

PROGRAMME

25.05.2010

17:00 – 18:30

Meeting of working group *Thermophysics*

26.05.2010

08:30 – 10:00

Board meeting (Vorstandssitzung) *GEFTA*

11:00 – 12:30

Meeting of working group *Polymers*

13:00 – 13:20

Opening ceremony JSTAC - DD 2010

01

13:20 - 14:00

Andrzej Małecki (Kraków/PL)

Theoretical Approach to Thermal Decomposition of
Chosen Anhydrous Oxalates

02

14:00 - 14:20

Edgar Langenberg (Lyon/F)

Use of the Calorimetric Techniques in the Evaluation of the
CO₂ Capture and Sequestration Technologies

03

14:20 - 14:40

Barbara Małecka (Kraków/PL)

The Kinetics of Thermal Decomposition of FeC₂O₄ in Inert
Atmosphere at Nonisothermal Conditions

14:40 - 16:00

Coffee break / Poster session

04

16:00 - 16:40

Jaroslav Sesták (Prague/CZ)

Macro and Micro World of Temperature and Thermal
Analysis

05

16:40 - 17:00

Gerhard Schullerus (Hanau/D)

Fluctuations at DSC Measurements/
Messschwankungen bei DSC Messungen

06

17:00 - 17:20

Hans-Peter Ebert (Würzburg/D)

Aims and Activities of the Working Group “Thermophysics”
in the GEFTA

17:30 - 18:30

General meeting (Mitgliederversammlung) *GEFTA*

27.05.2010

07	09:30 – 10:10	Klaus Hack (Aachen/D) The Use of an Integrated Thermodynamic Databank System for the Investigation of Enthalpy Related Reactive Systems
08	10:10 - 10:30	Olga Fabrichnaya (Freiberg/D) Experimental Studies and Thermodynamic Modelling of ZrO ₂ -based Systems
09	10:30 - 10:50	Roland Neher (Dresden/D) Formation of Liquids in the System Al ₂ O ₃ , Y ₂ O ₃ , SiC/ <i>Flüssigphasenbildung im System Al₂O₃, Y₂O₃, SiC</i>
	10:50 - 11:30	Coffee break
10	11:30 - 12:00	Detlef Klimm (Berlin/D) Crystal Growth and Thermal Analysis in Reactive Atmospheres Assisted by Thermodynamic Modeling
11	12:00 - 12:20	Damian M. Cupid (Freiberg/D) Thermodynamic Assessment of the Ti–Al–Nb System using Data from Thermal Analysis
12	12:20 - 12:40	Jörg Acker (Senftenberg/D) Thermodynamic Consideration of Direct Synthesis of Methylchlor-Silanes/ <i>Thermodynamische Betrachtung der direkten Synthese von Methylchlorsilanen</i>
	12:40 - 14:10	Lunch break
13	14:10 - 14:50	Michael Binnewies (Hannover/D) Experimental and Theoretical Methods in Gas Phase Thermochemistry
14	14:50 - 15:10	Bertrand Roduit (Sierre/CH) Estimation of Time to Maximum Rate under Adiabatic Conditions (TMR _{ad}) Using Kinetic Parameters Derived from DSC - Investigation of Thermal Behavior of 3-Methyl-4-Nitrophenol
15	15:10 - 15:30	Heiko Huth (Rostock/D) Calorimetric Investigations of Ultrathin Film of Poly-vinylacetate under Controlled Humidity: Material Science, Calorimetry

	15:30 - 16:50	Coffee break / Poster session
16	16:50 - 17:10	Simone Krüger (Berlin/D) Chemical Analysis of Spruce Wood during Thermal Exposure
17	17:10 - 17:30	Sonja Eichholz (Gießen, Berlin/D) Characterization of Nano-sized Diesel Exhaust Particles by TG-FTIR/MS and Electron Microscopy
18	17:30 - 17:50	Anka Berger (Berlin/D) Assessment of the Explosive Properties and Thermal Hazards of Azodicarboxylates
	18:00	Excursion "Dresden 1756"

28.05.2010

19	09:30 – 10:10	Jerzy Blazejowski (Gdansk/PL) Molecular Interactions in the Context of the Stability and Reactivity of Crystalline Solids
20	10:10 - 10:30	Nadja Huber (Tübingen/D) Coupling μ -XRD ² and DTA: New Insights in Processes with Delicate Temperature Dependence - the Gypsum – Bassanite – Anhydrite System as an Example
21	10:30 - 10:50	Michael Feist (Berlin/D) The Interplay of Thermal and Mechanical Activation. An Attempt to Understand Exothermal Water Release from Pseudoboehmite Phases
	11:00	Closing ceremony

Postersession

P01	T. Schuffenhauer, J. Feller (Dresden/D) Phase Relations in the Ternary System CuO/Ag ₂ O/P ₂ O ₅
P02	R. Wege, J. Feller (Dresden/D) Phase Relations and Chemical Transport in the System Mo/V/O
P03	I. Weimann, J. Feller, Z. Zak (Dresden/D; Brno/CZ) Phase Relations in the Quaternary System Cu/Ni/P/O
P04	A. Lacz, A. Malecki (Krakow/PL) Emission of Harmful Compounds During the Thermal Decomposition of Floor Coverings
P05	L. Hensgen, K. Stöwe (Saarbrücken/D) Combinatorial Discovery of Catalysts for the Oxidation of Soot from Diesel Exhaust Gases with Thermal Analysis
P06	P. Pulišová, E. Večerníková, M. Maříková, J. Šubrt, V. Balek (Husinec-Řež/ CZ) Characterization of Titania Precursors on Heating in Air
P07	A. Czulucki, M. Schmidt, S. Hoffmann, M. Binnewies, E. Milke, R. Kniep (Dresden/D) Thermodynamische Modellrechnungen zum Chemischen Transport von Zr–Pn–Q (Pn = P, As; Q = Se, Te)
P08	S. Hoffmann, A. Wosylus, M. Schmidt, M. Ruck (Dresden/D) Untersuchungen zum Hydrolyseverhalten von BiCl ₃ in Argon mittels TG-MS
P09	M. Worzakowska (Lublin/PL) Curing Reaction of DCPD Terminated Unsaturated Polyesters with Styrene and Methyl Methacrylate
P10	M. Worzakowska (Lublin/PL) The Thermal Properties of ST/UP and ST/UEP Copolymers

P11	L. Strnadlová, P. Šulcová, K. Bořková (Pardubice/CZ) Thermal Study of $\text{Ce}_{0.9}\text{Tb}_{0.1}\text{O}_2$ Compound
P12	P. Šulcová, V. Blovká, J. Luxová (Pardubice/CZ) The Synthesis and Study of PrFeO_3 Compound
P13	P. Šulcová, P. Bystrzycki (Pardubice/CZ) Thermal Study of the $(\text{Bi}_2\text{O}_3)_{0.5}(\text{Ln}_2\text{O}_3)_{0.5}$ Compounds
P14	L. Bukovská, P. Šulcová, M. Vondrášek, (Pardubice/CZ) Synthesis and Colour Properties of $\text{Lu}_2\text{Zr}_{1.5}\text{V}_{0.5}\text{O}_7$ Pigment
P15	E. Hempel, M. Bauer (Teltow/D) Calibration of 3-Layer-Calorimeters for Determination of Storage Capacity of PCMs
P16	L. Adolfová, Ž. Dohnalová, P. Šulcová, M. Trojan (Pardubice/CZ) Synthesis of Cr-doped SrSnO_3
P17	J. Čech, P. Šulcová, Ž. Dohnalová, M. Trojan (Pardubice/CZ) Study of Colour Properties of Ni Doped Titanium Dioxide
P18	D. Merz, O. Dregert (Karlsruhe/D) Water Vapor TA Experiments for Mathematic Modelling of Combustion Processes
P19	M. Grochowicz , B. Gawdzik (Lublin/PL) The Chemical Structure and Thermal Properties of Polymeric Microspheres Obtained from Multifunctional Methacrylate Monomers
P20	P. Davies, W. Kunze, M. Schennen (Crawley/UK, Eschborn/D) The Use of High Heating Rates to Characterize Flame Retardant Materials by Thermogravimetric Analysis

P21	S. Krüger, A. Berger, N. Gude, U. Krause, (Berlin/D)
	Thermoanalytical Investigations During a Car Fire
P22	S. Krüger, T. Raspe, U. Krause, (Berlin/D)
	Investigations of Smoke Emission and Smoke Gas Composition in the Smoke Density Chamber
P23	M. Wszelaka-Rylik, M. Sokołowska, J. Poznański, W. Bal (Warsaw/PL, Wroclaw/PL)
	Three Distinct Binding Sites for Co(II) Ions Human Serum Albumin – Thermodynamic Calculation
P24	P. Gierycz, M. Wszelaka-Rylik (Warsaw/PL)
	Thermal Analysis of Nanostructured Calcite Crystals Covered with Phospholipid Layers
P25	R. Geißler (Neuherberg/D)
	Assays of Complex Samples Using Mass Spectrometry with Soft Single Photon Ionisation Coupled to Thermal Analysis
P26	M. Schöneich, T. Lorenz, M. Bawohl, T. Nilges, P. Schmidt (Dresden, Münster, München/D)
	Phase Formation in the System Hg/P/I Induced by Evaporation Pressure
P27	E. Füglein (Selb/D)
	Some Remarks on ASTM E 2105-00: Standard Practice for General Techniques of Thermogravimetric Analysis (TGA) Coupled with Infrared Analysis (TGA/IR)
P28	S. Eichholz, E. Füglein (Selb/D)
	Zinc Stearate a Standard Material for the TG-FTIR Method? Related to ASTM E 2105-00: Standard Practice for General Techniques of Thermogravimetric Analysis (TGA) Coupled with Infrared Analysis (TGA/IR)