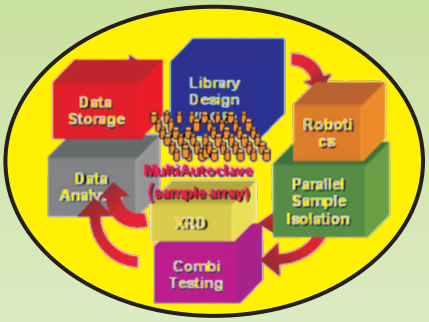
THIRD INDO-NORWEGIAN SEMINAR ON CO_2 CAPTURE: LEADING HIGH SCIENCE TO INNOVATIVE TECHNOLOGIES



Technology Center for CO_2 Capture at Mongstad, Norway

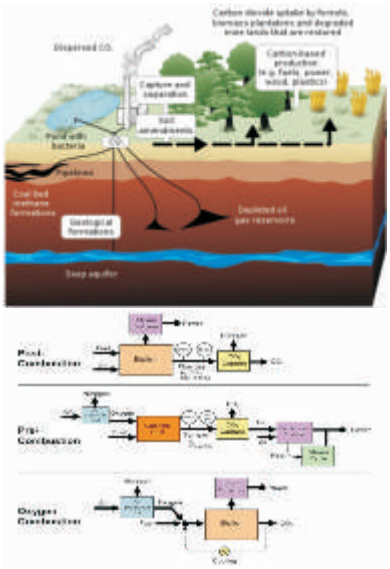
Jointly Organised by

SINTEF MATERIALS & CHEMISTRY (Oslo, Norway)

SINTEF

CSIR-INDIAN INSTITUTE OF PETROLEUM

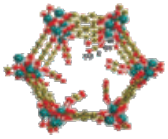
भापेसं
Creating future fuels

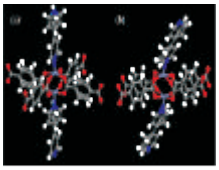


Industries worldwide are reducing their carbon foot prints progressively by deploying inherently low carbon and more efficient technologies and / or by carbon capture.

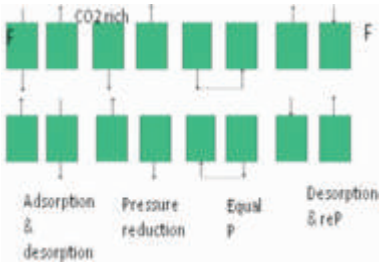
Carbon capture and storage (CCS) technologies are an essential part of the strategy to combat climate change.

The success in large-scale development and deployment of CCS depends critically on efficient and economic separation techniques.





In the recent past there have been significant developments in setting up facilities for pilot -scale testing and demonstration of CO_2 capture technologies like the Test Centre Mongstad, Norway (82000 TPA CO_2 captured) and Hazelwood plant, Australia capturing 10, 000 TPA CO_2. These large scale pilot plants are unique , in that they have been designed to allow simultaneous testing of several different CO_2 capture technologies. This type of facility provides an uniform platform for economic comparison of laboratory developed processes prior to their commercialisaton. Now, it is up to the scientists and technologists in the laboratories to deliver novel separation materials and innovative processes in the shortest possible timeframe which can be then piloted through to future commercialization using such facilities. The role of High Science in this pursuit which is of interest to the entire global community, cannot be but overemphasized.



PVSA Demo plant at Hazelwood Power Plant, Australia

IIP has a very fruitful ongoing collaboration with SINTEF, Norway for joint development of novel adsorption technologies in several areas of ultra low sulphur gasoline/diesel production and CO_2 recovery from flue gas. This seminar, which is being funded under the Indo-Norwegian Co-operation programme, will also be an occasion to commemorate the decade long relationship between SINTEF and IIP.

Focus

The seminar will be in the form of Invited Lectures from eminent scientists and engineers in the areas of :

- Advanced Material Synthesis for CO_2 Capture
- Thermodynamics and Molecular Modeling for design of separating agents
- Amine Absorption Processes
- Chilled Ammonia process for CO_2 capture
- Metal Organic Frameworks for CO_2 recovery
- CO_2 recovery by Vacuum Swing Adsorption
- Chemical Looping Combustion

Confirmed Speakers

Dr. Sourav Pal
CSIR- National Chemical Laboratory, Pune

Dr. R. R. Sonde
Thermax India, Pune

Prof. V. G. Gaikar
ICT, Mumbai

Dr. D. M. Kale
ONGC Energy Centre

Dr. R. V. Jasra
Reliance Industries Ltd. Vadodara

Dr. Richard Blom
SINTEF Materials and Chemistry, Norway

Dr. Carlos Grande
SINTEF Materials and Chemistry, Norway

Dr. Thor Mejdell
SINTEF Materials and Chemistry, Norway

VENUE India Habitat Centre, Habitat World, New Delhi

DATE 13th & 14th February 2012

Prograqmme Registration fees will be as below:

Participant from Industry	Rs. 3000/-
Participant from Academia /Research/ Govt. Institute	Rs. 2000/-

CONTACT :

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About CSIR-IIP

CSIR-Indian Institute Petroleum (IIP) established in 1960, is one of the constituent National Laboratories of the Council of Scientific and Industrial Research (CSIR).

The Institute carries out R&D work in the areas of petroleum refining, separation processes, catalysis, chemicals and petrochemicals, application of petroleum products in Internal Combustion Engines, industrial and domestic combustion, biotechnology and analytical sciences. In its almost five decades of existence, it has developed more than 70 technologies, a large number of them commercialized.

The Institute and its scientists have received many prestigious awards in recognition of excellence in various fields. CSIR-IIP has the rare distinction of bagging eleven CSIR Best Technology awards and has also received FICCI, ICMA & NRDC awards several times for its technologies.

About SINTEF Materials and Chemistry

SINTEF established in 1950 is a private non -profit foundation, which performs contract research for industry, private organizations as well as public authorities.

The SINTEF group consists of the foundation and four companies. Seven research divisions form the foundation, where SINTEF Materials and Chemistry is one of those and consists of eight research departments, located in Oslo and Trondheim. The main areas of interest are oil and gas refining, production and use of polymers and composite materials, gas separation, purification and scrubbing, multiphase flow, materials application in oil and gas industries, light metals, ferro alloy production and use.

Contract partners are industrial companies and organizations in Norway, several European countries, USA and Japan

Saraswati Press, D.Dun 0135-2726694

REGISTRATION FORM

THIRD INDO NORWEGIAN SEMINAR ON
CO_2 CAPTURE: LEADING HIGH SCIENCE TO INNOVATIVE TECHNOLOGIES

INDIA HABITAT CENTRE, HABITAT WORLD, LODI ROAD, NEW DELHI

13th & 14th FEBRUARY, 2012

Name (Mr./Ms./Dr.) _____

Organization _____

Mailing Address _____

_____

City: _____ State _____ PIN _____

E-mail: _____

Tel. _____ Fax _____

Payment details

Amount _____

Bank Draft No. _____ Dated _____

Bank _____

Date Signature

Completed registration form along with Bank draft may be sent to :

Dr. Amar N. Goswami
Chief Scientist & Head
Catalysis and Conversion Processes Division,
Indian Institute of Petroleum Dehradun,
Dehradun-248 005, Uttarakhand. India
E-mail: goswami@iip.res.in

Last date for acceptance of Registration form will be 3rd Feb. 2012.

From :

CSIR- INDIAN INSTITUTE OF PETROLEUM

THIRD INDO NORWEGIAN SEMINAR ON CO_2 CAPTURE:
LEADING HIGH SCIENCE TO INNOVATIVE TECHNOLOGIES

INDIA HABITAT CENTRE, HABITAT WORLD, LODI ROAD, NEW DELHI

13th & 14th FEBRUARY, 2012