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Office of Energy Efficiency & Renewable Energy

NREL National Renewable Energy Laboratory

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Join us for a "bonus" seminar in our series of "brown bag" seminars, sponsored by the National Renewable Energy Laboratory and the U.S. Department of Energy (DOE). Each seminar is held at NREL's Washington office with a videoconference link to Golden, Colorado. Topics focus on new and innovative renewable energy and energy analysis strategies, models, and technologies.

Carbon Dioxide Capture and Storage: Status Today and Outlook for the Future

An analytical seminar presented by DOE/EERE's Office of Planning, Budget, and Analysis and NREL's Strategic Energy Analysis Center

Howard J. Herzog, Principal Research Engineer
Massachusetts Institute of Technology (MIT)

Howard J. Herzog

Monday, July 23, 2007
noon – 1 p.m. (Washington, D.C.)
10 – 11 a.m. (videoconference in Golden, Colo.)
(The seminar is also offered via conference call or Internet conferencing. Please contact the appropriate person below for instructions.)

Unheard of beyond a handful of researchers a decade ago, CO_2 capture and storage (CCS) is emerging an important mitigation option in the fight against global climate change. In this presentation, Howard Herzog of the Massachusetts Institute of Technology (MIT), will attempt to separate the hype from the reality as well as attempt to give a realistic report on where CCS is today. He'll also talk about the challenges that must be addressed for CCS to play a significant role in the future, incorporating findings from a recently released MIT interdisciplinary study, *The Future of Coal*, of which Herzog was coauthor. The study looks out to the year 2050 and assesses technologies and policies that could be pursued in the short term to utilize coal in the longer term – and reduce its associated CO_2 emissions by at least 1 GtC.

Howard J. Herzog is a principal research engineer in the MIT Laboratory for Energy and the Environment. He received his undergraduate and graduate education in chemical engineering at MIT. He has industrial experience with Eastman Kodak (1972-1974), Stone & Webster (1975-1978), Aspen Technology (1981-1986), and Spectra Physics (1986-1988). Since 1989, he has been on the MIT research staff, where he works on sponsored research involving energy and the environment, with an emphasis on greenhouse gas mitigation technologies. He was a coordinating lead author for the IPCC Special Report on Carbon Dioxide Capture and Storage (released September 26, 2005), as well as a U.S. delegate to the Carbon Sequestration Leadership Forum's Technical Group.

Golden, Colo., information

1617 Cole Blvd., Golden, Colorado
Building 15, Conference Room 375

Please contact Lynne Fenn at lynne_fenn@nrel.gov or 303-384-7439

Washington, D.C., information

901 D Street SW (adjacent to the Forrestal Building) or 370 L'Enfant Promenade. Ninth Floor.

Please contact Wanda Addison, of Midwest Research Institute (MRI), at wanda_addison@nrel.gov or 202-646-5278

If you are interested in participating in the seminar via conference call or Internet conferencing, please contact Wanda Addison, of MRI, at wanda_addison@nrel.gov or 202-646-5278; or Lynne Fenn at lynne_fenn@nrel.gov or 303-384-7439 for instructions.

For more information on NREL analysis, please visit the Web site at
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