



SPECIAL GEOPHYSICS SEMINAR

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Under the Geological Rug: Leakage, Mixing and Trapping in Carbon Sequestration

Geological storage of carbon dioxide (CO₂) in deep saline aquifers forms an integral part of many CO₂ mitigation strategies. At depth CO₂ is buoyant and therefore may leak into surface waters or the atmosphere. This talk will explore the rich multiphase fluid dynamics of CO₂ propagation, providing constraints on the rate at which CO₂ may leak from a storage site, and the dynamics of convective dissolution and capillary trapping, two leading processes by which CO₂ may be stably trapped and stored within the subsurface.

11:00am in 54-915
Thursday, February 24, 2011

All are welcome to attend
<http://eapsweb.mit.edu/index.html>

