Carbon Capture Utilization and Sequestration (CCUS): Fundamentals and Applications

SUMMER SCHOOL ONLINE-2022

Registration Link

IIT BOMBAY

The Attendee

3rd year onward UG, PG, PhD
Duration: Each lecture is of 1.5 hours for 10 days – including discussion and Q&A

About Course

The course brings forth the relevance of carbon capture, utilization and storage for large scale mitigation of anthropogenic greenhouse gas, CO2, held responsible for rapid rise in the earth's surface temperature. The expert instructors will cover the fundamentals and applications of CCUS, and set the perspective on how the understanding of CCUS technologies will accelerate the efforts to decarbonization.

Invited Lecturers

- Prof. Raghu Mutrugudde
- Prof. Debabrata Maiti
- Prof. Munish Chandel

Instructors

Prof. Vikram Vishal

Convener, National Centre of Excellence in CCU
Associate Professor
Department of Earth Sciences
and, IDP-Climate Studies
IIT Bombay, INDIA

Prof. Arnab Dutta

Co-Convener, National Centre of Excellence in CCU
Associate Professor
Department of Chemistry
and, IDP-Climate Studies
IIT Bombay, INDIA

More Information:
https://www.ir.iitb.ac.in/

Contact:
+91-22-25767076 | international@iitb.ac.in

Indian Institute of Technology Bombay

Offers

SUMMER SCHOOL

June-July 2022
Online

DATA FLOW ANALYSIS: A POINTER CENTRIC VIEW

About Course

The course provides a peek into analysis of programs that provides the basis of many applications such as code optimization by compilers, software verification and validation, software maintenance and engineering.

Instructor

Prof. Uday Khedkar
Professor
Department of Computer Science and Engineering

Attendee

PG, PhD, UGs with a course in Compilers

Duration

3 hours per day of instruction for one week with homework problems

Register

Registration Link

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Offers

Introduction to Numerical Optimization

2022-Online Summer School

About Course

Students will be able to

- Understand the concepts and theory of optimization,
- Understand their applications in the field of engineering and other areas,
- Learn and apply methods that can be handy in solving typical non-linear optimization problems,
- Practice basic computer implementation of optimization algorithms

Instructor

Prof. Avijit Maji
Professor
Transportation Systems Engineering
Department of Civil Engineering

The Attendee:

UG and PG
Duration: 1.5 Hours per day for 10 days

Preparation required:

Basic knowledge of

- calculus,
- numerical methods,
- algorithm development,
- computer programming

Register:

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INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

ADVANCED STRUCTURAL GEOLOGY

SUMMER SCHOOL

Clear cut concept in advanced structural geological fundamentals.

INSTRUCTOR

Prof. Soumyajit Mukherjee
Professor
Department of Earth Sciences

COURSE FOR

- UG, PG, PHD
- 60 hours of course including a test at the end

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