

Virtual Industry & Annual NordCO2 Meeting

21-29 October 2020, 2 to 4 pm (CET)

Program

Wednesday, 21 October		Thursday, 22 October		Friday, 23 October	
2:00	<i>Opening</i> (Troels Skrydstrup)	2:00	<i>The Investigation of Metal Hydride Complexes in the Formal Hydrocarboxylation of Olefins</i> (Christina Erken, HU)	2:00	<i>The Effect of Pendant Amines in Electrochemical CO₂ Reduction</i> (Joakim Jakobsen, AU)
2:10	1st Industry talk <i>The Use of Isotopic Carbon Dioxide in Drug Discovery</i> (Chad Elmore, AstraZeneca)	2:20	<i>The Inverse Loading Effect in Catalysis</i> (Xiaoyu Chen, KTH)	2:20	<i>Homogeneous metal-mediated carboxylation - Computational insights-</i> (Marc Obst, UiT)
		2:40	<i>"Subtle interplay of structural and electronic aspects in driving electrochemical CO₂ reduction - A case study"</i> . (Hemlata Agarwala, UU)	2:40	<i>Salen-type Copper Complexes as Catalyst Candidates for CO₂ Reduction</i> (Isabelle Gerz, UiO)
3:00	<i>NordCO₂ update</i> (Kathrin H. Hopmann) <i>Gather Town Introduction</i> (Cuong Dat Do, UiT)	3:00	Group activity Topic: CO ₂ in Industry Task: Questions for round table	3:00	Group activity Topic: Student representative (SR) Task: Vote SR
Wednesday, 28 October		Thursday, 29 October			
2:00	2nd Industry talk <i>CO₂ utilization – key to make drug purification more sustainable</i> (Kristina Öhlén, AstraZeneca)	2:00	<i>A DFT-study on electrocatalytic CO₂ reduction by iron porphyrin and zinc bacteriochlorin - How do they compare ?</i> (Morten Tysse, UiB)		
		2:20	<i>Functionalized Hafnium-based PCN-222 for cycloaddition reactions with CO₂</i> (Alejandro Valiente and Vu Duc Ha Phan, SU)		
2:45	3rd Industry talk <i>Development of catalytic processes for producing biochemicals</i> (Esben Taarning, Haldor Topsoe A/S)	2:50	<i>Influence of Defects and H₂O on the Hydrogenation of CO₂ over Pt Nanoparticles in UiO-67 MOF.</i> (Harsha Pulumati, Uoi)		
3:30	Round Table	3:10	Potential SR talks + Voting		
		3:55	Closure		

Dear all,

Welcome to the virtual Industry and annual NordCO2 meeting.

The conference will take place online using webinar (Industry sessions) and Gather Town (NordCO2 talks and activities). The industry talks are open to the public. Please invite people you think could be interested in attending these lectures (see the NordCO2 Industry program).

The NordCO2 sessions will be restricted to NordCO2 members, who are registered to the meeting and created a GT account (see the NordCO2 Industry & annual Meeting program).

Please have a walk through the rooms to get familiar to the venue before the meeting using the following link:

<https://gather.town/app/332n8Vl1KJsOI7yS/NordCO2>

If you do not get access, contact NordCO2@uit.no.

Wednesday 21

Webinar 1 (a link will be sent on Wednesday)

2:00 - Opening session. Troels Skrydstrup, AU

2:10 – 1st Industry talk

“The Use of Isotopic Carbon Dioxide in Drug Discovery” Chad Elmore, Director, Head of Isotope Chemistry, Early Chemical Development, Pharmaceutical Sciences.

In gather town (Conference Hall)

3:00 - “NordCO2 updates”. Kathrin H. Hopmann, UiT

3:15 – “Introduction to Gather Town” Cuong Dat Do, UiT

4:00 – End of the session. GT open for networking.

Thursday 22

In gather town (Conference Hall)

2:00 – “The Investigation of Metal Hydride Complexes in the Formal Hydrocarboxylation of Olefins”. Christina Erken, HU.

2: 20 – “The Inverse Loading Effect in Catalysis”. Xiaoyu Chen, KTH

2: 40 – “Subtle interplay of structural and electronic aspects in driving electrochemical CO2 reduction - A case study”. Hemlata Agarwala, UU.

In gather town (Seminar room)

3: 00 - Group activity: CO2 in Industry

1st activity: Everyone answer the questions shown in the poster at the entrance of the seminar room (individually or in groups)

2nd activity: Each table decides on some questions for the industry round table, and writes the questions in the white board.

4:00 – End of the session. GT open for networking.

Friday 23

In gather town (Conference Hall)

2:00 – “*The Effect of Pendant Amines in Electrochemical CO2 Reduction*”. Joakim Jakobsen, AU.

2: 20 – “*Homogeneous metal-mediated carboxylation - Computational insights*”- Marc Obst, UiT.

2: 40 – “*Salen-type Copper Complexes as Catalyst Candidates for CO2 Reduction*”. Isabelle Gerz, UiO.

In gather town (Seminar room)

3: 00 - Group activity: Student representative

1st activity: Presentation by Jere on his experience being SR.

2nd activity: Everyone answers some questions individually or discussing in groups. Each table should send the answers to NordCO2 by email.

3rd activity: The people interested on being student representative should write their name in the white board and prepare a presentation of max. 5 min. for Thursday 29 to be voted.

4:00 – End of the session. GT open for networking.

Wednesday 28

Webinar 1 (a link will be sent on Wednesday)

2:00 – 2nd Industry talk

“*CO2 utilization – key to make drug purification more sustainable*”. Kristina Öhlén, Senior Research Scientist, Separation Science Laboratory, AstraZeneca R&D Gothenburg, Sweden

2:45 – 3th Industry talk

“*Development of catalytic processes for producing biochemical*”. Esben Taarning, R&D Director | Sustainable Chemicals, Haldor Topsoe A/S

Webinar 2 (a link will be sent on Wednesday)

3:30 - Round table. Troels Skrydstrup (moderator), Esben Taarning and NordCO2 PIs, participate in the discussion.

4:00 – End of the session. GT open for networking.

Thursday 29

In gather town (Conference Hall)

2:00 – “A DFT-study on electrocatalytic CO₂ reduction by iron porphyrin and zinc bacteriochlorin - How do they compare?” Morten Tysse, UiB.

2: 20 – “Functionalized Hafnium-based PCN-222 for cycloaddition reactions with CO₂” Alejandro Valiente and Vu Duc Ha Phan, SU

2: 50 – “Influence of Defects and H₂O on the Hydrogenation of CO₂ over Pt Nanoparticles in UiO-67 MOF.” Harsha Pulumati, Uoi.

In gather town (Conference Hall)

3:10 - Presentations of the potential SR and voting

In order to vote, send the name of your candidate to Jere by using the chat. After the counting, the most voted will become the next student representative from 1st January 2021 until the end of the consortium. The second most voted will be the substitute.

3:55 - Closure

4:00 – End of the session. GT open for networking.