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## GTT-Technologies' 12th Annual Workshop, Herzogenrath, Germany, June 16-18, 2010

From June 16 - 18 we will run this years workshop on computational thermochemistry. We have already registered a good number of interesting talks from our users and we would like to invite you cordially to come and join us. In fact, we are still in a position to accept further talks for the meeting. So please feel free to let us know in the coming weeks if you would like to present a case study, a data assessment or an interesting process model.

We would like to use this opportunity to already thank all speakers who have agreed to contribute a presentation at this workshop. Once more we have received an excellent echo to our call for presentations and are very pleased to be able to announce the following list of speakers and subjects:

- Jeroen Heulens, Dept. MM, K.U. Leuven, Belgium: "Phase Field Modeling of Isothermal Slag Crystallization Using FACT Databases"
- Bart Klaasen, Dept. MM, K.U. Leuven, Belgium: "Exergetic Efficiency Analysis of a Pyrometallurgical Zinc Recycling Process"
- Johan van Dyk, Sasol Technology, South Africa: "Coal Mineral Behavior During Gasification: Utilization of Empirical Tests and Thermo-Equilibrium Simulation"
- Pawel Drozd, Faculty of Metals Engineering and Industrial Computer Science, AGH University of Science and Technology, Poland: "Simulation of Deoxidation and Refining Process Using SimuSage"
- Helge C. Moog, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) mbH, Germany: "THEREDA - The Thermodynamic Reference Database for Nuclear Waste Disposal in Germany"
- Michael Auinger, Max-Planck-Institut für Eisenforschung GmbH, Germany: "Grain Boundary Oxidation Processes and High Temperature Corrosion"
- Elena Jipnang, SMS Siemag AG, Germany: "Industrial Application of SimuSage for Metallurgical Processes Simulation"

- Torsten Markus, IEF-2, Forschungszentrum Jülich, Germany: "Investigations of Degradation Phenomena in High Temperature Discharge Lamps using Thermo Chemical Modelling"
- Pertti Koukkari, VTT Finland: "From pyro to bio: Applications of the Constrained Gibbs Energy Method"
- Elena Yazhenskikh, Institut für Energieforschung, Forschungszentrum Jülich, Germany: "Thermodynamic Optimisation of the System Al<sub>2</sub>O<sub>3</sub>-K<sub>2</sub>O-Na<sub>2</sub>O-SiO<sub>2</sub>"
- Bronislava Gorr, Institut für Werkstofftechnik, Universität Siegen, Germany: "An Extension of the Data-file for the System Co-Re-Cr-C-O: Sources and Restrictions of the Applicability"
- Sander Arnout, InsPyro, Belgium: "InsPyro: Using Thermodynamics to Inspire Metallurgical Companies"
- Robert Emler, Montanuniversität Leoben, Institut für Gesteinshüttenkunde, Austria: "Assessment of Refractory Corrosion in Cement Clinker Kilns by Means of Process Simulation"
- Michael Schick, German Aerospace Center (DLR), Germany: "Measurement and Simulation of Surface Tension of Liquid Steels"
- Andrea Löffler, Friedrich-Schiller-Universität Jena, Germany: "SolKin - Successful application of the new program to real Al-alloy cases "
- Michael Bäcker, Zenergy, Germany: "ELSA - Production of High Temperature Superconductor Tapes enhanced by Computational Thermochemistry"
- Pertti Koukkari, VTT, Finland : "New applications of ChemSheet"
- Tanja Jantzen, GTT-Technologies: "Progress in data assessments for HotVeGas"
- Markus Beilmann, Institut für Transurane, Karlsruhe, Germany: "A thermodynamic study of the LiF-CaF<sub>2</sub>-ThF<sub>4</sub> system by calorimetry and CALPHAD method"

The venue of the workshop is the Technologiepark Herzogenrath (TPH), Kaiserstrasse 100, 52134 Herzogenrath, Germany, where our offices are located. Please note: just like last year we will use the conference hall in Building I (next to the main entrance to the TPH).

If you would like to register for the workshop, please print out and fill in the registration form <sup>1</sup> and return it by fax as soon as possible to: Ms. Ursula Haese, GTT-Technologies, Fax: +49-2407-59661.

## **DGM European Advanced Training Course "Computer-Aided Thermodynamics"**

As in recent years Prof. Klaus Hack will also this year be one of the trainers of DGMs (Deutsche Gesellschaft für Materialkunde e.V.) European Advanced Training Course on "Computer-Aided Thermodynamics". The course will take place at Maria Laach from June 21 to June 23, 2010. For details please see the course description on the DGM web site <sup>2</sup>.

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<sup>1</sup><http://gttsev.lth.rwth-aachen.de/~cg/Company/News/AnmeldungWS2010.pdf>

<sup>2</sup><http://www.dgm.de/fortbildung/?tgnr=924>

## News from the F\*A\*C\*T Group, CRCT

Our partners at the CRCT<sup>3</sup> have recently released their latest newsletter. Read for instance about the planned enhancements and modifications for the next FactSage version, and the annual upcoming F\*A\*C\*T workshop and conference in May. For the latest news from the CRCT please consult the F\*A\*C\*T News web pages.

**Please fill in this form using block letters and return this page by fax to +49-2407-59661**

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<sup>3</sup><http://www.crct.polymtl.ca/>