

## ERICA Modelling workshop

Wednesday 11<sup>th</sup> July - from 11:00 to Thursday 12<sup>th</sup> July 2018 after lunch, EPFL, Lausanne, Switzerland

**Potential participants** :Reza Andalibi (PSI), Paul Bowen (EPFL), Dave Faux (Surrey), Sandra Galmarini (Empa), Aslam Kunhi Mohamed (EPFL), Peter McDonald (Surrey), Long Nguyen Tuan (Weimar), Alexandre Ouzia (EPFL), Karen Scrivener (EPFL), Masood Valavi (EPFL), Jigar Parekh (prospective student) and Khalil Ferjaoui (prospective student)

**Draft Programme** blocks of short presentations focussing on implementation, software, and more followed by discussions

<b>Wednesday 11<sup>th</sup> July 2018</b>			
	Blocks		Lead
11:00		Introduction	P. McDonald
From 11:30	Atomistic level	From atomistic to mesostructures and sorption...the key questions	P. Bowen
		The importance of defects, interlayer composition and surfaces at the atomistic level towards understanding gel pore formation	A. Kunhi Mohamed
		A tool for producing numerical porous microstructures from cylindrical particles	S. Galmarini
		Discussion	
<b>Lunch</b>			
13:30	Surface and NMR	Linking simulation to NMR	D. Faux
		Discussion	
<b>Break</b>			
	Meso level	The sheet growth models: current state and technical issues	M. Etzold
			L. Nguyen Tuan
		Discussion	
<b>End day 1</b>			
<b>Thursday 12<sup>th</sup> July 2018</b>			
From 8:30	Kinetics/Microstructure	Modelling the later age hydration kinetics of Alite	A. Ouzia
		On The Mesoscale Mechanism of Synthetic Calcium-Silicate-Hydrate Precipitation: A Population Balance Modelling Approach	R. Andalibi



		Discussion	
<b>Break</b>			
	Transport/LB/		B. Pichler
		Discussions	
<b>Lunch</b>			
<b>End day 2</b>			