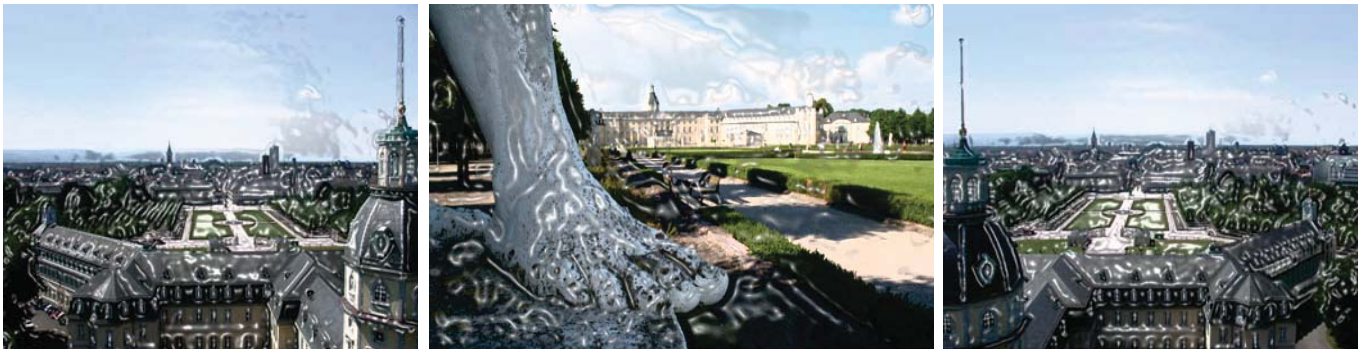




DEUTSCHE TON- UND TONMINERALGRUPPE



5th International Workshop „Clays and Clay minerals analysis“



Karlsruhe,
25th February - 1st March, 2013

5. DTTG Workshop 2013

	25.02.2013 Montag	26.02.2013 Dienstag	27.02.2013 Mittwoch	28.02.2013 Donnerstag	01.03.2013 Freitag
9:00-10:30	9:00-9:30 Opening	XRD, Rietveld with exercises (Kleeberg/Ufer)	Simultaneous Thermal Analysis (STA) in Clay Science (Emmerich)	Surface Area and Porosity (Weidler)	Lab Course
9:30-10:30	Introduction, Definition, Clay mineral structures (Emmerich)				
10:30-11:00	Coffee	Coffee	Coffee	Coffee	Coffee
11:00-12:00	Diagnostic intercalation of organic compounds into clay minerals (Plötze)	XRD, Rietveld with exercises (Kleeberg/Ufer)	STA exercises (Emmerich/ Steudel)	Interfacial charges and potentials (Stanjek/Weber)	Sorption processes on clays (Schäfer)
12:00-13:00	Lunch	Lunch	Lunch	Lunch	Lunch
13:00-14:30	Mixed layer minerals- Basal reflections (Ufer) Software demonstration for onedimensional modeling of clay mineral patterns (Kleeberg)	XRD, Rietveld with exercises (Kleeberg/Ufer)	Cation exchange capacity of clay minerals (Plötze) Layer charge density of montmorillonite (Kaufhold)	Infrared Spectroscopic Methods in Clay Mineralogy (Friedrich)	Introduction to X-ray spectroscopy (XAFS) in clay research (Denecke)
14:30-15:00	Coffee	Coffee	Coffee	Coffee	Coffee
15:00-16:00	Sample preparation for clays and clay minerals- From clay to XRD specimen (Kleeberg/Plötze)	XRD, Rietveld with exercises (Kleeberg/Ufer)	Lab Course	Poster Participants	15:00-17:00 Tour at KIT
16:00-17:30	Lab course				
evening			17:00 Departure	Electron optical microscopy (Warr)	17:00-17:30 Feedback, Closing
			workshop dinner		

Speakers

name	affiliation
Denecke, Melissa	Karlsruhe Institute of Technology
Emmerich, Katja	Karlsruhe Institute of Technology
Friedrich, Frank	Karlsruhe Institute of Technology
Kaufhold, Stephan	BGR/LBEG Hannover
Kleeberg, Reinhard	TU Bergakademie Freiberg
Plötze, Michael	ETH Zürich
Schäfer, Thorsten	Karlsruhe Institute of Technology
Ufer, Kristian	TU Bergakademie Freiberg
Warr, Laurence	Ernst-Moritz-Arndt-University Greifswald
Weber, Christian	RWTH-Aachen
Weidler, Peter	Karlsruhe Institute of Technology

Participants

name	affiliation
Kolb, Helmut	Holcim Group Support Ltd Materials Technology
Wang, Xiaoli	Mineralogisches Institut TU Bergakademie Freiberg
Wojatschke, Jasmaria	Institut für Geographie und Geologie Universität Greifswald
Köster, Mathias	Lehrstuhl für Ingenieurgeologie Technische Universität München
Berger, Jochen	Institut für Bodenkunde und Standortslehre, Universität Hohenheim
Ilijanic, Nikolina	Croatian Geological Survey
Sapega, Vladimir F.	A.P. Karpinsky Russian Geological Research institute
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Kareem, Rikan	Department of Earth Sciences, Durham University, UK
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Bestel, Martina	Paul Scherrer Institut, Villigen, Schweiz
Hollanders, Sofie	KULeuven, Belgien, Section Applied Geology and Mineralogy
Dietel, Jan	Institut für Geographie und Geologie Universität Greifswald