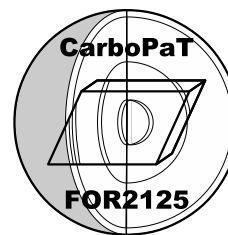


Program of the 5th meeting of the FOR2125

"Structures, properties and reactions of carbonates at high temperatures and pressures"



Thursday, 6th April 2017

time	project	speaker	title
12:30 – 13:15	lunch		
13:30 – 14:00	0	B. Winkler	Introduction
14:00 – 14:30	6	C. McCammon	Spotlight on carbonates with a DCO perspective
14:30 – 15:00	7	L. Dubrovinsky	Great redox agents of the Earth mantle: Carbon, Iron, and Oxygen
15:00 – 15:30	4	K. Appel/ N. Biedermann	Trace element fractionation processes between carbonates and silicates at mantle conditions – current status and outlook
15:30 – 15:50	coffee break		
15:50 – 16:10	1	M. Stękiel	High pressure elastic properties of FeCO ₃ –MgCO ₃ carbonates
16:10 – 16:30	1	C.-J. Fruhner	Phase stabilities of carbonates at high pressures and temperatures studied in the LH-DAC by CARS and TRLFS
16:30 – 16:50	6	S. Chariton	Elastic properties of iron-bearing carbonates
16:50 – 17:20	2	I. Efthimiopoulos/ C. Otzen	Phase diagram of Strontianite determined by vibrational spectroscopy
17:20 – 18:20	discussion with Mrs. Faulhaber (DFG)		
19:00	dinner		

Friday, 7th April 2017

time	project	speaker	title
06:00 – 09:00	breakfast		
09:30 – 10:00	–	M. Tichomirowa	Carbonatites – igneous rocks from the Earth's mantle
10:00 – 10:20	5	T. Schlothauer	Carbonates, HP-phases and shock waves – a good combination?
10:20 – 11:00	guided tour at the telegrafenberg & coffee break		
11:00 – 11:20	–	C. Weis/ M. Wilke	Pressure-induced spin transition of Fe ²⁺ in siderite and magnesio-siderite studied by x-ray Raman scattering and x-ray emission
11:20 – 11:50	0	B. Winkler	Final remarks
12:00 – 12:45	lunch		
13:00	laboratory tour (optionally)		