



Program for MSA/GS
Short Course in Thermodynamics and Kinetics of Fluid Rock Interaction
Congress Centre, Davos, Switzerland, June 19-21, 2009

Friday, June 19	
18 :00	Icebreaker at the Sunstar Parkhotel Davos
19 :30	http://www.sunstar.ch/english/davos/default.htm#
Saturday, June 20	
9 :00	General Welcome (Oelkers and Schott)
9 :15	
9 :15	Eric OELKERS (Toulouse, FRANCE): Thermodynamics of fluid-mineral reactions
10 :15	
10 :15	Discussion + Coffee
10 :45	
10 :45	Manuel PRIETO (Oviedo, SPAIN): Thermodynamics of aqueous solution – solid solution systems
11 :45	
11 :45	Discussion
12 :00	
12 :00	Lunch
13 :15	
13 :15	Dmitrii KULIK (Villigen PSI, SWITZERLAND) : Thermodynamic concepts in modeling sorption at the mineral-water interface
14 :15	
14 :15	David SHERMAN (Bristol, UK): Surface complexation modelling: mineral-fluid equilibria at the molecular scale
15 :15	
15 :15	Discussion and coffee
15 :45	
15 :45	Jacques SCHOTT (Toulouse, FRANCE): The link between mineral dissolution/precipitation kinetics and solution chemistry
16 :45	
16 :45	Jiwchar GANOR (Beer-Sheva, ISRAEL): Organics in water-rock interactions
17 :45	
17 :45	Discussion and aperitifs
19 :00	



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Sunday, June 21	
9 :00	Bertrand FRITZ (Strasbourg, FRANCE) and Claudine NOGUERA (Paris, FRANCE): Mineral precipitation kinetics
10 :00	
10 :00	Discussion and coffee
10 :30	
10 :30	Andrew PUTNIS (Muenster, GERMANY): Mineral replacement reactions
11 :30	
11 :30	Discussion
11 :45	
11 :45	Lunch
13 :00	
13 :00	Carl STEEFEL (Berkeley, California, USA): Fluid-rock interaction: a reactive transport approach
14 :00	
14 :00	Chen ZHU: (Indiana University, USA): Geochemical modeling of dissolution and precipitation kinetics
15 :00	
15 :00	Discussion and coffee
15 :30	
15 :30	Yves GODDERIS (Toulouse, FRANCE): Reactive transport calculations from field to global scales
16 :30	
16 :30	Susan BRANTLEY (State College Pennsylvania, USA): Approaches to modelling weathered regolith
17 :30	
17 :30	Discussion/Goldschmidt meeting icebreaker