

Engineering a Cooler Earth: Can We Do It? Should We Try?

Friday, October 30th, 2009 — Wong Auditorium (E51) MIT

7:30 am **Registration & Coffee**

8:20 am **Welcome & Introduction**

Dara Entekhabi, ESI Director; Ernie Moniz, MITEI Director, and Ron Prinn, CGCS Director

Can We Do It?

8:40 am ***Global Climate Change Impacts: Motivation for Geoengineering?***

Thomas Karl, National Climatic Data Center, US

9:10 am ***Climate Cooling Potential of Different Geoengineering Options***

Tim Lenton, University of East Anglia

9:40 am ***Developing Scientific and Geopolitical Criteria to Rank Geoengineering Schemes***

Philip Boyd, National Institute of Water & Atmospheric Research, NZ

Break for Coffee & Conversation

10:30 am ***Using Aerosol Injections for Geoengineering***

Joyce Penner, University of Michigan

11:00 am ***Climate Engineering with Aerosols—Predictable Consequences?***

David Battisti, University of Washington

11:30 am ***The Case for Geoengineering Research***

David Keith, University of Calgary

Lunch Buffet

Should We Try?

1:00 pm ***Historical Perspectives on “Fixing the Sky”***

James Fleming, Colby College

1:30 pm ***What’s the “Rational” Choice?: Risk, Values and the Politics of Geoengineering***

Judy Layzer, MIT

2:00 pm ***Geoengineering Governance: Rendering the Possible Impossible?***

Catherine Redgwell, University College London

2:30 pm ***Geoengineering—The Time Scale Problem***

Carl Wunsch, MIT

Break for Coffee & Conversation

Where to from Here?

3:30 pm ***All-Speaker Roundtable***

Moderated by Kerry Emanuel, MIT

4:45 pm ***A Journalist’s Perspective***

Cornelia Dean, New York Times

5:15 pm ***Critical Agenda for Research on Geoengineering***

Dara Entekhabi, ESI Director

5:30 pm ***Thanks & Farewell***

Kurt Sternlof, ESI Executive Director