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  Professors Penny Chisholm and Ron Prinn, MIT
Welcome

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

9:30am  Professor Diane 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 and Change and their Impact on the Global Harvest

12:15pm Lunch

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, Climate 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).
Contact esiinfo@mit.edu with questions.