

Agenda - Training School 1

Date: 24 – 26 May 2023
Venue: FLSmidth, Vigerslev Allé 77, 2500 København, Denmark
Building: Building E, Room: CPH E-122
Registration: Register at the main entrance

Scientist in charge: Prof. Mette Rica Geiker (Mette.Geiker@ntnu.no)
Host: Pinto Christy (Pinto.Christy@flsmidth.com)

Day 1: Wednesday 24 May		
Kick-off Meeting and Introduction		
Time	Presentations	Presenter/Additional information
09:45 – 10:00	Get together	
10:00 – 10:30	Welcome address and CO2Valorize project overview	Pinto Christy
10:30 – 11:00	Tour de Table and introduction of the DCs and the supervisors and introduction to Training School 1	Mette Geiker
11:00 – 11:30	Introduction of the CO2Valorize Training Programme	Tobias Bauer
11:30 – 12:00	General function and procedures of the network	Tobias Bauer
12:00 – 13:00	Lunch break	
13:00 – 14:00	Industry talk: Cement production, Mission Zero approach, and research needs	Aleksandra Novakovic-Andric
14:00 – 14:30	Industry talk: De-carbonation of the cement industry	Tobias Echberg Nielsen
14:30 – 15:30	Model-based design of experiments (incl. 30 min QA)	Fabrizio Bezzo
15:30 – 16:00	Coffee break	
16:00 – 17:00	Transferable skills training: How to organize an industrial PhD project (incl. 30 min QA)	Isabel Segura
17:00 – 17:30	Transferable skills training: Data management and data rules	Tobias Bauer
18:00 – 20:00	Joint dinner / Poster session (at FLS)	

Day 2: Thursday 25 May		
Materials and Characterization		
Time	Presentations	Presenter/Additional information
08:45 – 09:00	Get together	
09:00 – 10:00	SCMs: Fundamentals, reactivity assessment, and optimization in composite cements	Wilson da Silva
10:00 – 11:00	Characterization of particulate matter I (particle size distribution, surface area, density, porosity, etc.)	Martin Rudolph
11:00 – 12:00	Characterization of particulate matter II (elemental composition, mineralogy, morphology, crystalline and amorphous material)	Günter Beuchle & Krassimir Garbev
12:00 – 13:00	Lunch break	
13:00 – 14:00	Property development of cement-based materials and issues to consider when testing	Mette Geiker
14:00 – 15:00	Thermodynamic modelling of cement-based materials	Barbara Lothenbach
15:00 – 15:30	Coffee break	
15:30 – 16:15	Transferable skills training: Intellectual Property	Kasper (Pinto Christy)
16:15 – 17:00	Transferable skills training: Project Management	Pinto Christy
18:00 – 20:00	Joint dinner in town	

Day 3: Friday 26 May

Planning Sessions

Time	Presentations	Presenter/Additional information
08:45 – 09:00	Get together	
09:00 – 10:00	Circular concrete as a building block for a sustainable construction industry	Peter Stemmermann
10:00 – 11:00	Interaction between projects and DCs	Pinto Christy
11:00 – 11:30	Coffee break	
11:30 – 12:00	Reflections, next steps and outlook (Mid-term review, Training School 2)	Pinto Christy/Tobias Bauer
12:00 – 13:00	Lunch break	
13:00	Farewell and end of the meeting	

Updated 11th May 2023 (Geiker)