



Understanding Climate Change Using Global Climate Models

🌿 *Lecture in memory of Jan Marie Rushforth* 🌿

Tuesday, September 26, 7-9PM

Haverford CREC, 9000 Parkview Drive, Haverford, PA

Lecture is free and open to the public / Doors open at 6:30

SPEAKER: Dr. Kirsten Findell
Research Physical Scientist, Climate Change, Variability and Prediction
Group, Geophysical Fluid Dynamics Laboratory, Princeton NJ



"We have heard Dr. Findell speak twice and love her because she presents the science in such an understandable manner."

—ALAN AND JAN RUSHFORTH

Dr. Findell will address these important questions:

- ▶ How does the atmosphere (and CO₂ in the atmosphere) regulate the temperature of the earth? What is the evidence that climate has changed?
- ▶ How are climate models used to study and understand the climate system?
- ▶ Can climate models explain the observational record if human-based emissions of CO₂ and other greenhouse gases are included? What if they are not included?
- ▶ What can we expect for future climate trends?

DR. FINDELL is a graduate of Princeton University, BSE in Civil and Environmental Engineering, and MIT, SM and PhD in Hydroclimatology. She is currently a scientist with the Geophysical Fluid Dynamics Laboratory (GFDL)—a National Oceanic and Atmospheric Administration (NOAA) laboratory whose mission is to produce reliable assessments of natural climate variability and change. Dr. Findell has published extensively on her research in the fields of hydroclimatology and land-atmosphere interactions.

Jointly presented by: Haverford Township Parks and Recreation Dept., Haverford Township Environmental Advisory Committee, Havertown Community Action Group, and Steve Clark, scstemclark@gmail.com (484) 477-7525