

*A public seminar series sponsored by First Presbyterian Church of Urbana*

## **Confronting Climate Change**

The planet is warming; 97% of climate scientists agree that human activities are responsible. Most climate scientists agree that carbon dioxide, which is released into the atmosphere following the burning of fossil fuels such as coal and petroleum, is the primary long-lived greenhouse gas responsible for climate change. Climate change is the most urgent environmental problem mankind has experienced in recorded history; its consequences include more extreme weather events, rising sea levels and increased species extinctions. There is growing awareness that climate change must be addressed boldly and soon. This seminar series will cover efforts that are underway from the global level to the individual citizen level to reduce the use of fossil fuels for transportation, heating and cooling buildings, etc. Highly qualified experts will provide the seminars.

### **October 4: Climate Change, its Cause and Future Forecasts**

*Don Wuebbles, Preble Professor of Atmospheric Sciences, University of Illinois; Assistant Director for Climate Science, Energy and Environment Division, Office of Science and Technology, The White House*  
Coordinating Lead Author for the international Intergovernmental Panel on Climate Change (IPCC) assessment of climate change published in 2013 and a leader in the U.S. National Climate Assessment published in 2014.

### **October 11: Addressing Climate Change: International and National Levels**

*Donald Fournier, Illinois Energy Now, Public Sector Program-Energy Consultant*  
Retired Program Manager for Smart Energy Design Assistance Center (SEDAC) , Champaign, IL

### **October 18: Addressing Climate Change: State of Illinois Clean Power Plan**

*Don Fullerton, Gutgsell Professor, Department of Finance and Institute of Public Affairs (Associate Director), University of Illinois*  
Former Deputy Assistant Secretary (Tax Analysis), U.S. Treasury Department. As a state of Illinois consultant, he examines the use of taxes as a means to address climate change and obtain needed revenue.

### **October 25: Addressing Climate Change: Individual Citizen**

*Andy Robinson, SEDAC Program Director for Training and Education, Champaign, IL*  
A LEED accredited professional, a Certified Energy Manager, and member of Association of Energy Engineers

### **November 1: Addressing Climate Change: University of Illinois & City of Urbana**

*Benjamin McCall, Professor of Chemistry and Astronomy, Institute for Sustainability, Energy and Environment*  
*Associate Director for campus sustainability, University of Illinois*  
The University of Illinois committed to the American College and University Presidents' Climate Commitment in 2008, pledging to be carbon neutral by 2050. The Illinois Climate Action Plan (iCAP) provides interim target dates for actions, enhanced sustainable curriculum for students, expanded research, and programs to track those efforts.

### **November 8: Addressing Climate Change: Individual Citizen**

*Scott Willenbrock – Department of Physics, University of Illinois*  
Professor Willenbrock retrofitted his 1929 Champaign home into a zero-net-energy house, dubbed Colonial Solar House. The solar photovoltaic system produces enough energy to power the entire house plus one electric car. Geothermal heating and cooling, weatherization, and efficient appliances assist in achieving this outcome.

Seminars will be at 11:00 in Fellowship Hall, First Presbyterian Church of Urbana, 602 West Green Street. Parking is available in the lot east of the church on Orchard Street.

For additional information contact David Sherwood at [od-sherw@illinois.edu](mailto:od-sherw@illinois.edu)