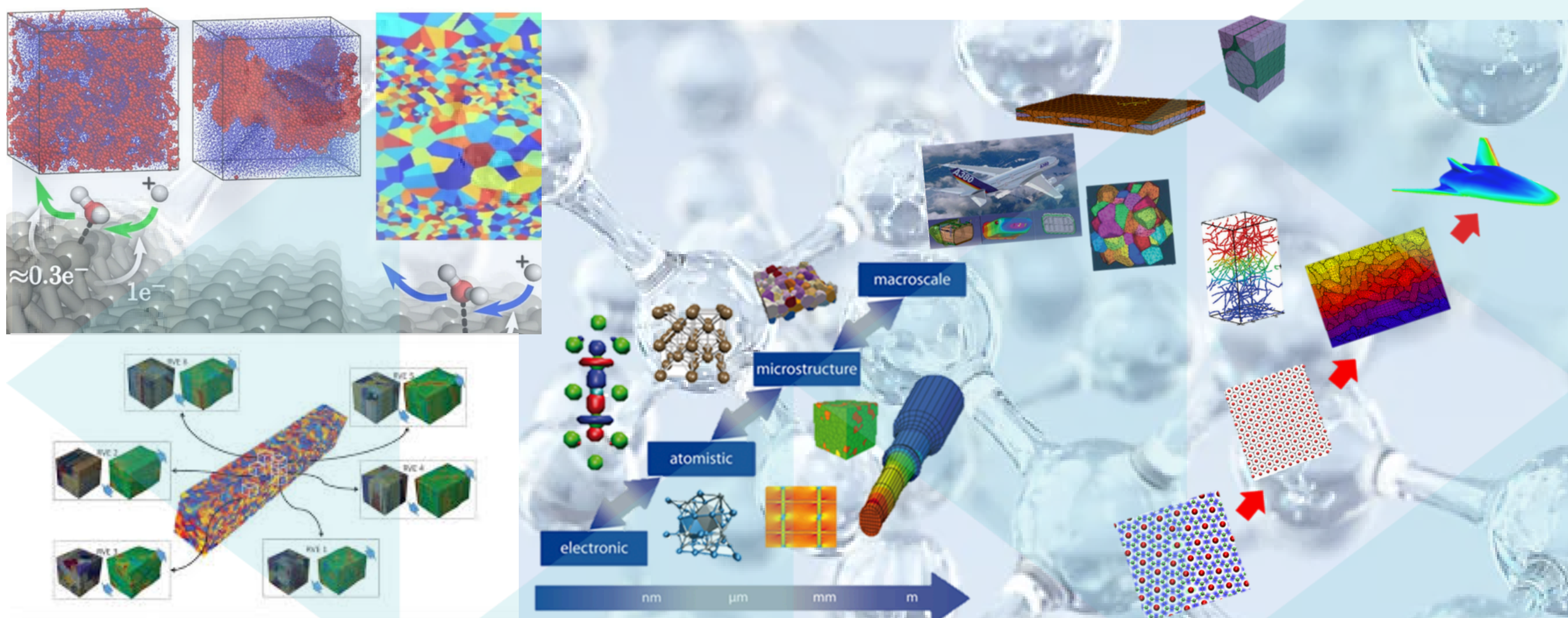


02-DAY WORKSHOP ON COMPUTATIONAL & SIMULATION TOOLS IN NEXT GENERATION MATERIALS & PROCESS DESIGN

14 14-15 May, 2026

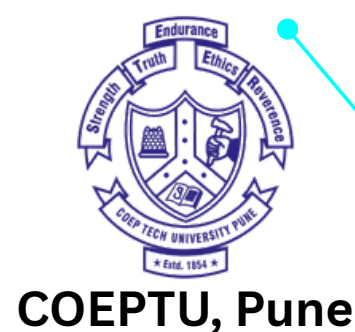


venue



Hotel Pride, 5, University Road, Narveer Tanaji Wadi,
Shivajinagar, Pune, Maharashtra, 411005, India
Google maps link: <https://maps.app.goo.gl/nDsDsEiKx7aCJNKz7>

Organised by



In Association with





About Workshop:

The 2-Day Workshop on “Computational & Simulation Tools in Next-Generation Materials and Process Design” focuses on the integration of modeling, simulation, and AI/ML to accelerate materials innovation. It aims to connect materials design, processing, and performance across scales, showcasing applications in automotive, aerospace, and defense sectors. The event will bring together experts from industry, academia, and R&D to promote collaboration and adoption of AI-Driven and Simulation approaches for faster and smarter materials and manufacturing process development.



Program Outlay & Schedule

Session	Time	Programme	Speaker
DAY 1: 14 May 2026			
	09:30-10:00	Registration	
	10:00 – 10:30	Inaugural Function	
10:30 – 10:50		Tea Break, Networking & Group Photo	
Session 1	10:50 – 11:30	Keynote Inauguration Address	Dr. Satyam Sahay John-Deree, Pune
Session 2	11:30 – 12:30	Application of simulation tools in structural applications	CADFEM
Session 3	12:30 – 13:15	A Digital Twin Framework for Smart Manufacturing Systems	Dr. Sivaprasad Palla Research Consultant, Pune
13:15 – 14:00 (Lunch Break)			
Session 4	14:00 – 15:30	Thermo-Calc in Alloy and Process Development: Introduction and Case Studies	Mr. Rohit Ojha Thermo-Calc software, Pune
15:30 – 15:50		Tea Break & Networking	
Session 5	15:50 – 16:30	TBD	Mr. Satyajit Kulkarni Transvalor, Pune
Session 6	16:30 – 17:15	TBD	Dr. Chandan Choudhary ARAI, Pune
Session 7	17:15-18:00	TBD	Mr. Atul Kumar COMSOL, Pune

DAY 2: 15 May 2026

Session 1	09:30 - 10:30	Keynote lecture on Turning Models into Decisions: Semantics-Enabled Knowledge Orchestration for Accelerated Materials Engineering	Dr. Gerald Tennyson TCS Research, Pune
Session 2	10:30 - 11:15	Advanced Characterizations and material modelling for enhancing simulation accuracy in NexGen Process Design	Mr. Suhail Mulla ARAI, Pune
11:15 - 11:30		Tea Break & Networking	
Session 3	11:30 - 12:30	Application of simulation tools in structural applications	CADFEM
Session 4	12:30 - 13:15	Molecular Dynamics: basics and applications	Dr. Ramakrishnan DYSL-DRDO, Hyderabad
13:15 - 14:00 (Lunch Break)			
Session 5	14:00 - 16:00	Hands on Experience of multiscale modelling (Participants are requested to bring their personal laptop)	DHIO Research
16:00 - 16:15		Tea Break & Networking	
Session 6	16:15 - 17:00	TBD	Mr. Rajat Kumar Hexagon, Pune
17:00 - 17:30		Valedictory, Feedback & Group Photo	



Who Should attend:

- Research & Development Institutes, Laboratories
- Engineering students / PhD Scholar/ Professors
- Materials and Metallurgy/Design Engineers
- Component Manufacturing and Assembling Units
- Material sourcing and Suppliers
- Tier-I, Tier-II, Tier-III component Manufacturers
- Consultants and Advisers
- Designers using software packages
- Project investors and partners Startup



Registration Fee (including GST):

- Non IIM-Member: ₹ 5,900/-
- IIM- Member: ₹ 4,720/-
- Student: ₹ 1,180/-



Registration Link



Click on REGISTER NOW or scan QR code

or copy paste following link in any browser: <https://forms.gle/KXWUpjTQKPS5y2619>



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Student Member, IIMPC

