposium & Presidential Address Dr. Samir V Kamat , Distinguished Scientist & Secretary, Department of Defence R&D and Chairman, DRDO President, Indian Institute of Metals
11:30 - 12:15	Bernard Rolfe , Deakin University, Australia Developing Benchmarks for Process Window Discovery for Laser-Based Powder Bed Fusion
12:15 – 13:00	Upadrasta Ramamurty , Nanyang Technological University, Singapore Structural Integrity of Additively Manufactured Alloys
13:00 - 13:45	Lunch
13:45 - 14:30	Shiro Torizuka , University of Hyogo, Japan In-Situ Synchrotron Radiation Diffraction Study in Characterizing the Dislocation Density of Additively Manufactured Metallic Materials
14:30 - 15:15	Sanjay Sondhi , GE Global Research - Bangalore Materials Modeling – An Industrial Perspective
15:15 – 16:00	Dirk Helm , Fraunhofer Institute for Mechanics of Materials IWM, Germany Progress in Modeling, Simulation and Digitalization for Material and Process Design
16:00 - 16:15	Break
16:15 – 17:00	Hui Jiang , Oxford Instruments Nanoanalysis, UK The Complete Characterisation of Additive Manufacturing Powders
17:00 - 17:45	Surya Kalidindi , Georgia Institute of Technology, USA A New AI/ML Framework for Materials Innovation
17:45 - 18:30	Ankit Agrawal , Northwestern University, USA Artificial Intelligence and High-Performance Data Mining for Accelerating Materials Science and Engineering
18:30 - 18:40	Closing Remarks + Vote of Thanks for AMDAM
19:00 onwards	Dinner