

**Agenda for Scientific Meeting on**  
**ISSUES IN THE ASSESSMENT OF HEALTH IMPACTS OF**  
**GASOLINE EMISSIONS IN CALIFORNIA**

**June 12-13, 2001**  
**UCLA Faculty Center**

**Sponsored by the UCLA Southern California Particle Center and Supersite (SCPCS), the Office of Environmental Health Hazard Assessment (OEHHA) of the California Environmental Protection Agency and the Southern California Environmental Health Sciences Center (SCEHSC)**

**Tuesday, June 12**

8:00 a.m. Registration

8:45 a.m. Welcome  
Introduction

John Froines, SCPCS  
Val Siebal, OEHHA

**Morning Session**

9:00 a.m. Setting the Stage: Why Is There a Problem with Motor Vehicles?

David Bates, University of British Columbia

9:30 a.m. Recent Results from DOE's Environmental Science and Health Effects (ES&HE) Program

Doug Lawson, National Renewable Energy Lab

10:00 a.m. Laboratory Studies of the Toxicity of Gasoline Emissions

Joe Mauderly, Lovelace Respiratory Research Institute

10:30 a.m. *Break*

10:45 a.m. Carbonyl-Containing Compounds in the Atmosphere

Roger Atkinson, University of California, Riverside

11:15 a.m. Speciated C1-C14 Carbonyls in Gasoline, Vehicle Exhaust, On-Road Vehicle Emissions and Ambient Air

Daniel Grosjean, DGA Inc.

11:45 a.m. Measurements of Carbonyls and Multi-functional Carbonyls in Air and Fine Particulate Matter

Judith Charles, University of California at Davis

12:15 p.m. *Lunch (provided)*

**Afternoon Session**

1:15 p.m. Comparison of Chemical Composition of In-Use Diesel and Gasoline Vehicle Emission Samples

Barbara Zielinska, Desert Research Institute

1:45 p.m. Chemistry of Secondary Organic Aerosol Formation from Alkene Ozonolysis and Nanoparticles from Engine Exhaust

Paul Ziemann, University of California, Riverside

2:15 p.m. Laboratory and On-Road Measurements of Nanometer Size Particles from Spark Ignition Engines

David Kittelson, University of Minnesota

2:45 p.m. *Break*

3:00 p.m. Panel discussion

Moderator: Glen Cass, Georgia Institute of Technology

4:30 p.m. Adjourn

### Wednesday, June 13

- 8:30 a.m. Registration
- 8:45 a.m. Overview of OEHHA's Efforts to Characterize the Health Risks Associated with Gasoline Emissions George Alexeeff, OEHHA

#### Morning Session

- 9:00 a.m. Current Studies and Research Needs for Mobile Source Air Toxics Debra Kaden, Health Effects Institute
- 9:30 a.m. Source Apportionment of Airborne Particulate Matter Using Models for Atmospheric Transport and Transformation Glen Cass, Georgia Institute of Technology
- 10:00 a.m. Source Apportionment of Airborne Particulate Matter Using Organic Chemical Tracers Jamie Schauer, University of Wisconsin
- 10:30 a.m. *Break*
- 10:45 a.m. The Relationships Between Indoor, Outdoor and Personal Air (RIOPA): Preliminary Results for Los Angeles Steve Colome, SCPCS
- 11:15 a.m. Reductions in Benzene Exposure in the South Coast Air Basin Scott Fruin, California Air Resources Board
- 11:45 a.m. Estimation of Long-Term Exposures to Mobile Source Emissions in the Children's Health Study Fred Lurmann, Sonoma Technology
- 12:15 p.m. *Lunch (on your own)*

#### Afternoon Session

- 1:30 p.m. The Chemical Toxicology of Quinones: Its Relationship to Air Pollution Arthur Cho, SCPCS
- 2:00 p.m. Characteristics of Paved Road Dust and Its Allergen Content Glen Cass, Georgia Institute of Technology
- 2:30 p.m. *Break*
- 2:45 p.m. Panel Discussion Moderator: David Bates, University of British Columbia
- 4:15 p.m. Adjourn