

Meeting Rates

HOTEL NOT INCLUDED. For U.S. Government and student rates, please contact Robert Shavers at HEI. Student rates are available to full-time, currently enrolled students (please bring student ID to the conference to collect registration packet).

Full Conference

Sunday Through Tuesday \$675

Includes the Pre-Conference Workshop (separate registration required) and all meals and breaks, Sunday lunch through Tuesday lunch, except Monday dinner.

Single Day

Sunday \$280

Includes the Pre-Conference Workshop (separate registration required) and lunch, breaks, reception, and dinner.

Monday \$280

Includes breakfast, lunch, and breaks.

Tuesday \$280

Includes breakfast, lunch, and breaks.

Travel Award

Apply for the Student and Postdoc Travel Award at www.healtheffects.org/content/travel-award

Further Information

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Registration and Program Updates

Obtain registration materials and program information online at www.healtheffects.org/annual-conference. The posted program and schedule are updated regularly.

Accommodations

HEI's special group rate is \$210 plus tax, for single or double room. Please book your room by **April 2, 2018** online at www.healtheffects.org/annual-conference. Guests can also call **1-800-55-DRAKE (37253)** and refer to group code **HEF** to receive the special rate.

HEALTH EFFECTS INSTITUTE

ANNUAL CONFERENCE
April 29–May 1, 2018
The Drake Hotel
Chicago, Illinois



The Health Effects Institute is an independent, non-profit research organization that, for 38 years, has provided decision makers with high-quality, impartial, and relevant science on the health effects of air pollution. Its core support is provided jointly by the U.S. Environmental Protection Agency and the motor vehicle industry; additional support is contributed by a range of domestic and international industries, governments, foundations, and development agencies. An overview of HEI, information on its current research program, and all published HEI reports are available for downloading, free of charge, at www.healtheffects.org/publications.

HEI Annual Conference 2018



Health Effects Institute
75 Federal Street, Suite 1400
Boston, MA 02110-1817, USA

PLEASE POST



HEALTH EFFECTS INSTITUTE Annual Conference 2018

SUNDAY, APRIL 29

9–11:30 AM Pre-Conference Workshop: Causal Modeling in Air Pollution Research and Policy

Chairs: Francesca Dominici, Harvard T.H. Chan School of Public Health, and Katherine Walker, Health Effects Institute

Recent years have seen a growing interest in the application of causal modeling methods to explore causal relationships between air pollution and health. This session will bring together experts in causal modeling to introduce different methods, provide critical perspectives on their potential contributions and limitations, and discuss their interpretation within the broader context of causation. Open to all conference attendees.

1:00 PM Ozone: Global Pollutant, Personal Effects

Chairs: Dan Greenbaum, Health Effects Institute, and Jana Milford, University of Colorado–Boulder

Ozone is a secondary pollutant that is regulated through the National Ambient Air Quality Standards (NAAQS), which are reviewed every five years; the next ozone review is due to start soon. This session will discuss challenges in controlling ozone levels, including atmospheric transport across continents and climate change, and the current science-based evidence that will contribute to the ozone health assessment. The session will end with a discussion of key issues relevant to the next ozone NAAQS.

4:15 PM Poster Session I

6:00 PM Opening Reception, Dinner, and Keynote Speaker

Venkat Sumantran, Chairman, Celeris Technologies; coauthor of Faster, Smarter, Greener: The Future of the Car and Urban Mobility

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MONDAY, APRIL 30

8:30 AM Traffic-Related Air Pollution and Health: A Moving Target

Chairs: Francesco Forastiere, Lazio Regional Health Service, Italy, and Fred Lurmann, Sonoma Technology, Inc.

This session will discuss important factors related to the design and interpretation of health studies of traffic-related air pollution (TRAP). It is intended to aid the scope of a new systematic review to update HEI's 2010 review of the health effects of TRAP. We will introduce the Traffic Review Panel and announce new HEI studies on TRAP, taking into account other factors, such as noise, socioeconomic status, and green space.

10:45 AM Air Pollution and Diabetes: What Is the Evidence?

Chairs: Barbara Hoffmann, University of Düsseldorf, Germany, and Ivan Rusyn, Texas A&M University

Diabetes and obesity, as well as air pollution, are known risk factors in the development of cardiovascular and respiratory diseases. Air pollution is associated with development of diabetes in adults, and there is some evidence that early-life exposure in children may be associated with diabetes later in life. This session will discuss the evidence, who is most susceptible, and what mechanisms are behind these observations.

1:30 PM Poster Session 2

3:15 PM Reproducibility in Environmental Health Research

Chairs: Amy Herring, Duke University, and Kiros Berhane, University of Southern California

Awareness has grown that many scientific studies are not reproducible and this problem seems to be particularly widespread in certain fields of science. Environmental standards are health based and there have been long-standing debates about replicability and reproducibility (including data access, analysis, and quality) of the studies underpinning regulations. Questions about reproducibility have been discussed in scientific journals and are reflected in congressional efforts at transparency. This session will describe these issues and present examples of the best practices.

5:15 PM Free Evening

TUESDAY, MAY 1

8:30 AM Advancing Air Quality, Global Health, and Energy Science at HEI

Research Committee Chair *David Eaton, University of Washington–Seattle*, and Review Committee Chair *James Merchant, University of Iowa*, will introduce the two committees and preside over a presentation of HEI's research program, which includes traffic-related air pollution, low levels of exposure, accountability, and mechanisms of effect, as well as the expanding Global Health Program. Energy Research Committee Chair *George Hornberger, Vanderbilt University*, will join them to present HEI's Energy Research Program, focused on the potential for human exposure and health effects from the development of oil and natural gas from unconventional resources.

11:00 AM The Power of Place: Pathways to Urban Living

Chairs: David Foster, University of Wisconsin–Madison, and Frank Kelly, King's College London, United Kingdom

More than half of the world's population now lives in urban areas, and this number is expected to increase due to continuing population growth and urbanization. Air pollution and noise, along with interrelated factors such as physical inactivity, lack of green space, stress, and socioeconomic deprivation, are associated with adverse health. This session will explore how integrated urban design, transport planning, and new mobility and transportation technologies can improve city residents' health and reshape cities in the future.

2:30 PM Conference Adjourns

PLEASE POST

Note: This is a preliminary program. The timing and order of the sessions are subject to change.