

In celebration of Earth Day, leading energy researchers at Stanford from a range of disciplines will discuss the interconnections and interactions among humanity's needs for use of energy, water, food, and the environment. Drawing on their own research, speakers will illustrate and evaluate some of the ways in which decisions in one resource area can lead to trade-offs or co-benefits in others. This year we will start with energy and consider opportunities to make decisions that can have positive benefits in one area while avoiding negative or unintended consequences in other areas. Symposium attendees will also be able to participate in breakout sessions, led by Stanford students and faculty, on a range of challenges associated with energy.



Connecting the Dots: THE ENERGY, FOOD, WATER, AND CLIMATE NEXUS

Friday, April 19, 2013

**Frances C. Arrillaga
Alumni Center
326 Galvez Street
Stanford University**

12:30 – 1:00 Registration

Welcome: Stacey Bent, Professor of Chemical Engineering; Director of the TomKat Center for Sustainable Energy

1:00 – 3:30 Stanford Faculty Talks

Introduction: Energy System Overview

Roland Horne, Professor of Energy Resources Engineering

Overview of Natural Gas Issues: Mark Zoback, Professor of Geophysics

Energy and Environment Nexus: Stefan Reichelstein, Professor in the Graduate School of Business

Energy and Water Nexus: Richard Luthy, Professor of Civil and Environmental Engineering; Director of ReNUWIt

Energy and Climate Change Nexus: Michael Wara, Associate Professor of Law

Energy and Food Nexus: David Lobell, Assistant Professor of Environmental Earth System Science

3:45 – 4:45 Breakout Sessions

Led by postdoc/graduate students, breakout sessions will actively engage the participants on provocative and real world energy topics such as:

- Boon or Bust? Fracking's Socioeconomic Costs and Benefits
- Keystone XL: Bad Guy or Fall Guy?
- Wind Energy and Wildlife Conservation: Green vs. Green?
- Are You Aware of Your Habits? Tweaking Our Routines to Conserve
- Is America Neglecting America? The Forgotten Frontier of the Alaskan Arctic
- Is Water Scarcity a Threat to the World's Energy Future?

4:45 – 5:30 Plenary Discussion: The Way Forward

Moderated by Margot Gerritsen, Associate Professor of Energy Resources Engineering; Director, Institute for Computational and Mathematical Engineering

Donald Kennedy, President, Emeritus, Stanford University; Bing Professor of Environmental Science, Emeritus

Rosamond Naylor, Professor of Environmental Earth System Science; Director, Center on Food Security and the Environment

Adam Brandt, Assistant Professor of Energy Resources Engineering

5:30 – 6:30 Reception Featuring Professor Jon Krosnick and the Charged Particles Jazz Band

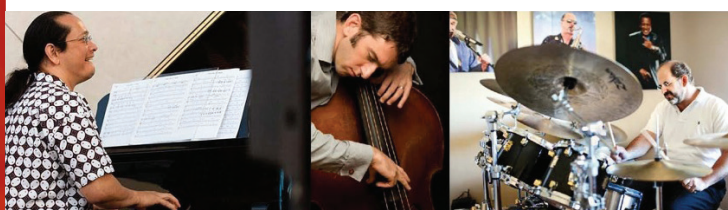
Registration is required.

More information and registration details available at:

tomkat.stanford.edu/ctd



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EARTH DAY 2013