

Thermo-Calc Software

Computational Thermodynamics and Kinetics Seminar

Welcome to the Thermo-Calc Software user group meeting in World Trade Center in Stockholm on June 11th, 2025.

PROGRAM:

- 09.00 – 09.45** *Registration and coffee with sandwich*
- 09.45 – 10.00** **Welcome and Introduction**
Dr. Anders Engström, Thermo-Calc Software
- 10.00 – 10.50** **News from Thermo-Calc Software: Thermo-Calc, DICTRA, TC-PRISMA, AM-module and databases**
Dr. Ralf Rettig and Reza Naraghi, Thermo-Calc Software
- 10.50 – 11.10** **Development of recycling process of spent oil desulfurization catalysts: contribution of Thermo-Calc**
Dr. Christophe Ménnétrier, Erasteel, France
- 11.10 – 11.30** **ICME for a green future**
Dr. Sedigheh Bigdeli, Höganäs, Sweden
- 11.30 – 11.45** *Short break with fruits and water*
- 11.45 – 12.05** **Simulation-driven optimization of energy-efficient manufacturing of large steel products**
Dr. Zhangting He, SWERIM, Sweden
- 12.05 – 12.25** **Application of Thermo-Calc & DICTRA in understanding microstructural degradation of high temperature fuel cells & electrolysis cells**
Prof. Ming Chen, Technical University of Denmark, Denmark
- 12.25 – 12.45** **A multilength-scale approach to surface gradients in hardmetals**
Dr. Martin Walbrühl, Sandvik Coromant, Sweden
- 12.45 – 14.00** *Lunch*
- 14.00 – 14.20** **PBF-LB of a non-weldable Ni-base superalloy: Improved understanding of hot cracking using the AM module**
Lic. Eng. Ahmed Fardan, Chalmers, Sweden
- 14.20 – 14.40** **Estimating cold cracking tendency of additively manufactured materials with CALPHAD**
Atte Antikainen, VTT, Finland
- 14.40 – 15.00** **Columnar-to-Equiaxed Transition model for industrial application to additive manufacturing on Ni-based superalloys**
Clara De Monte, GKN Aerospace, Sweden
- 15.00 – 15.20** **Accelerating multi-materials additive manufacturing using ICME**
Dr. John Aristeidakis, QuesTek Europe, Sweden
- 15.20 – 15.50** *Coffee break*
- 15.50 – 16.10** **Application of computational thermodynamics and kinetics to precipitation engineering**
Dr. Tao Zhou, KTH, Sweden
- 16.10 – 16.30** **Homogenization heat treatment of Sanicron 28**
Ulrika Borggren, Alleima, Sweden
- 16.30 – 16.50** **Experimental studies and thermodynamic modeling of oxide systems – Cr-containing slags and REE recovery from P-rich slags**
Prof. Daniel Lindberg, Aalto University, Finland
- 16.50 – ~18.00** **Mingle with wine/bubbles and non-alcoholic options.**

REGISTRATION:

Please send your registration for the seminar via E-Mail before May 23 with your full name and address to: Thermo-Calc Software AB, info@thermocalc.com. Please indicate if any special requirements for food are needed, such as vegetarian or non-dairy.

Seminar fee: 600 kr

LOCATION: World Trade Center (New York Hall)
Klarabergsviadukten 70, Stockholm
www.wtc.se

WELCOME!

For more information about Thermo-Calc, please visit:

www.thermocalc.com