



DEUTSCHE TON- UND TONMINERALGRUPPE

7th International Workshop

Qualitative and Quantitative Analysis of Clays and Clay Minerals

ERNST MORITZ ARNDT
UNIVERSITÄT GREIFSWALD



Wissen
lockt.
Seit 1456



University of Greifswald, Germany, February 20 to 24th 2017

supported by the



7th International DTTG Workshop at the University of Greifswald

				ROOM
Mo 20.Feb	Day 1: Introduction and Identification of Clay Minerals			
	08:30	09:00	Registration, Opening and Welcome	K3
	09:00	09:45	Introduction to Clay Mineralogy	Warr K3
	09:45	10:30	Structure of Clay Minerals	Emmerich K3
	10:30	11:00	COFFEE BREAK	K3
	11:00	11:45	Multianalytical Approach to Studying SMECTITE	Kaufhold K3
	11:45	12:30	Multianalytical Approach to Studying ILLITE	Grathoff K3
	12:30	13:30	LUNCH BREAK	
	13:30	14:15	Sample Prep Lecture: Powder & Oriented	Kleeberg/Grathoff K3
	14:15	16:00	Lab: Sample Prep-XRD RP/XRD OA/EM (3 groups)	Dietel/Grathoff/Warr 103/6/7
	16:00	16:30	COFFEE BREAK	K3
	16:30	17:30	Lab: Basic Identification of Clay Minerals Using XRD	Grathoff & group K3
Tue 21. Feb	Day 2: Rietveld Analysis of Clay Minerals			
	09:00	10:30	Intro Quantitative Phase Analysis; Basics Rietveld	Kleeberg K3
	10:30	11:00	COFFEE BREAK	K3
	11:00	12:30	Peak Profile Modeling, QPA Problems	Kleeberg K3
	12:30	13:30	LUNCH BREAK	
	13:30	14:15	Description of Disorder in Structural Models	Dietel K3
	14:15	15:00	Interstratifications –An introduction	Dietel K3
	15:00	15:30	COFFEE BREAK	K3
	15:30	18:00	Rietveld QPA of Clays & BGMN Exercises	Kleeberg/Dietel K3
			GEOLOGENKELLER SOCIAL	K3
Wed 22. Feb	Day 3: Physical, Chemical, and Thermal Properties of Clay Minerals			
	09:00	10:30	Clays and Geotechnics - Problems & Applications	Plötze K3
	10:30	11:00	COFFEE BREAK	K3
	11:00	11:45	IR-Spectroscopy	Kaufhold K3
	11:45	12:30	Cation Exchange Capacity of Clay Minerals	Plötze K3
	12:30	13:30	LUNCH BREAK	
	13:30	15:00	Thermal Analysis in Clay Science	Emmerich K3
	15:00	15:30	COFFEE BREAK	K3
	15:30	16:30	LAB STA	Emmerich K3
	16:30	17:30	LAB (CEC/Insitu XRD/portable XRF) choose 2 of 3	Plötze/Warr/Grathoff
	19:00		WORKSHOP DINNER AT FISCHERHÜTTE, WIEK	
Th 23. Feb	Day 4: Electron Microscopy			
	09:00	09:30	Introduction to Electron Microscopy	Warr K3
	09:30	10:15	FIB-SEM	Peltz K3
	10:15	10:45	COFFEE BREAK	K3
	10:45	11:30	TEM	Schleicher K3
	11:30	12:00	TEM-EDX	Kasbohm K3
	12:00	13:00	LUNCH BREAK	
	13:00	14:00	Lab 1 3 groups of 5 (SEM,FIB-TEM)	Peltz/Warr/Schleicher 107/8/9
	14:00	14:15	COFFEE BREAK	
	14:15	15:15	Lab 2 3 groups of 5 (SEM,FIB-TEM)	Peltz/Warr/Schleicher 107/8/9
	15:15	15:30	COFFEE BREAK	
	15:30	16:30	Lab 3 3 groups of 5 (SEM,FIB-TEM)	Peltz/Warr/Schleicher 107/8/9
Fri 24. Feb	Day 5: Isotopes, Pores and Surfaces of Clay Minerals			
	09:00	10:30	Stable Isotopes of Clays	Gilg K3
	10:30	11:00	Radiogenic Isotopes	Grathoff K3
	11:00	11:30	COFFEE BREAK	K3
	11:30	13:00	Pores and Surfaces of Clay Minerals	Bertier K3
	13:00	14:00	LUNCH BREAK	
	14:00	15:30	OPEN LAB 1	107/8/9
	15:30	16:00	COFFEE BREAK	
	16:00	17:00	OPEN LAB 2	107/8/9

Speakers

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