

# Workshop on Multiscale Atmospheric Dispersion Modeling Within the Federal Community

## Agenda

June 6-8, 2000, Town Center Hotel,  
8727 Colesville Road, Silver Spring, MD

### Tuesday, June 6, 2000

7:00 - 8:00 a.m.                    **REGISTRATION AND CONTINENTAL BREAKFAST**

8:00 - 8:20 a.m.                    **WELCOME AND KICKOFF**

Mr. Samuel P. Williamson, Federal Coordinator for Meteorology  
Dr. Darryl Randerson, Chief, Special Operations and Research  
Division, Air Resources Laboratory

8:20 - 11:30 a.m.                    **SESSION I - USER REQUIREMENTS FOR DISPERSION  
MODELING**

**Session Chair:** Rickey Petty, Department of Energy  
**Rapporteur:** Roger Stocker, Fleet Numerical Meteorology &  
Oceanography Center

8:30-8:50                            **Department of Defense**

Captain David Martin, USN, Military Assistant for  
Environmental Sciences, Office of the Deputy Under  
Secretary of Defense, Science and Technology

8:50-9:10                            **National Oceanic and Atmospheric Administration**

Bruce Hicks, Director, Air Resources Laboratory  
Tom Renz, Lead Meteorologist, Alaska Aviation Weather Unit

9:10-9:30

**Department of Energy**

Dr. Peter Lunn, Program Director, Atmospheric Sciences Program  
Dr. Don Ermak, Program Leader, Atmospheric Release  
Assessment Programs, Lawrence Livermore National  
Laboratory

9:30-9:50

**Environmental Protection Agency**

Phil Campagna, Chemist, Environmental Emergency Response  
Center  
Mark Evangelista, Chief, Air Quality Support Branch, Office of  
Air Quality and Planning Standards

9:50-10:00

**Federal Emergency Management Agency**

Paul Bryant

10:00-10:30

**Break**

10:30-10:40

**Nuclear Regulatory Commission**

Jocelyn Mitchell, Senior Technical Advisor, Office of Research

10:40-10:50

**Department of the Interior**

Marianne Guffanti, Coordinator, Volcano Hazards Program, U.S.  
Geological Survey

10:50-11:00

**Department of Agriculture**

Dr. Al Riebau, National Program Lead for Atmospheric Science  
Research, Forest Service

11:00-11:20

**Department of Transportation**

Steve Albersheim, Aviation Weather Requirements, Federal  
Aviation Administration  
Dr. Steve Hwang, Chemical Engineer, Research and Special  
Programs Administration

11:20-11:30

**Air Force Range Safety**

Carlton “Bud” Parks, Senior Meteorologist, Air Force Range Safety

11:30 - 12:50

**Lunch On Your Own**

12:50 - 5:00 p.m.

**SESSION II - AGENCY DISPERSION MODELING CAPABILITIES**

**Session Chair:** Jeff McQueen, NOAA Air Resources Laboratory

**Rapporteur:** David Weinbrenner, National Centers for Environmental Prediction

1:00-1:45

**Environmental Protection Agency**

Dennis Atkinson, Meteorologist, Office of Air Quality and Planning Standards

Alan Cimorelli, Lead Meteorologist, EPA Region 3

Mark Evangelista, Chief, Air Policy Support Branch, Office of Air Quality and Planning Standards

1:45-2:45

**Department of Defense**

Ronald Cionco, Research Meteorologist, US Army Research Laboratory

Ronald Meris, Physical Scientist, Defense Threat Reduction Agency

Mike Henley, Research Chemist, Air Force Research Laboratory

Tim Bauer, Program Manager, Modeling and Simulation, Naval Surface Warfare Center Dahlgren Division

2:45-3:15

**Break**

3:15-3:45

**Department of Energy**

Dr. Jerome Fast, Senior Research Scientist, Pacific Northwest National Laboratory

Dr. Don Ermak, Program Leader, Atmospheric Release Assessment Programs, Lawrence Livermore National Laboratory

3:45-4:15                    **National Oceanic and Atmospheric Administration**  
  
Dr. Darryl Randerson, Chief, Special Operations and Research  
Division, Air Resources Laboratory  
Dr. Jerry Galt, Chief, Hazardous Materials Response Division,  
National Ocean Service

4:15-4:30                    **Nuclear Regulatory Commission**  
  
Jocelyn Mitchell, Senior Technical Advisor, Office of Research

4:30-4:45                    **Air Force Range Safety**  
  
Carlton “Bud” Parks, Senior Meteorologist, Air Force Range  
Safety

4:45-5:00                    **Department of Transportation**  
  
Dr. Steve Hwang, Chemical Engineer, Research and Special  
Programs Administration

**Wednesday, June 7, 2000**

7:30 - 8:30 a.m.                    **CONTINENTAL BREAKFAST**

8:30 - 12:00 Noon                    **SESSION III - TECHNICAL BARRIERS TO DISPERSION  
MODELING PANEL**

**Moderator:** Ronald Cionco, Army Research Laboratory  
**Rapporteur:** Robert Lawson, Environmental Protection Agency

**Panel Members:**  
Dr. Ray Hosker, Director, Atmospheric Turbulence & Diffusion  
Division, Air Resources Laboratory  
Paul Bryant, Federal Emergency Management Agency  
Jim Bowers, Dugway Proving Ground  
Jocelyn Mitchell, Nuclear Regulatory Commission  
Al Cimorelli, Environmental Protection Agency  
Dr. Jerome Fast, Pacific Northwest National Laboratory

8:30-10:00                    Panel members address technical issues identified by agencies (15  
minutes each)

10:00-10:30            **Break**

10:30-12:00 Noon    Open Discussion

12:00 Noon - 1:30 p.m.    **Lunch On Your Own**

1:30-4:00 p.m.        **SESSION IV- MODEL VALIDATION, VERIFICATION  
AND APPROVAL AND MODEL SUBSET BREAKOUTS  
(CONCURRENT)**

**Breakout One**- Methods for Validation, Verification and Approval of  
Models

**Co-Chairs:** William Petersen, EPA, National Exposure Research  
Laboratory

Tim Bauer, Naval Surface Warfare Center, Dahlgren

**Rapporteur:** Marcia Carpentier, Environmental Protection Agency

**Breakout Two**- Establishing Subsets of Models to Meet Dispersion  
Applications (Identify “subsets” of models suitable for different  
operational scenarios which are scientifically and technically sound)

**Co-Chairs:** Dr. K.S. Rao, Air Resources Laboratory, Oak Ridge  
LTC Todd Hann, USA, Defense Threat Reduction Agency

**Rapporteur:** Ron Meris, Defense Threat Reduction Agency

2:30-3:00            **Break**

**Thursday, June 8, 2000**

8:00 - 9:00 a.m.        **BREAKFAST (Cambridge Cafe)**

9:00 - 10:45 a.m.      **SESSION V- SUMMARY AND WRAP-UP**

**Session Chair:** Dr. Darryl Randerson

9:00-10:30            **Summary**

Panel Report: Ronald Cionco

Breakout One Report: William Petersen, Tim Bauer

Breakout Two Report: Dr. K.S. Rao, LTC Hann, USA

10:30-10:45

**Workshop Wrap-up/Closing Remarks**

Mr. Samuel P. Williamson, Federal Coordinator for Meteorology