

Computational Thermodynamics and Kinetics Seminar

Welcome to the Thermo-Calc Software user group meeting in World Trade Center in Stockholm on June 16th, 2016.

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 – 10.45 **News from Thermo-Calc Software: Thermo-Calc, DICTRA, TC-PRISMA and databases**

Dr. Johan Jeppsson and Dr. Qing Chen, Thermo-Calc Software

10.45 – 11.15 **Thermodynamic and Kinetic modelling – a Renaissance in materials science and engineering**

Prof. John Ågren, KTH, Sweden

11.15 – 11.30 *Short break with fruits and water*

11.30 – 11.50 **Calculating phase transformations in duplex stainless steels using computational thermodynamics**

Dr. Sten Wessman, KIMAB, Sweden

11.50 – 12.10 **Application of DICTRA in development of MCrAlX coatings**

Dr. Ru Lin Peng, Linköping University, Sweden

12.10 – 12.30 **Applications of computational thermodynamics to product and process development at SSAB**

MSc. Ulrika Borggren, SSAB, Sweden

12.30 – 13.45 *Lunch*

13.45 – 14.15 **Application of computational thermodynamics to steel processing and alloy design**

Prof. André Costa e Silva, EEIMVR-UFF, Brazil

14.15 – 14.45 **Microstructure simulations in ICME settings**

Dr. Georg Schmitz, Access, Germany

14.45 – 15.15 **QuesTek Innovations' use of CALPHAD modelling and Integrated Computational Materials Engineering (ICME) for materials design**

Dr. James Saal, QuesTek Innovations LLC, USA

15.15 – 15.45 *Coffee break*

15.45 – 16.05 **Solutions for metal cutting – applications of thermodynamic calculations**

Dr. Henrik Strandlund, Sandvik Coromant, Sweden

16.05 – 16.25 **Materials design from nano to macro based on ICME in Hero-m**

Prof. Annika Borgenstam, KTH, Sweden

16.25 – 16.45 **Towards an ICME methodology – Current activities in Europe**

Dr. Georg Schmitz, Access, Germany

16.45 – 17.00 **Open discussion**

REGISTRATION:

Please send your registration for the seminar via E-Mail before May 26 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: 400 kr

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

WELCOME!

For more information about Thermo-Calc, please visit:

www.thermocalc.com