Call for Abstracts

for
Air & Waste Management Association's
99th Annual Conference & Exhibition
Including the Symposium on Particulate Matter and Health

The Air & Waste Management Association's 99th Annual Conference & Exhibition will be held in New Orleans, LA, June 20–23, 2006. On behalf of A&WMA, we are please to invite abstracts of original work on any environmental issue, including those related to the general Focus Area list published on the following pages. The abstracts will be evaluated for

- technical quality;
- relevance and significance to current environmental issues; and
- lack of commercialism.

Abstracts may be submitted by filling out the abstract submittal form using our online abstract submittal system, Oasis, at www.awma.org/ACE2006.

New to the process this year, instead of sessions, all abstracts will be assigned to a general Focus Area, which encompasses a particular subject area. A bulleted list of subtopics, known as Principal Areas (PAs), is listed below each Focus Area. Think of PAs as a guideline for the related topics under the Focus Area. Please note that abstracts will not be assigned to the PAs, but to the Focus Areas. These PAs are listed only as a guideline and abstracts may be submitted on a topic not listed in the bulleted guideline.

Another new feature for 2006, the A&WMA Annual Conference & Exhibition will sponsor a featured major Symposium entitled **"Particulate Air Pollution and Health,"** which will include the 2006 Critical Review, a plenary session, five related panel sessions featuring invited experts on health issues, and several related paper sessions. Abstracts may be submitted to the indicated Critical Review Focus Area or to a related Technical Coordinating Committee (e.g., AB-1) Focus Area. Coordination will be done among submissions to both areas, insuring the best location of an accepted abstract in the Annual Conference Technical Program.

Abstracts must be submitted by no later than ***September 30, 2005.***

Please review the Focus Area list provided on the following pages and indicate on the online form the proposed Focus Area for which you would like your abstract to be considered. If a chair of a specific area or Technical Coordinating Committee has invited you to participate and you wish to submit an abstract for that area, please be sure you have selected the correct Focus Area.

Please be sure to submit your abstract and all of your correct contact information via the online abstract submittal system. Paper presentations and poster presentations will be treated identically in all aspects (including the submission of abstracts and either an extended abstract or full manuscript for accepted papers), except in the form of presentation at the conference. A paper presentation is given orally, while a poster presentation is a visual display. Please note the change in requirement this year for submission of either an extended abstract or full manuscript (choice to be made by the submitter) for inclusion in the Conference Proceedings.

Authors will be notified of the preliminary acceptance of their abstract by mid-November 2005. For inclusion in the Annual Conference Technical Program, a complete draft manuscript of the extended abstract (2–4 pages) or paper (10–15 pages) must be received by January 25, 2006, and reviewed and revised by the final deadline of March 26, 2006. Final acceptance for the conference is based upon the draft and final manuscript/extended abstract. The manuscript/extended abstract must adhere to the Style Guide, which will be provided with the notification of the preliminary acceptance of your abstract. To view the Style Guide for full papers in 2005, please go to www.awma.org/events. A style guide for extended abstracts will be posted by September 1, 2005.

Delbert Eatough
Technical Program Chair

Andrew Lavin
Technical Program Vice Chair

A&WMA policy stipulates that all authors who attend the Annual Conference must register for the conference and pay the appropriate registration fees.

2006 A&WMA Annual Conference List of Proposed Technical Sessions

Abstracts are solicited on current issues, case studies, and practical experiences. Please review the proposed Focus Areas and indicate on the online submittal form which Focus Area best encompasses your abstract. If your abstract matches more than one Focus Area, list the choices in your preferred order. The following list of Focus Areas is segmented according to the Technical Council Groups (Air, Environmental Management, and Waste), Divisions, and Technical Coordinating Committees. Also included are Focus Areas for the featured Symposium and Critical Review, Education Council, and International topics.

AIR

BASIC SCIENCES

AB-1 Particulate Matter (PM)

- Fine Particles
- Coarse Particles
- PM Measurement
- Emerging Technologies
- PM Field Studies and Data Analysis

AB-2 Chemistry of the Atmosphere

- Atmospheric Deposition
- Analytical Chemistry
- Secondary Gaseous and Particulate Pollutant Formation
- Chemical Modeling

AB-3 Air Pollution Meteorology

- Applications of Short-Range Air Dispersion Modeling
- Applications of Long-Range Transport Modeling
- Regional One-Atmosphere Models
- Real-Time Meteorological Monitoring and Databases
- Emerging Guidelines for Regulatory Air Quality Models

AB-5 Noises and Vibration

- Current Noise Issues

AB-6 Visibility

- Regional Planning Organization Analyses
- Visibility Field Studies
- Urban Visibility
- Evolving Measurement Techniques
- Optical Properties of Aerosols

AB-7 Indoor Air Quality

- Indoor Air Chemistry and Physics
- Indoor Air Exposure and Risk Analysis
- Control and Monitoring of Indoor Air Pollution
- Homeland Security

EMISSION CONTROL TECHNOLOGY

AE-1 Control of Trace Metals, Particulates, and Acid Gases

- Multi-Pollutant Control
- Fine Particle Control Technology
- SO_3 Control Technologies
- Control of CO_2 Emissions from Combustion Sources
- NO_x Control: Emerging Technologies and Case Studies
- Mercury Emissions from Combustion Sources: Behavior, Control, and Management

AE-2 Control of Solvents, Odors, and Gases

- Biological Control of Organic Emissions
- Developing New Technologies for Organic Emissions Abatement
- New Developments and Experiences in NO_x Control for Non-Utility Applications
- Organic Vapor Sorption Systems Using Novel Adsorbents and Regeneration Techniques

MEASUREMENTS

AM-1 Emission Factors and Inventories

- Regional Emission Inventories: Status and Update
- Area, Natural, and Fugitive Emissions
- LDAR (Leak Detection and Repair) Programs: Historical Progress and Future Trends
- Emission Factors Issues
- Condensable Emissions: Fact or Fiction as a PA

AM-2 Receptor Modeling/Source Apportionment

- Recent Development of PM Source Apportionment: Southeast Asia
- Source Apportionment: From Emissions to Modeling

AM-3 Ambient Monitoring

- Atmospheric Deposition
- Advances in Ambient Air VOC Measurements
- Latest Advances in Ambient Monitoring

- Ambient Monitoring Projects and Programs
- Ambient Monitoring International

AM-4 Source Monitoring

- Particulate Matter Measurement from Emission Sources
- What is Particulate Matter?
- Stationary Source Testing, Quality Assurance, and Accreditation

AM-5 Data Management, Analysis, and Quality Assurance

- Modeling and Informatics for Environmental Decision Support
- Management and Analysis of Large-Scale Air Quality Data
- Application of Artificial Intelligence and Data Mining in Air Quality Management
- Data Analysis and Pollution Trends
- Quality Assurance and Quality Control
- Environmental Data Analysis: Assessing Health and Environmental Impacts

OPTICAL SENSING

AO-1 Techniques of Optical Sensing

- Advances in Open Path Optical Techniques
- Extractive Optical Measurement Methods for Point Source Emissions
- Advances in LIDAR Technology
- Advances in Optical Sensing Technology in Europe
- Optical Sensing of Particulate Matter

AO-2 Application of Optical Sensing

- Smart LIDAR Optical Sensing, Use and Testing, Equipment and End Users
- Fugitive Emissions from Area Sources
- Site Remediation and Cleanups
- General Application of Optical Remote Sensing

TOXIC AIR POLLUTANTS

AT-1 Toxic Emissions Release, Response, and Strategies

- Epidemiological Evidence of Air Toxics - Size Matters
- Acute Hazards Modeling and Emergency Response
- International Air Toxics Emission Inventories
- MACT Standards Update
- Regional Air Toxic Emission Inventories (Current and Future)
- Urban Air Toxics

AT-3 The Health and Environmental Effects of Air Toxics

- Investigating Environmental Influences of Disease
- Estimating the Risk from Exposure to Mercury
- Ambient Air Toxics - Health and Environmental Risks
- Ambient Air Toxics Monitoring
- Assessing the Effects of Episodic Exposures (CBRE - Chemical, Biological, Radiological, and Explosive Compounds)

ENVIRONMENTAL MANAGEMENT

EFFECTS

EE-1 Health Effects and Exposure

- Exposure Assessment
- Health Assessment
- Integrating Environmental and Health Data

EE-5 Risk Assessment and Management

- Management of Diesel Health Risk from Ships, Trains, and Trucks
- Evaluating Remedial Objectives
- Use of Risk Assessment, Innovative Tools and Programs for Reducing Injury and Accidents in the Workplace
- Risk Assessment/Risk Management Activities at Military Installations
- Residual Risk

EE-6 Odor Measurement, Effects, and Management

- Odor Impacts from Animal/Agricultural Operations
- Odor Modeling
- Odor Impacts from Solid Waste Processing Facilities
- Odor Management at Industrial and Manufacturing Facilities

INDUSTRIAL PROCESSES

EI-1 Federal Facilities

- Environmental Review of Federal Actions
- Environmental Compliance at Federal Facilities
- ESOH Management System in the Federal Government
- ESOH Risk Reduction - Process-Based Information Management
- Environmental Challenges and Solutions for Department of Defense Training and Testing Ranges
- Performance Based Cleanup at Federal Facilities

EI-2 Power Generation

- Carbon Capture and Sequestration
- Shareholder Reports on Climate Change Impacts on the Power Industry
- Mercury Controls in the Power Generation Industry
- Integrated Gasification Combined Cycle Applications for Tomorrow
- SO_3 Mitigation Experiences in the Power Generation Industry
- Liquefied Natural Gas (LNG) Issues Relating to Power Industry

EI-3 Non-utility Boilers, Furnaces, and Process Heaters

- Regulatory Overview for Industrial Boilers, Furnaces and Process Heaters
- Practical Tools for Compliance with the Industrial Boiler MACT
- How LNG (Liquefied Natural Gas) Impacts the Domestic and Industrial Energy Markets
- CHP and Cogeneration as Key Strategies for Meeting the Domestic Energy Demands

EI-4 Chemical/Petroleum Sources

- Environmental Risk Issues
- Emission Control Standards and Permitting Issues
- Regulatory Compliance Issues
- LNG Facilities Technology and Policy

EI-5 Cement, Lime, and Non-Metallic Mineral Processing

- SO_x Control Issues
- CAM Issues
- Climate Change Issues
- MACT Implementation Issues
- Enforcement Cases
- Permitting of Alternative Fuels and Raw Materials

EI-6 Metal Industries

- Foundry Emissions and Emission Measurements
- Implementation of 2006 Iron and Steel MACTs
- Metals Industry Challenges
- MACT Standards Update

PROGRAM ADMINISTRATION

EP-1 Air Pollution Policy and Regulations

- New Source Review
- Highly Reactive VOCs
- Environmental Science and Engineering Education
- Title V
- Emissions Trading
- NAAQS: PM and Ozone, Standards, Regulations, and Programs

EP-3 Legal/Liability

- The CERCLA Program
- Environmental Disclosure/Environmental Finance
- RCRA Corrective Actions

EP-4 Permitting and Siting

- Permitting in the 21st Century
- Permitting Strategies for Facilities

EP-5 Public Participation and Facility Siting

- Involving the Public in Environmental Siting and Policy Questions

EP-6 Information Solutions

- Advances in ISO 14001 Program Technology
- Sustainable Development Management and Metrics Information System
- Global Implementation of Environmental Management Information Systems
- Stakeholder Experiences with State and Federal
- Facility Compliance System Solutions

EP-8 Environment, Health, and Safety (EH&S) Management Systems

- ISO 14001 EMS Development and Implementation
- Environmental Performance Results from EMS Implementation
- EH&S Management Systems Development and Integration

EP-9 Professional Environmental Ethics

- Ethics Workshop for Environmental Professionals

POLLUTION PREVENTION AND SUSTAINABLE DEVELOPMENT

ES-1 Pollution Prevention

- Identification of P2 Opportunities
- Pollution Prevention and Product Stewardship/Life Cycle Ownership/ Recycling
- Pollution Prevention in Cleaning and Removal Techniques
- Pollution Prevention in Coating and Corrosion Control
- Research and Development of New Pollution Prevention Techniques
- Approval and Implementation of Pollution Prevention Techniques

ES-4 Global Sustainable Development

- Climate Change and GHG Inventories
- Global Energy and Environmental Management
- Linking Economics, Ecology, and Society
- Industrial Ecology and Sustainability
- Sustainable Development Through Partnership and Collaboration
- Sustainable Transportation
- Environmental Quality in Developing Countries

TRANSPORTATION ISSUES

ET-1 Transportation On- and Off-Road

- Mobile Source Air Toxics
- Diesel Issues
- Non-Road Sources: Marine, Rail, and Others
- Mobile Emissions, Alternative Fuels and Vehicles
- Mobile Emissions Modeling and Projections

ET-2 Land Use and Transportation

- Sprawl and Smart Growth
- Land Use Measures for Air Quality
- Sustainable Transportation
- Transportation Conformity
- General Transportation Issues

WASTE

MUNICIPAL AND MEDICAL WASTE

WM-1 Integrated Waste Management, Waste Prevention, and Recycling

- Integrated MSW Management Systems; Zero Waste Systems; Resource Exchanges/Parks
- MSW Recycling Technology, Economics, and Policy
- MSW Prevention and Reuse; Waste Generation and Characterization; Materials Reduction
- E-Waste Reuse, Recycling, and Management
- International Perspectives and Case Studies in Municipal Solid Waste Management
- Special Wastes Prevention, Reuse, and Management

WM-3 Municipal Waste Treatment

- Water/Wastewater Treatment Residuals, Management, and Processing
- Landfilling and Composting Technologies, Policies, and Applications
- Bioenergy and Alternative Fuels - Technologies, Policies, and Applications
- Ash and Residuals Management and Beneficial Use - Technologies, Policies, and Applications
- Industrial Non-Hazardous Waste Management and Treatment
- Thermal Treatment of Solid Wastes/Residuals and Waste-To-Energy Applications

WM-4 Medical Waste

- Medical Waste Management and Policy
- Medical Waste Prevention, Reuse, and Recycling
- Medical Waste Treatment and Processing Technology
- Biomedical and Pharmaceutical Management

MANAGEMENT AND REMEDIATION OF HAZARDOUS, RADIOACTIVE, AND MIXED WASTE

WR-1 Site Characterization, Remediation, and Closure

- Rapid Site Assessment
- Perchlorate and Other Emerging Chemicals
- DoD Range Management
- Brownfield Programs

WR-2 Multi-Media Restoration, Remediation Approaches, and Technologies

- Pesticides in Soils, Sediments, and Groundwater

- In-Situ Remediation Technologies
- Indoor Air Vapor Intrusion
- In-Situ Soil Remediation
- Arsenic and Mercury
- Landfill Capping and Phytoremediation
- Environmental Management of Scrubber Solutions from Power Plants
- Chemical/Petrochemical Industries: Environmental Research Issues

INTER-COMMITTEE TASK FORCE

ITF-9 Homeland and Environmental Security

- Detection Technologies for Homeland Security: Threat Identification, Target Protection, and Cleanup Progress
- Meteorological and Air Dispersion Modeling for Homeland Security
- Homeland Security and the Agricultural Sector
- Indoor and Outdoor Decontamination and Restoration

ITF-10 Agricultural Environmental Issues

- Agricultural Environmental Issues
- Modeling of Emissions and Dispersion from Livestock and Poultry Operations

Critical Review: Particulate Matter and Health Symposium

- Short-Term Exposure and Mortality
- Long-Term Exposure and Health Effects
- Air Pollution and Cardiovascular Health
- Other Health Outcomes and Susceptibility
- Characteristics of PM and Related Considerations
- PM Basic Sciences: PM Measurement and Characterization, Ambient Monitoring, Chemistry, Meteorology, Visibility, and Indoor Air Quality
- Source Apportionment
- Emissions Control Technology: Control of Particulate Matter and Associated Acids, Emission Factors and Inventories, Industrial Sources, and Area Sources
- Optical Sensing
- Toxic Air Pollutants
- Health Effects: Exposure, Risk Assessment, and Management
- Policy and Regulations
- Attainment

EDUCATION COUNCIL

Environmental Education and Communication

- Public Participation and Outreach
- Voluntary Control Programs
- Environmental Education: Program Issues and Training Needs

International Focus

- Cross-Cutting Studies
- Recent Development of PM Source Apportionment: Asia
- Ambient Monitoring International
- International Air Toxics Emission Inventories
- Environmental Quality in Developing Countries
- Advances in Optical Sensing Technology in Europe

CALL FOR NOMINATIONS

2006 Honors & Awards

Each year, the Air & Waste Management Association (A&WMA) recognizes individuals and companies for their outstanding accomplishments in the promotion of a clean environment through the Honors & Awards Program. These awards were created by the Association to encourage environmental professionals to serve as models for others to emulate and, in doing so, further the mission and objectives of A&WMA.

Complete applications and criteria for each award can be found on the A&WMA Web site at www.awma.org.

For more information on all of the Honors & Awards, including Fellows and the J. Deane Sensenbaugh Environmental Technology Award, contact Adrianne Carolla, Senior Director, at phone: +1-412-232-3444, ext. 3150; or e-mail: acarolla@awma.org. The deadline for nominations for the J. Deane Sensenbaugh Environmental Technology Award is December 15, 2005. The deadline for all other nominations is November 1, 2005.