

Thermo-Software

Computational Thermodynamics and Kinetics Seminar

Welcome to the Thermo-Calc Software user group meeting at the MINES ParisTech, Sophia Antipolis, **on October 30, 2018.**

PROGRAM:

October 30

08.30 – 09.00 **Registration**

09.00 – 09.15 **Welcome and Introduction**

Therese Gustafsson, Thermo-Calc Software and Dr. Charles-André Gandin, MINES ParisTech

09.15 – 10.30 **News from Thermo-Calc Software: Thermo-Calc, DICTRA, TC-PRISMA and databases**

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10.30 - 11.00 **Coffee break**

11.00 – 11.25 **News from Thermo-Calc Software: Thermo-Calc, DICTRA, TC-PRISMA and databases, continued**

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11.25 – 11.50 **KINE: a module of PhysalurgY for computation of eutectic growth kinetics with thermodynamic databases**

Dr. Oriane Senninger, Dr. Gildas Guillemot and Dr. Charles-André Gandin, MINES ParisTech

11.50 – 12.15 **Appending TCFE8 to deal with cast irons**

Dr. Jacques Lacaze, ENSIACET / CIRIMAT

12.15 – 13.30 **Lunch**

13.30 – 13.55 **The use of Thermo-Calc to improve the production of ferromanganese and silicomanganese alloys**

Dr. Jacques Montagnon

13.55 – 14.20 **Kinetic modelling of the austenite formation in Fe-Mn-Al-C steels**

Dr. Annie Antoni-Zdziobek, SIMAP

14.20 – 14.45 **Massive Calphad calculations of High Entropy Alloys using Thermo-Calc and TC-Matlab toolbox¹**

Dr. Jean-Marc Joubert, I.C.M.P.E

14.45 - 15.15 **Coffee break**

15.15 – 15.40 **Thermodynamics and Kinetics studies related to Aerospace metallic materials**

Dr Mikael PERRUT, ONERA

15.40 – 16.05 **Demonstration of ICME-based Materials Design**

Dr Martin Wahlbrul, QuesTek Europe AB

16.05 – 16.30 **The white precipitates: metallic fission products phases in nuclear fuels Thermodynamic modeling of the Mo-Pd-Rh-Ru-Tc System**

Dr. Stéphane Gossé, Commissariat l'Energie Atomique (CEA) Saclay

16.30 – 16.45 **Open discussion**

REGISTRATION:

Please send your registration for the seminar via E-Mail before October 1 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: 50 EUR

LOCATION: MINES ParisTech, Centre de Mise en Forme des Matériaux, 1 Rue Claude Daunesse,
CS10207, F-06904 Sophia Antipolis Cedex, France

Welcome!

For more information about Thermo-Calc, please visit:

www.thermocalc.com