



Introduction to CO₂ Capture and Geological Storage Calgary, Alberta

The Carbon Capture and Storage (CCS) course is for both technical and managerial staff and is designed to help attendees assess CCS technical, development and deployment opportunities. A set of course notes is provided, including a description of the Canadian CO₂ Capture and Storage Alliance. Specific topics are as follows:

Fundamentals of CCS

Developing a CCS Business Case

CO₂ Storage: Site Selection and Evaluation

CO₂ Storage: Resource/Reserve Concept

CO₂ Storage: CO₂ Injectivity & Containment

CO₂ Storage: Monitoring & Verification

CO₂ Capture: CO₂ Supply & Transport

CO₂ Capture: Post-& Pre-Combustion, Oxy-fuel

CCS Policy and Regulations in Alberta and Canada

CCS Case Studies: Saline Aquifers, EOR, EGS

One of the instructors, Bill D. Gunter, Ph.D., P.Geol., has over 15 years' experience in worldwide CCS research, development and instruction with the Alberta Research Council. He has authored/coauthored over 70 technical papers on the subject. Bill was a contributing author to the IPCC Special Report on CO₂ Capture and Storage, and has also been recognized by the Carbon Sequestration Leadership Forum (CSLF) for leading key CCS projects. Most recently, Bill was the recipient of the International Energy Agency GHG R&D program's Greenman award for his lifetime work in CCS. Bill was identified as one of Alberta's 50 most influential people by Alberta Venture Magazine in their July 2008 issue. The other instructor is Doug MacDonald, M.Sc., P.Eng., Principal Consultant, Studies and Developmental Projects, with SNC-Lavalin Inc. in Calgary. Doug's experience covers more than 40 years in every aspect of the petroleum industry, from exploration to the gasoline pump. Over the past ten years he has led many CCS studies, focused mainly on the design of capture and transportation facilities for CO₂ and on providing realistic cost estimates for the business. These studies have involved proposed facilities in Canada, the Middle East, China, Europe and South America.

If you are interested in more information on this course, please contact Diana Berry at Sproule Associates Limited by e-mail at diana.berry@sproule.com.

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