

Computational Thermodynamics and Kinetics Seminar

Welcome to the Thermo-Calc Software user group meeting in World Trade Center in Stockholm **on June 8th, 2023.**

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 and databases**
Reza Naraghi and Dr. Johan Jeppsson Thermo-Calc Software
- 10.50 – 11.10** **ICME model development for the design of steels**
Dr. John Aristeidakis, QuesTek Europe, Sweden
- 11.10 – 11.30** **Towards green Aluminum: Microstructure modelling of the impact of recycling on Al alloys**
Dr. Astrid Marthinsen, SINTEF Industry, Norway
- 11.30 – 11.45** *Short break with fruits and water*
- 11.45 – 12.05** **Materials challenges related to high temperature components in 2-stroke marine engines**
Dr. Kristian Vinter Dahl, MAN Energy Solutions, Denmark
- 12.05 – 12.25** **Simulation of precipitation of γ' and γ'' in Alloy 718**
Dr. Ulrika Borggren, Alleima, Sweden
- 12.25 – 12.45** **The progress of material digital research and application in China**
Prof. Su Hang, Director of material digital R&D center, CISRI, China
- 12.45 – 14.00** *Lunch*
- 14.00 – 14.25** **Applications of Thermo-Calc to steelmaking and processing**
Prof. Andre Costa e Silva, EEIMVR-UFF, Brazil
- 14.25 – 14.50** **Application of computational thermodynamics and kinetics to Additive Manufacturing of steels**
Dr. Greta Lindwall, KTH, Sweden
- 14.50 – 15.15** **Quantitative characterization and modelling of secondary carbides in low alloyed tool steels**
Dr. Erik Claesson, SWERIM, Sweden
- 15.15 – 15.45** *Coffee break*
- 15.45 – 16.05** **Application of ICME materials design approach in surface and joining technology**
Dr. Sedigheh Bigdeli, Höganäs, Sweden
- 16.05 – 16.30** **Engineering applications analysed with the Diffusion module (DICTRA)**
Prof. John Ågren, KTH, Sweden
- 16.30 – 17.00** **Demonstration of the new Additive Manufacturing module in Thermo-Calc**
Dr. Johan Jeppsson, Thermo-Calc Software

REGISTRATION:

Please send your registration for the seminar via E-Mail before May 25 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: 500 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