



Trondheim CCS Conference

CO₂ Capture, Transport and Storage

TCCS-12

The 12th Trondheim Conference on
Carbon Capture, Transport and Storage

Second announcement - Call for extended abstracts

19 - 21 JUNE 2023, TRONDHEIM, NORWAY



Norwegian Centre for
Environment-friendly
Energy Research



Conference organiser:

SINTEF Energi AS, Org.nr.: NO 939 350 675 MVA, Sem Sælands vei 11, 7465 Trondheim, +47 454 56 000

Organised by: NCCS – Norwegian CCS Research Centre, under the auspices of NTNU and SINTEF

The Conference

The bi-annual Trondheim CCS Conference is a leading scientific CCS technology conference. Since the beginning in 2003, the Conference has developed to become an essential meeting place for over 400 CCS experts – typically with 150 oral presentations, five or six parallel sessions, over 100 posters and world leading keynote speakers. Building on the success of the previous TCCS conferences, TCCS-12 is planned for June 19-21, 2023, in Trondheim, Norway.

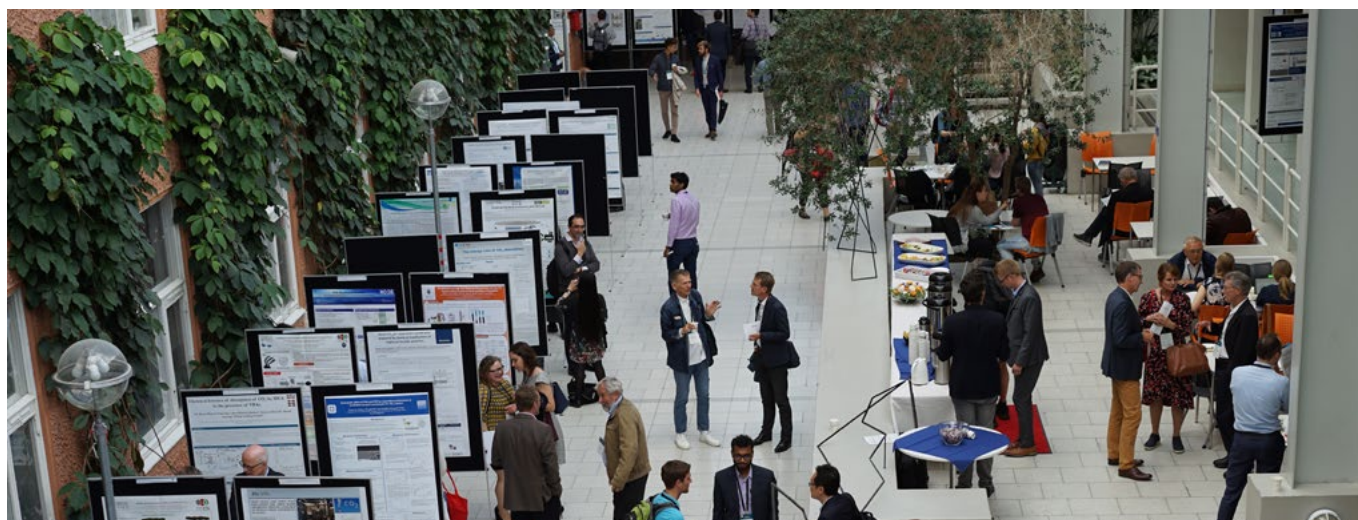
The CCS/CCUS activity level in Europe has gained significant momentum. Plans like the European Green Deal, the Fit for 55, the REPowerEU and landmark reports like Net Zero2050 (IEA) and from IPCC WGs, call for fast actions also in CCUS. Considerable up-scaling of CCS/CCUS deployment is integral to all realistic pathways for meeting the emission reduction targets. One of Norway's responses is the Longship project (the Norwegian full-scale storage project), with substantial support from the Government. The TCCS conference has, consequently, never been more relevant.

Call for Extended Abstracts

Selection of oral and poster presentations is based on extended abstracts. Abstracts (two pages, font 12) must be submitted to the Conference Secretariat by February 10, 2023. Based on the evaluation by the Scientific Committee reviewers, abstracts will be accepted for oral presentation or as posters. Abstracts and presentations must have high scientific quality and be written in a non-commercial manner. Abstracts are invited to cover elements of the entire value chain of CCS technology development (see: Objective and Scope below). Authors will be notified on acceptance by March 24, 2023. See the [Conference web](#) for guidelines and manuscript template.

Journal Publication (optional)

TCCS-12 is working with selected scientific journals to establish a special issue for TCCS-12, with a submission deadline in June 2023. Further information will be given on the conference website.



Important dates (2023)

Submission of extended abstracts opens:	December 1, 2022
Registration opens:	February 1
Deadline submission of extended abstracts:	February 10
Notification to authors:	March 24
Early bird registration:	April 14
Preliminary program available:	April 30
Final program available:	May 25
Deadline submission of scientific paper:	June 15

Objective and Scope

TCCS-12 will focus on research and development related to CO₂ capture, transport, use and storage. The objective of the conference is to bring forward, present and discuss work undertaken within R&D institutions, universities and in industry. Extended abstracts are invited to cover the entire value chain of CCS technology development. Potential topics are (but not limited to):

- Pre- and post-combustion capture
 - Absorption/adsorption and membranes
 - Combustion
 - Other techniques
- Oxy-fuel capture
- CCS and hydrogen combinations
- CO₂ utilization with permanent storage and Industrial CO₂ applications
- CO₂ removal (CDR)
- Transport
 - Transport options; pipeline, ship
 - Safety, injection, fluid, and material properties
- Storage
 - Site screening and site monitoring
 - Site integrity and leakage risk assessment
 - Well drilling and completion
- International R&D activities incl. pilot and large-scale activities
- Novel technologies
- CCS in novel applications and mobility
- CCS whole system issues
 - Techno-economic
 - Risk and value chain assessment, and system analysis
- Public acceptance and communication
- Policy, legal and regulatory issues
- Business models



Scientific Committee Reviewers

Extended abstracts submitted are subject to a review process. A highly competent group of Scientific Reviewers will evaluate and grade all submissions. Based on this review process, the Scientific Committee will set up the oral and the poster program.

A listing of the Scientific Reviewers can be found on the [conference website](#).

Scientific Committee

Hanna Knuutila	NTNU [Chair SC]
Anna Korre	Imperial College London
Svend Tollak Munkejord	SINTEF
Nils A. Røkke	SINTEF [Chair Conf.]
Johan E. Hustad	NTNU [Co-Chair Conf.]

Organizing Committee

Nils A. Røkke	SINTEF [Chair Conf.]
Johan E. Hustad	NTNU [Co-Chair Conf.]
Rune Aarlien	SINTEF [Chair OC]
An Hilmo	SINTEF
Eleni Patanou	NTNU

Marketing Committee

Anne Steenstrup-Duch	SINTEF
Annika Bremvåg	NTNU
Astrid B. Lundquist	SINTEF
Jessica Scott	SINTEF
Kjartan Hovde	SINTEF

SINTEF and NTNU CCS Award – Call for nominations

The SINTEF and NTNU CCS Award is given for outstanding achievements within the field of carbon capture, transport, and storage (CCS). Achievements can be within the areas:

- Scientific contributions and breakthroughs
- Novel schemes for CCS
- Increased knowledge and dissemination of CCS
- Promotion and initiation of CCS for pilot, demo and full scale

Provided worthy candidates, the award can be given every second year in connection with The Trondheim Conference on CO₂ Capture, Transport and Storage (TCCS). This is an award for outstanding CCS achievements in general – not a “best paper award”. Anyone can nominate one or more candidates. Both Norwegian and international candidates are equally eligible for nomination.



2011
Erik Lindeberg
SINTEF



2013
Tore Torp
Equinor (then Statoil)



2015
Gary T. Rochelle
University of Texas



2017
May-Britt Hägg
NTNU



2019
Roland Span
Ruhr-University Bochum



2021
Marco Mazzotti
ETH Zürich

Criteria for the award:

- The award is given to an individual
- The contribution of the nominee shall be of excellence and international acknowledgement according to the above designated areas
- The candidate shall have played a key role in the contribution or achievement
- The achievement should be of relevance to research activities at SINTEF and NTNU in a particular and/or a broader context

Award instruments:

- Stipend of NOK 50,000
- A plaque
- Free participation at the next TCCS Conference

The awardee will be asked to give a 20-minute Award Winner's Lecture at the TCCS-12 Conference, on a self-decided CCS topic.

Subject to worthy candidates, the next SINTEF and NTNU CCS Award will be given in June 2023, at the TCCS-12. Deadline for nominations is April 30, 2023.

More information and nomination form can be found on the [conference website](#). You may also contact [Dr. Nils Anders Røkke](#), Executive Vice President Sustainability, SINTEF.

More information

Conference secretariat: An Hilmo (an.hilmo@sintef.no)

For more information on submission of abstracts, template etc., please see the TCCS-12 website: www.tccs.no