



esi

Earth System Initiative

Earth System Revolutions: *Key Turning Points in the History of Our Planet*

Tuesday October 9, 2007.

Building 10 Room 250
Massachusetts Institute of Technology

8:30am Welcome and introductions. Professors Penny Chisholm and Ron Prinn

Earth System Revolutions: Then

8:45am: Professor Paul Falkowski, Rutgers University
The Rise of Oxygen on Earth

9:30am: Professor Dianne Newman, MIT
From Rocks to Genes and Back: Stories about the Evolution of Photosynthesis

10:15am: Discussion and coffee

Earth System Revolutions: Now

10:45am: Professor Daniel Pauly, University of British Columbia
Fisheries and Global Warming: Impacts on marine ecosystems and food security

11:30am: Cynthia Rosenzweig, NASA/Goddard Institute for Space Studies
Climate Variability & Change and their Impact on the Global Harvest

12:15pm: Lunch break

1:30pm Professor Ron Prinn, MIT
Anthropogenic Climate Change

2:15pm: Professor Dan Nocera, MIT
Whales to Wood → Wood to Coal/Oil → What's Next?

3:00pm: Discussion and coffee

Earth System Revolutions: Future?

3:30pm Professor Roger Angel, University of Arizona
Solar Energy as a Major Replacement for Fossil Fuel

4:15pm Dr. Margaret Leinen, Climos Inc
Geosciences and Carbon Sequestration to Address Climate Change

5:00pm Professor Brad Allenby, Arizona State University
Earth Systems Engineering and Management

5:45pm Discussion and close

This symposium is a collaborative presentation from the Earth System Initiative (esi.mit.edu)
and the Center for Global Change Science (mit.edu/cgcs)