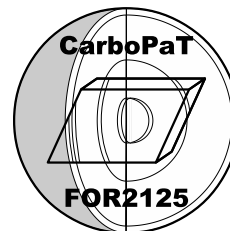


## Program of the 2<sup>nd</sup> meeting of the FOR2125/2

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



Thursday, 04<sup>th</sup> October, Limes Hotel Wehrheim

time	project	speaker	title
12:30 – 13:45	lunch		
14:00 – 14:15	0	B. Winkler	Introduction
14:15 – 15:00	–	J.-F. Lin	Physics and chemistry of methane hydrate in the Gulf of Mexico
15:00 – 15:45	–	J. Li	Melting and freezing of subducted carbonates
15:45 – 16:30	coffee break and group picture		
16:30 – 16:50	3	C. Albers	Electronic structure and formation of carbonates at conditions of the Earth's lower mantle
16:50 – 17:10	4	J. Kaa	Stability of CaCO <sub>3</sub> in Earth's lower mantle
17:10 – 17:20	4	L. Libon	Introducing herself
17:20 – 17:40	8	M. Sieber	COH fluid driven carbonation of serpentinites within the forearc region of the mantle wedge and in the subducting slab
17:40 – 18:00	9	L. Pennacchioni	Microfluidics and Elasticity, introducing Lea Pennacchioni
18:00 – 18:10	–	S. Lobanov	
19:00	dinner		

Friday, 05<sup>th</sup> October, Limes Hotel Wehrheim

time	project	speaker	title
07:00 – 08:45	breakfast		
09:00 – 09:20	1	J. Binck	Phase stabilities of ternary (Ca, Fe, Mg) and binary (Ca, Fe) carbonates at high pressures and temperatures studied in the LH-DAC by Raman spectroscopy
09:20 – 09:40	1	M. Stękiel	Lattice dynamics of carbonates at extreme conditions
09:40 – 10:00	6	S. Chariton	Part 1: CarboPaT Sample Inventory Part 2: Carbonates detectability in the deep Earth
10:00 – 10:20	6	S. Dominijanni	What is the oxygen fugacity in a DAC?
10:20 – 10:50	coffee break		
10:50 – 11:10	7	D. Simonova	High pressure behavior of AlOOH and Phase-D
11:10 – 11:30	7	I. Koemets	What we learned about Fe <sup>3+</sup> -rich silicate perovskites
11:30 – 11:45	0	B. Winkler	Final remarks
12:00	lunch		
15:00	laboratory tour at Goethe University for our guests		