

## Key Turning Points in the History of Our Planet

**Tuesday, October 9, 2007,** Building 10 Room 250 Massachusetts Institute of Technology







6H1206 + 602 + 6H20

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 Newmann, 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, 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). Contact esinfo@mit.edu with questions.



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