Important dates

July 2016 October 2016 December 1 – 2, 2016 1st announcement 2nd announcement ThermAc 2016

Contact

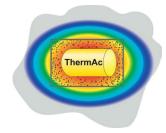
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Photos: hzdr | dXp



Helmholtz-Zentrum Dresden-Rossendorf, Germany

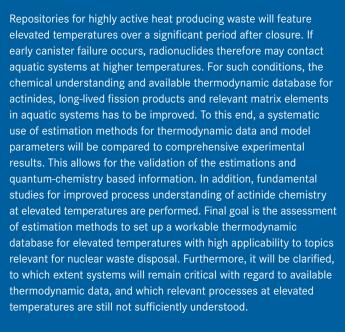
1st to 2nd December 2016

Holder = 60.00 °C

Midterm ThermAc Project Workshop on AQUATIC ACTINIDE CHEMISTRY AND THERMODYNAMICS AT ELEVATED TEMPERATURES







- The number of participants is limited to 50.
- Short proceedings will be issued based on the presentations.
- New: mini poster session during lunch on Dec.2.

ThermAc partners

Marcus Altmaier Karlsruhe Institute of Technology (Germany),

Coordinator

Vinzenz Brendler Helmholtz-Zentrum Dresden-Rossendorf

(Germany)

Petra Panak University Heidelberg (Germany)

Sven Hagemann Gesellschaft für Reaktorsicherheit

Braunschweig (Germany)

Felix Brandt Forschungszentrum Jülich (Germany)

Sven Krüger Technical University Munich (Germany)

Elisenda Colas Amphos 21 (Barcelona, Spain)

Tres Thoenen Paul-Scherrer-Institut (Villigen, Switzerland)



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Tentative Agenda on December 1, starting at 9:00:

Benoit Made (invited) | France

Effect of the increase in temperature in the assessment of actinides behavior in the near field of storage: Approach in "ThermoChimie" database

Dan Miron | Switzerland

Current status of the PMATCH++ software for management and temperature extrapolation of thermodynamic data using the graph database concept

Wolfgang Voigt (invited) | Germany

Continuous description or model switch: Activity coefficient models in broad concentration – temperature ranges

Elisenda Colas | Spain

Entropy and enthalpy data estimation: application to An(III) and An(VI) systems

Andrey Plyasunov (invited) | Russia

Simple methods of short (up to 200°C) temperature extrapolation of equilibrium constants in aqueous media

Carola Franzen | Germany

U-Hydrolysis at higher temperatures: comparing estimations with experiments

Marcus Altmaier | Germany

Solubility and solid phase alterations of actinides at elevated temperatures

Yongliang Xiong | USA

Am(III)/Nd(III)—sulfate interactions at elevated temperatures in high ionic strength environments

Brian Powell (invited) | USA

Quantifying Eu, Np, U, and Pu sorption to hematite at elevated temperatures: Variable temperature batch sorption and calorimetry studies

Andrej Skerencak-Frech | Germany

Thermodynamics of actinides in high temperature aqueous solutions: Application of spectroscopic methods

Sven Krüger | Germany

Quantum chemical modeling of Np hydroxide and carbonate complexes

Viktor Vinograd | Germany

The thermodynamics of the system (Ra,Ba)SO4 + H2O at elevated temperatures: Combining experiment with atomistic simulations

Sven Hagemann | Germany

Determination of the redox-state of concentrated brines at elevated temperatures

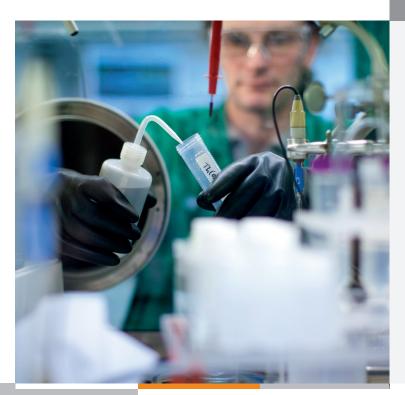
Artem Matyskin | Sweden

Solubility of radium sulfate at elevated temperatures: An experimental approach

Phillipe Blanc | France

Stability of silicates (Clays) with temperature: Thermodynamic properties measurements and predictions

On December2, starting at 9:00, a resume of the workshop and potential collaborations will be discussed. At 11:00, an internal project discussion will conclude the workshop.



Information about accommodation and transport

The following hotels are recommended (all clustered near the stop of the shuttle bus):

Pullman Dresden Newa Prager Strasse 2c

01069 Dresden +49 351 4814109 h1577@accor.com

Ibis Hotels Dresden (Bastei, Königstein,

Lilienstein)

Prager Straße 5/9/13 01069 Dresden +49 351 48564856

reservierung@ibis-dresden.de

Motel One am Zwinger

Postplatz 5 01067 Dresden +49 351 438 38 0

dresden-am-zwinger@motel-one.com

Transport to HZDR and back is organized with a shuttle bus.

1st stop in Dresden is at the parking lot behind "Bastei", 2nd one in front of Motel One. Participants staying in other hotels are expected to come to these meeting points for pick-up.

Please keep in mind that the touristic high season connected to Christmas starts end of November in Dresden.

This will render hotel room booking more and more challenging ...