

Computational Thermodynamics and Kinetics Seminar

Welcome to Thermo-Calc Workshop and 6th User Group Meeting in India.

Venue: Studio, Ground Floor, Hotel Aloft New Delhi Aerocity,
5B IGI T3 Road, Delhi Aerocity, New Delhi, India
Google Maps [link](#)

PROGRAM:

Hands-on Workshop Day 1, Tuesday January 20, 2026

- 08:45– 09:00 Registration and Tea/Coffee
- 09:00 – 10:30 Thermo-Calc Introduction and Examples
- 10:30 – 10:40 *Tea/Coffee Break*
- 10:40 – 12:00 Continued- Thermo-Calc Introduction and Examples
- 12:00 – 12:30 Questions and Discussions
- 12:30 – 13:30 *Lunch*
- 13:30 – 15:00 Additive Manufacturing Module Introduction and Examples
- 15:15 – 15:30 *Tea/Coffee Break*
- 15:30 – 16:30 Continued- Additive Manufacturing Module Introduction and Examples
- 16:30 – 17:00 Questions and Discussions

Hands-on Workshop Day 2, Wednesday January 21, 2026

- 08:45– 09:00 *Networking Tea/Coffee*
- 09:00 – 10:30 Diffusion Module (DICTRA) Introduction and Examples
- 10:30 – 10:40 *Tea/Coffee Break*
- 10:40 – 12:00 Continued- Diffusion Module (DICTRA) Introduction and Examples
- 12:00 – 12:30 Questions and Discussions
- 12:30 – 13:30 *Lunch*
- 13:30 – 15:00 Precipitation Module (TC-PRISMA) Introduction and Examples
- 15:15 – 15:30 *Tea/Coffee Break*
- 15:30 – 16:30 Continued- Precipitation Module (TC-PRISMA) Introduction and Examples
- 16:30 – 17:00 Questions and Discussions

6th India User Group Meeting of Thermo-Calc Software, Thursday January 22, 2026

- 09:00 – 9:15** **Welcome Note and News from Thermo-Calc Software in India**
Rohit Ojha, Managing Director, Thermo-Calc Software AB, India
- 09:00 – 9:15** **Overview of recent developments from Thermo-Calc**
Dr Ake Jansson, Senior Application Specialist and Technical Sales Manager
Dr Bharat Mehta, Applications Specialist, Thermo-Calc Software AB, Sweden
- 10:15-10:45** **Application of Thermo-Calc at Alleima: From Alloy Development to failure analysis**
Dr Deepu John, Associate Lead Scientist and Dr Maheswari Nandakumar, Research Scientist at Alleima
- 10:45 – 11:00** *Tea/Coffee Break*
- 10:45 – 11:00** **Applications of Thermo-Calc for New Product Development and Process Optimization in Steel Industry**
Sanyam Nitin Totade, Researcher at Tata Steel
- 11:45 – 12:30** **Alloy Design through combination of CALPHAD and Artificial Intelligence Algorithms**
Dr Rajesh Jha, Technical Consultant, Former GM at Balasore Alloys Ltd
- 12:30 – 13:30** *Lunch*
- 13:30 – 14:10** **Application of Thermo-Calc for Phase stability and precipitation analysis in various steels**
Dr Anish Karmakar, Associate Professor, Department of Metallurgical and Materials Engineering, IIT Roorkee
- 14:10 – 14:50** **Challenges in CALPHAD-based thermal conductivity modeling for ultrahigh temperature ceramics with porosity**
Dr Soumya Sridhar, Assistant Professor at Department of Metallurgical and Materials Engineering, IIT Madras
- 14:50 – 15:15** *Tea/Coffee Break*
- 15:15 – 15:45** **Simulating Operation of a Basic Oxygen Furnace and Ladle Furnace through Process Metallurgy Module**
Dr Rajesh Jha, Technical Consultant, Former GM at Balasore Alloys Ltd
- 15:45 – 16:45** **Discussions and Feedback**
- 16:45 – 17:00** **Closing Remarks**