Thermo-Calc Software

Computational Thermodynamics and Kinetics Seminar

Welcome to the Thermo-Calc Software User Group Meeting hosted at ICMPE-CNRS in Thiais, France by Jean-Marc Joubert.

PROGRAM:

Thursday November 5, 2026

9:00 – 12:00	**Thermo-Calc Hands-on training / workshop on Additive Manufacturing Module and Calculating materials properties for additive.**
12:00 – 12:30	***Registration***
12:30 – 13:30	***Lunch***
13:30 – 14:00	**News from Thermo-Calc, Overview of recent developments, Outlook to the future** Nicholas Grundy, Thermo-Calc Software AB
14:00 – 14:30	**DED Simulations using Thermo-Calc** Dr. Bharat Mehta, Thermo-Calc Software AB
14.30 – 15.00	**Adapting High-Temperature Steels for Additive Manufacturing** Dr. Manuel Sánchez Poncela - R&D Senior Researcher, ArcelorMittal Global R&D, Spain
15:00 – 15:30	**Crack Susceptibility Coefficient-Based Optimization of Alloy Composition for Hot-Tear Mitigation** Dr. Daniel Irmer - CETIM, Mulhouse, France
15:30 - 16:00	***Coffee break***
16:00 – 16:30	**A Combined CALPHAD and data mining approach for the design of Cu–Al-based high-temperature shape memory alloys** Prof. Dr. Léo Thiercelin - ENSAM Metz, France
16:30 – 17:00	**From CALPHAD calculations to engineering solutions** Dr. Savya Sachi, Thermo-Calc Solutions, Sweden
17:00 – 17:30	**EERZ kinetic modelling of steel refining process** Anissa Sadou, Christoph Stocky - ABS Acciaierie Bertoli Safau S.p.A. France / Italy
17:30 – 18:00	**Microstructural Evolution of Compositionally Graded Materials Induced by High-Temperature Corrosion** Dr. Aurélien Prillieux, IRT Saint Exupéry, Toulouse
18:30 – late	***Social gathering and dinner***

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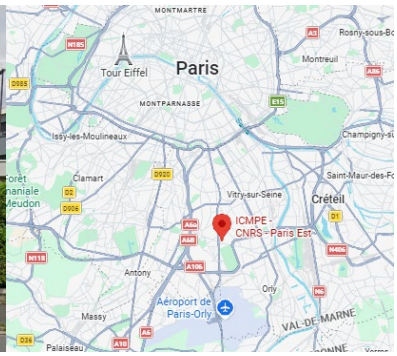
Friday November 6, 2026

09:00 – 09:30	**Calfateria** Dr. Nathalie Dupin, Calcul Thermodynamique, Orcet, France
09:30 – 10:00	**At the Calfateria, discussing Phase diagrams created by Universal Machine Learning Interatomic Potentials** Dr. Suzana Fries, Ruhr Uni Bochum, Germany
10:00 – 10:30	**Bainite – Experiments and Modelling** Dr. Aurélie Jacob, TU Vienna, Austria
10:30 – 11:00	***Coffee break***
11:00 – 11:30	**Solidification path in the iron-rich region of the Fe-B-C ternary system** Luanna Carvalho De Souza, SIMAP, Grenoble, France.
11:30 – 12:00	**Thermodynamic Approaches to Managing Tramp Elements in Steel Production** Nicholas Grundy, Thermo-Calc AB, Sweden.
12:00 – 12:30	**High-throughput calculation of eutectic and congruent compositions for latent heat energy storage** Karoline Borowski, Dr. Jean-Marc Joubert, ICMPE-CNRS, Thiais, France.
12:30 – 13:00	***Identifying Eutectics and Optimal Compositions using Algorithms and Machine Learning, coupled with Thermo-Calc*** *Dr. Katarina Firdova, Dr. Guillaume Deffrennes, SIMAP, Grenoble, France.*
13:00 – 14:00	***Lunch***
14:00 – 15:30	**Lab Tour**

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LOCATION: ICMPE-CNRS Lab, 2 Rue Henri Dunant, 94320 Thiais, France





DINNER: Pizza Party in *La Pratola on* Thursday evening, 5 min walk from ICMPE ICMPE



