

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