

# AI-Enabled Advanced Materials: From Discovery to Deployment

Road to Impact Summit

Date: 28th January, 2026

Venue: S.L. Kirloskar Auditorium,

BHAU Institute, COEP Technological University, Pune 411005

## Agenda

Time	Topic and Speaker
08:30 to 09:25 AM	Registration, Snacks & Tea/Coffee
09:30 to 11:15 AM	<p>Session 1</p> <p><b>National Anthem, University Geet</b></p> <p><b>Welcome Address</b> Prof. Sunil Bhirud, Hon VC COEP Tech</p> <p><b>Workshop Context &amp; Objectives</b> Dr. Milind Pimprikar, Executive Chairman CANEUS International</p> <p><b>Introductory &amp; Framing Session</b> CANEUS Representative</p> <p><b>Keynote Address</b> <a href="#">Interpretable Representations in Materials AI</a> Prof. Abhishek Singh, Professor &amp; Chair Materials Research Centre, IISc Bangalore</p>
11:15 to 11:30 AM	Tea / Coffee Break
11:30 AM to 1:00 PM	<p>Session 2</p> <p><b>Defence Vantage Point</b> <a href="#">Transforming Composite Materials and Structures through Artificial Intelligence</a> Dr. Makrand Joshi, Director, R&amp;DE Engineers, Pune</p> <p><b>OEM Perspective</b> <a href="#">AI based Materials Engineering Applications in OEMs</a> Dr. Satyam Sahay, John Deere Fellow, Head, Advanced Engineering &amp; Manufacturing Technologies, Pune</p>
01:00 to 02:00PM	Lunch
02:00 to 3:30 PM	<p>Session 3</p> <p><b>Research Outlook</b> <a href="#">AI Metallurgist: Opportunities and Challenges</a> Prof. Asim Tewari, Professor, Department of Mechanical Engineering and Center for Machine Intelligence and Data Science(C-MInDS), IIT Bombay</p> <p><b>Scientist View</b> <a href="#">Solid state hydrogen storage and discovery of materials: bridging the gap through machine learning</a> Dr. Kavita Joshi, Principal Scientist, National Chemical Laboratory (NCL), Pune</p>
03:30 to 04:00 PM	Refreshment Break
4:00 to 5:45 PM	<p>Session 4</p> <p><b>Computing Angle</b> <a href="#">Accelerating Phase-Field Simulations: Impact of High Performance Computing vs High-Throughput Computing</a> Dr. Venkatesh Shenoi, Staff Scientist, C-DAC, Pune</p> <p><b>Panel Discussion</b> <a href="#">Bridging Lab to Market: Building India's AI-Materials Ecosystem</a> Moderator: Dr. A R Upadhyay, former Director, CSIR National Aerospace Laboratories(NAL) Panel: Manish Bhardwaj, Technical advisor to Secretary Defence R&amp;D and Chairman DRDO Dr. Sunit Rane, Scientist 'F', C-MET, Pune Dr. Rajkumar Singh, Senior Director, Kalyani Centre for Technology &amp; Innovation (Bharat Forge Ltd.) <b>ARAI Representative</b> Dr. Manisha Kulthe HoD, Metallurgy &amp; Materials Engineering, COEP Tech</p> <p><b>Vote of Thanks</b> Dr. Charulata Patil, Computer Science &amp; Engineering, COEP Tech</p> <p><b>National Anthem</b></p>