International workshop on High Throughput Correlative Materials Characterization

Join us...

HTCMC 2026

Feb 10-11, 2026

Venue: Zakir Hussain Lecture hall complex, UoH, Hyderabad

The workshop will provide a platform for academia and industry experts from across the world to present the state of the art in high throughput correlative materials characterization in terms of instrumentation and data analysis techniques. It also includes hands on demonstration sessions on advanced characterization equipment.

Focus areas

- **Scanning Electron Microscopy**
- **Focused Ion Beam milling**
- **Transmission Electron Microscopy**
- **Micro X-ray Diffraction**
- **Nano/ Micro Mechanical Testing**
- **Modelling and Simulation**
- ***In-situ* TEM**

Target Audience

Practicing engineers, scientists, master's students, PhD scholars and research fellows in the field of Materials Engineering.

Registration

Participants should register online using the following link…

https://docs.google.com/forms/d/e/1FAIpQLSc5vhrZ0_UmxwC__LqeR8PsCGV_Ux5HYrBUZAhQc4z8X4QDAQ/viewform?usp=header

Make the payment using the following link…

https://payuoh.uohyd.ac.in/PG/PaymentTypes

It takes to UoH Payments

- **Click on Proceed, then Go to Event Regi. Fees and Select workshop name and do the payment**

Early bird registration fee*: Rs. 5,000

- **Rs. 2,000 (Students)** *(*excluding 18% GST)*

- **Pay by January 31st, 2026 (to avail the early bird registration fee)**
- **Send your payment slip to - htcmc2026@gmail.com**

For the first time in India, experience it at the University of Hyderabad

One stage – Global leaders - Pioneering ideas

Organizing Team:

- **Prof. Jai P. Gautam (Chairman), UoH**
- **Prof. Sudharshan Phani, UoH**
- **Dr. Venkata Girish Kotnur, UoH**
- **Dr. S.R.K. Malladi, IITH**
- **Dr. Siva Rajesh. S, JEOL**
- **Dr. Sharath Anishetty, ThermoFisher Scientific**
- **Mr. Saikumar Katta, IR-TECH**

Contact us..

E-mail id: htcmc2026@gmail.com

Mobile no.: +91 8341106736

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Programme Schedule

HTCMC 2026

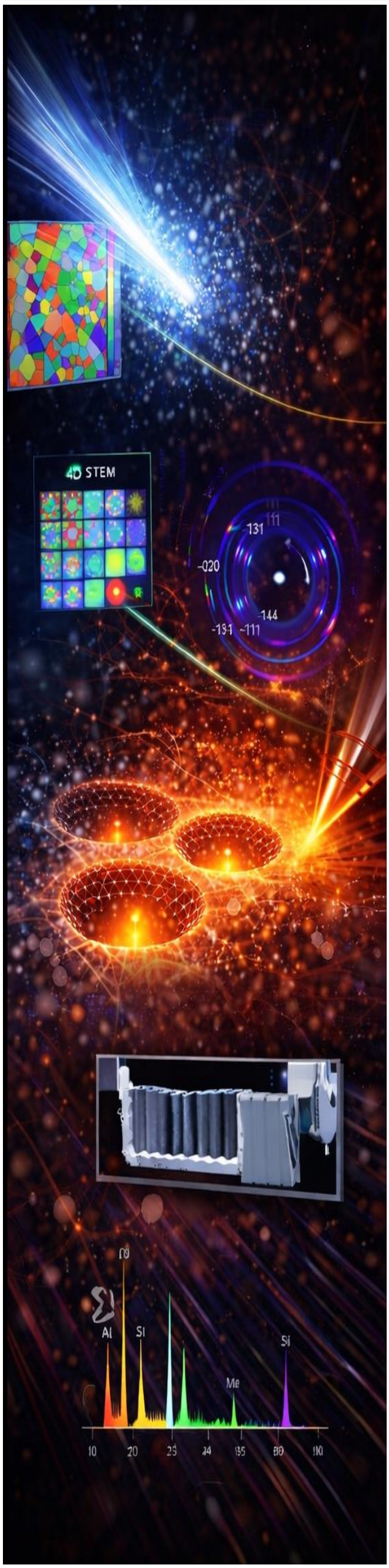
Feb 10-11, 2026

10-02-2026 (Day - 1)
Venue: Zakir Hussain Lecture hall complex

9:30 AM	*Orientation Imaging Microscopy* **- Prof. Leo Kestens, Ghent University, Belgium**
10:30 AM	**TFS**
11:00 AM	**Coffee break**
11:15 AM	*Micro X-Ray Diffraction* **- Dr. Joydeep Joardar, ARCI, India**
12:15 PM	**Rigaku**
12:45 PM	**Lunch**
01:45 PM	*Advancements in In-situ Transmission Electron Microscopy* **- Dr. S.R.K. Malladi IITH India**
02:45 PM	**JEOL**
03:15 PM	**High Tea**
03:30 PM	*Leveraging Nanoscale Chemical Insights from Atom Probe Tomography to Complement Multiscale Materials Characterization* **- Dr. Rama Srinivas Varanasi, IITH, India**
04:30 PM	**DENS Solutions**
05:00 PM	**Hummingbird**

11-02-2026 (Day - 2)
Venue: Zakir Hussain Lecture hall complex

9:00 AM	*Nano Mechanical Testing: Past, Present & Future* **– Prof. Warren C Oliver, University of Tennessee, USA***
10:00 AM	*High Speed & High Throughput Nano Mechanical Testing* **- Prof. Sudharshan Phani, University of Hyderabad, India**
11:00 AM	**Coffee break**
11:15 AM	*In-situ nanomechanical testing* **- Prof. Daniel Kiener, Montan universität Leoben , Austria**
12:15 PM	*See It, Feel It, Resist It: Integrating Multi-Modal Metrology for Thin Film Performance* **- Bryan Crawford, KLA Corporation, USA**
12:45 PM	**Lunch**
01:45 PM	*Machine Learning–Driven Microstructural Decoding with High-Throughput Nanoindentation and Correlative Analysis* **- Dr. Edoardo Rossi, Roma Tre University, Roma, Italy***
02.45	**Bruker**
03:15 PM	**High Tea**
03:30 PM	*Panel Discussion* **– Prof. Jai P. Gautam, UoH, India**
04:00 PM	**Closing Remarks**



** Online session*