

ERICA Modelling workshop

Wednesday 16th January - from 13:45 to Thursday 17th January 2019, EPFL, Lausanne, Switzerland

Room: Dia004

Programme

Wednesday 16th January 2019			
	Blocks		Lead
13:45		Introduction	Fabien /Peter/Paul
14:00	Atomistic level	The importance of defects, interlayer composition and surfaces at the atomistic level towards understanding gel pore formation	Aslam Kunhi Mohamed
14:30		Zeta potential and distance-dependent diffusivity	Milan Predota
15:15		Sulfate adsorption on cementitious materials	Masood Valavi
15:30		Sulfate adsorption in cementitious materials	Franco Zunino
15:45		Discussion	
16.00 Break			
16:30	Surface and NMR	Linking simulation to NMR – the first MD steps current progress	Dave Faux
17:00	Meso level	Effect of EDL on transport	Ravi Patel
17:30		Chemical activities and potentials across scales	Fabien/Khalil
17:45		Discussion	
End day 18.00			
Thursday 17th January 2018			
8:30	Kinetics - Microstructure	Modelling the later age hydration kinetics of Alite	Alexandre Ouzia
9:00		A Population Balance Modelling Approach to C-S-H precipitation – the near surface secondary nucleation assumption	Reza Andalibi
9:30		The sheet growth models: current state and future plans	Merlin Etzold
10:00		Discussion	
Break 10.30			
11:00		Validation of numerical codes – analytical expressions and experiments – which problems should we solve ?	Peter/Fabien
12:15		Conclusion and plans	Peter/Karen
Lunch 12.30			
End day 2			



Participant list :

EPFL:

Karen Scrivener, Paul Bowen, Fabien Georget, Masood Valavi, Khalil Ferjaoui, Aslam Kunhi Mohamed, Alexandre Ouzia, Franco Zunino

Surrey:

Peter McDonald, Dave Faux, Arifah Abduris, Miryea Nicole Borg

PSI:

Reza Andalibi, Ravi Patel

TU Wien:

Nabor Segura, Petr Dohnalik

Others:

Merlin Etzold, Milan Predota