DTU Offshore Summer School 2024 - week 34

Summer school: CO$_2$ capture, transport, and storage in subsurface

Monday 19-Aug	Tuesday 20-Aug	Wednesday 21-Aug	Thursday 22-Aug	Friday 23-Aug
DTU Building 341 Auditorium 23	**09:00 - 10:30** Transforming CCS Concepts into Projects Mette Fürstnow & Michael Larsen (INEOS Energy)	**09:00 - 10:30** CO$_2$ storage – geomechanics and containment Jamie Andrews (Equinor)	**09:00 - 10:30** The Danish political agreements on CCS, Storage tenders and license and the role of DEA in general within CCS Henrik Sulsbrück (Danish Energy Agency)	**08:30 - 9:55** Corrosion of metallic alloys in CO$_2$ storage applications Rajan Ambat, Kapil Kumar Gupta (DTU Construct)
	Break (15 min)	Break (15 min)	Break (15 min)	Break (5 min)
	10:45 - 12:15 The role of PVT for CO$_2$ transport and sequestration Henrik Sørensen (Calsep)	**10:45 - 11:30** Enhanced rock weathering for carbon storage Hang Deng (PKU)	**10:45 - 12:15** Repurposing of existing pipeline infrastructure for CO$_2$ Transportation & Conceptual design of intermediate storage Lavinia Stefan, Søren Taatø & Lee Pei Yen (Ørsted)	**10:00 - 11:15** Porous Media Research for Energy, Climate, and Medicine Yiqiao Song (Harvard University and Massachusetts)
Registration & Lunch (12:15 - 13:15)	Lunch (1 hr)	Lunch (50 minutes)	Lunch (1 hr)	Leave at 11:25
13:15 - 14:45 Economics and full cycle decision making for CCS projects Chresten Steen Meulengracht (NRG Models)	**13:15 - 14:00** Experiences from the front seat of onshore CO$_2$ storage in Denmark Mikael Lüthje (Gas Storage Denmark) **14:00 - 14:45** Well integrity for CO$_2$ storage Katrine Wienberg (BetterWells)	**12:20 - 13:50** Modelling and simulation of subsurface CO$_2$ storage Bamshad Nazarian (Equinor)	**13:15 - 14:45** Fault stability analysis Frederic Amour (DTU Offshore)	**12:00 - 14:30** WasteLab (Vestforbrænding)
Break (15 min)	Break (15 min)	Break (10 min)	Break (15 min)	Return to DTU
15:00 - 16:15 Fault and top seal for CCS Michael Welch (DTU Offshore)	**15:00 - 15:45** Coupled flow and geomechanics modeling with application to Northern Lights project Francois Hamon (TotalEnergies)	**14:00 - 15:30** Case study of depleted field storage: Harald West Rasmus Lang (TotalEnergies)	**15:00 - 16:30** Containment risk management and monitor planning: Harald West case study Rasmus Lang (TotalEnergies)	
Break (15 min)		**15:30 - 17:00** What seismic can and cannot do for CO$_2$ storage projects Stanislav Glubokowskikh (Berkeley Laboratory)	Break (15 min)	
16:30 - 17:30 Experimental challenges and Lab visit Rasoul Mokhtari (DTU Offshore)		Break (15 min)	**16:45 - 17:30** Elevator pitch & Poster presentations Participants	
Pizza and beer (Starting at 17:30, building 375)		**17:15 - 18:00** Elevator pitch & Poster presentations Participants		
		Dinner (Starting at 18:30)		

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