

UNIVERSITY of HOUSTON

EARTH AND ATMOSPHERIC SCIENCES

presents

ANNUAL MILTON B. DOBRIN LECTURE



DISTINGUISHED LECTURER

ROEL K. SNIEDER

THE UNIVERSITY OF HOUSTON DEPARTMENT OF EARTH AND ATMOSPHERIC SCIENCES IS PLEASED TO ANNOUNCE THE 18TH MILTON B. DOBRIN MEMORIAL LECTURE. OUR DISTINGUISHED LECTURER IS PROFESSOR ROEL SNIEDER OF COLORADO SCHOOL OF MINES. PROFESSOR SNIEDER IS A W. M. KECK DISTINGUISHED PROFESSOR OF BASIC EXPLORATION SCIENCE, AN HONORARY MEMBER OF SEG, AND THE CORRESPONDING MEMBER OF THE ROYAL NETHERLANDS ACADEMY OF ARTS AND SCIENCES. HE IS THE AUTHOR OF SEVERAL BOOKS, AND AN OUTSTANDING RESEARCHER IN FIELDS AS DIVERSE AS INTERFEROMETRY, SEISMIC MODELING, MULTIPLE SUPPRESSION, MICROSEISMICITY AND SEISMIC NOISE.

RETHINKING CARBON CAPTURE AND SEQUESTRATION AS A TOOL TO REDUCE GLOBAL WARMING

Because of the increasing world population, mankind is more and more vulnerable to changes in climate. The man-made contribution to global warming is due to emission of CO₂ and other greenhouse gasses. Capturing CO₂ and injecting it in the subsurface thus seems a natural method to reduce man-made global warming. The following questions must be answered before this process can be used on a scale that actually makes a difference in managing climate change. (1) How can the cost of this process be reduced from its projected cost of 150 billion dollars per year? (2) How can the capture and injection be up-scaled with a factor 1000 beyond current capabilities? (3) How can we predict and monitor leakage? Many actions alternative to carbon capture and sequestration are likely to be much cheaper, reduce greenhouse gas emissions, save energy, and increase the energy independence of the United States.

MONDAY, FEBRUARY 27, 2012

UNIVERSITY HILTON SHAMROCK BALLROOM

5:30PM - SOCIAL HOUR (with refreshment and cash bar)

6:30PM - LECTURE

Free Admission

For more information, please call (713) 743-3402