

# Agenda

## Training School-4, International Workshop & Project Meeting

### Day-1, Tuesday, 18th November Training School-4

**Venue:** Technical University of Denmark, Chemical Engineering Department - Søltofts Plads **Building 229**, 2800 Kgs. Lyngby, Denmark, **Room: 003**  
**Hosts:** Isabel Pol Segura ([iseg@flsmidth.com](mailto:iseg@flsmidth.com)) and Peter Arendt Jensen ([paj@kt.dtu.dk](mailto:paj@kt.dtu.dk))

Time (CET)	Presentations	Presenter	Audience
9:00 – 9:15	Welcome and introduction to the training school	Isabel Pol Segura (FLSC) and Peter Arendt Jensen (DTU)	DCs, and presenters
9:15 – 10:00	Overview of carbonation technologies	Isabel Pol Segura (FLSC)	DCs, and presenters
10:00–10:30	Coffee break		
10:30–11:30	Wet Carbonation Reactor	Isabel Pol Segura (FLSC)	DCs, and presenters
11:30–12:30	Semi-Dry Carbonation Reactor	Isabel Pol Segura (FLSC)	DCs, and presenters
12:30– 13:30	Lunch break		
13:30 – 14:45	Responsible conduct of research (RCR): <ul style="list-style-type: none"> <li>The basics of RCR</li> <li>Author- and co-authorship</li> <li>The use of generative AI</li> <li>Copyright</li> </ul>	Kasper Bøgh Pedersen (DTU)	DCs, and presenters
14:45 -15:00	Break		
15:00 – 16:00	Dilemma Game	Kasper Bøgh Pedersen (DTU)	DCs, and presenters

### Day-2, Wednesday, 19th November Training School-4

**Venue:** Technical University of Denmark, Chemical Engineering Department - Søltofts Plads **Building 229**, 2800 Kgs. Lyngby, Denmark, **Room: 003**  
**Hosts:** Isabel Pol Segura ([iseg@flsmidth.com](mailto:iseg@flsmidth.com)) and Peter Arendt Jensen ([paj@kt.dtu.dk](mailto:paj@kt.dtu.dk))

Time (CET)	Presentations	Presenter	Audience
9:00 – 9.15	Welcome and opening remarks	Isabel Pol Segura (FLSC)	DCs, and presenters
9:15 – 10:00	Industrial applications of carbonation	Isabel Pol Segura (FLSC)	DCs, and presenters
10:00 – 10:30	Coffee break		
10:30 – 12:30	Multiphase flow measurements in carbonation	Till Zürner (HZDR)	DCs, and presenters
12:30 – 13:30	Lunch break		
13:30 – 14:45	Open Access and Publishing: <ul style="list-style-type: none"> <li>Why Open Access matters</li> </ul>	Maria Ravnkilde Christensen (DTU)	DCs, and presenters

	<ul style="list-style-type: none"> <li>The three main types of Open Access: green, hybrid and golden</li> <li>Where to find Open Access options (journals, discounts, embargo periods, national agreements)</li> </ul>		
14.45 -15.00	Break		
15.00 – 16.00	<ul style="list-style-type: none"> <li>Special Open Access requirements related to EU Horizon</li> <li>Publishing and predatory journals</li> </ul>	Maria Ravnkilde Christensen (DTU)	DCs, and presenters
18:30 – 20:30	<ul style="list-style-type: none"> <li>Social Activity as End of Training School</li> </ul>	-	DCs, and presenters

### Day-3, Thursday, 20th November International Workshop

**Venue:** Technical University of Denmark, Chemical Engineering Department - Søtofts Plads **Building 228A**, 2800 Kgs. Lyngby, Denmark, **Room: Lounge**  
**Hosts:** Isabel Pol Segura ([iseg@flsmidth.com](mailto:iseg@flsmidth.com)) and Peter Arendt Jensen ([paj@kt.dtu.dk](mailto:paj@kt.dtu.dk))

Time (CET)	Presentations	Presenter	Audience
9:00 – 9.15	<b>Welcome and introduction to the International Workshop:</b> Part I - Presentations from DCs + Q&A	Isabel Pol Segura	DCs, Supervisors, Consortium, External stakeholders
9:15 – 9.40	DC1 - Characterisation of raw materials, carbonated components, and cementitious products	Mengfan Yu	DCs, Supervisors, Consortium, External stakeholders
9.40 – 10.05	DC2 - Supplementary Cementitious Materials (SCMs) from Waste Concrete: Carbonation Kinetics in a Semi-Dry Stirred Reactor	Claudia Rodriguez	DCs, Supervisors, Consortium, External stakeholders
10.05 – 10.30	DC3 - Aqueous carbonation of mineral tailings: reaction mechanisms and in- Situ compositional analysis using Raman spectroscopy	Sahra Homaei	DCs, Supervisors, Consortium, External stakeholders
10.30 – 11.00	DC4 - Investigation of the carbonation performance of cement-based materials at high temperatures.	Arailym Umirova	DCs, Supervisors, Consortium, External stakeholders
11.00 – 11.25	Coffee break		
11.25 – 11.50	DC5 - Process optimization of aqueous mineral carbonation using novel three-phase reactors.	Elena Maria Salute	DCs, Supervisors, Consortium, External stakeholders
11.50–12.15	DC6 - Streamlining experimental information for carbonation process modelling.	Zuhair Tabrizi	DCs, Supervisors, Consortium, External stakeholders
12.15 –12.40	DC7 - Integrating state-of-the-art technologies for sustainable cement production	Leonardo Varnier	DCs, Supervisors,

			Consortium, External stakeholders
12.40 – 13.05	DC8 - Techno-economic assessment of CO2 neutral cement plants.	George Melitos	DCs, Supervisors, Consortium, External stakeholders
13.05 – 14.05	Lunch break		
14.05 – 14:15	<b>Introduction to the International Workshop:</b> Part II - Presentations from external stakeholders + Q&A	External stakeholders	DCs, Supervisors, Consortium, External stakeholders
14:15-15:00	CO2 utilization in construction materials: Theory, practice, and industrial landscape	Sumit Srivastava, CRH	DCs, Supervisors, Consortium, External stakeholders
15:00-15:15	Break		
15:15-16:00	Potential CO <sub>2</sub> avoidance in cement and concrete production from carbonated recycled concrete fines	Duncan Herfort, Cementir Holding	DCs, Supervisors, Consortium, External stakeholders
16:00- 16:45	From atmosphere to infrastructure: Paebbl's scale-up journey from lab chemistry to real-world construction.	Luiz Miranda, Paebbl	DCs, Supervisors, Consortium, External stakeholders
18:30 – 21:00	Social Dinner	-	DCs, Supervisors, Consortium, External stakeholders

## Day-4, Friday, 21<sup>st</sup> November CO2Valorize Meeting

**Venue:** Technical University of Denmark, Chemical Engineering Department - Søtofts Plads **Building 229**, 2800 Kgs. Lyngby, Denmark, **Room: 003**  
**Hosts:** Isabel Pol Segura ([iseg@flsmidth.com](mailto:iseg@flsmidth.com)) and Peter Arendt Jensen ([paj@kt.dtu.dk](mailto:paj@kt.dtu.dk))

Time (CET)	Presentations	Presenter	Audience
9:00 – 9:15	Welcome and introduction to the Project Meeting	Isabel	DCs, Supervisors, Consortium
9:15 – 10.15	Supervisory Project Review Meeting	Isabel, Supervisors	DCs, Supervisors, Consortium
10.15-10.35	Coffee Break		
10.35 – 11.30	Open Discussion of Project Results and IP Exploitation	Isabel, Supervisors, DCs	DCs, Supervisors, Consortium
11:30 – 12.15	Laboratory Tour of the CHEC Research Group	Peter	DCs, Supervisors, Consortium

12:30 – 13:30	Lunch Break		
13:30 – 14:30	Outlook for next year and wrap-up	Isabel	DCs, Supervisors, Consortium