CALL FOR ABSTRACTS

Submit your work and present at the most comprehensive conference on environmental science, technology and regulation

Gateway to Innovation

A&WMA invites abstracts (200 – 400 word summaries) on timely environmental challenges and solutions reflecting the need for innovation to address energy, economic, social, scientific and political factors shaping international environmental policy and decision-making. Abstracts for individual platform and poster presentations and panel sessions, including abstracts for solicited sessions and presentations, consistent with our theme of innovation to meet current and future environmental challenges are encouraged. Case studies and practical applications are especially desired.

For ACE 2020, we have three options for abstract submittals (due November 18, 2019):

1. Abstracts for individual platform or poster presentations, with later submittal of a full manuscript or extended abstract that will receive a technical review.
2. Abstracts for individual platform or poster presentations, with later submittal of a PowerPoint presentation that will receive only a content review.
3. Abstracts for panel session proposals submitted by the panel chair, which will receive a content review. Accepted panels will require a later submittal of a panel synopsis describing the panel topic and goals with a list of panelists.

Categories of interest are outlined on the following pages by major topic areas and sample subtopics, but other related topics are welcome. The abstract submission site can be accessed at www.awma.org/ACE2020authors. See the Technical Program Timeline to the left for important deadlines.

Why you should present

A&WMA’s Annual Conference is recognized as the premier international conference of its kind providing the latest information on air, environmental management and risk, climate change, resource conservation, and waste issues. The conference typically has about 300 platform and poster presentations, 35+ panel sessions, and up to 10 concurrent sessions. This is your opportunity to share your work at this technical conference and have it published in the proceedings, enhance the knowledge base of the industry, hear panel discussions of late breaking topics, and interact with an engaged audience of your peers, including: industry practitioners, consultants, regulators, students, and researchers.

This year’s conference location is San Francisco, California, which is the ideal place for scientists, practitioners, regulators, and companies to gather from around the world to share new ideas and develop solutions to current and emerging environmental issues. California is a global leader in environmental and energy technologies, at the forefront of policies addressing climate change. This conference will bring leading environmental experts and practitioners together to spark new environmental initiatives embracing innovation and the vision to address and develop new approaches and effective solutions to addressing climate change, sustainability, emerging contaminants of concern and other environmental issues while accommodating growth.

Mark your calendar for three days of professional growth in California’s City by the Bay and get ready for an intellectual and stimulating conference and venue with a rich history of innovation and growth. We hope to see you to share and present your work and make key connections at the 113th Annual Conference and Exhibition, A&WMA’s premier event.

Find the complete Call for Abstracts and all conference details online at www.awma.org/ACE2020.
How to Submit an Abstract:

All abstracts must be submitted no later than November 18, 2019, using the abstract submission website. A&WMA cannot assure acceptance of late submittals. Detailed information, further instructions, and a link to the abstract submittal site can be found on the Author Resources page: www.awma.org/ACE2020authors.

All abstracts are initially evaluated on technical quality, relevance and significance to current environmental issues, and absence of commercialism. Accepted abstract submissions will undergo a technical or content-only review, depending on author preference, and be selected for presentation in a platform or poster session. The program will include a poster-only session scheduled in a dedicated time slot, with no competing technical sessions. Panel proposals will receive a content review, and if accepted, Panel Session Chairs will determine the manner in which the presentations are organized.

A full manuscript, extended abstract, or PowerPoint slides are required for each accepted abstract and a final Panel Synopsis is required for each accepted panel session prior to the conference. Final versions submitted in accordance with the submittal guidelines (www.awma.org/ACE2020authors) will be included in the online conference proceedings provided they were actually presented in a platform, poster, or panel session at the conference.

Awards for YP Presentations and Student Posters

Presenters at the Conference will be selected for awards in the following categories:

- Young Professional (YP) Best Paper Award in a Platform or Poster Session (must submit full-length paper or extended abstract for technical review, be the primary author of the paper, and not be a full-time student to be considered for this award)
- Student Poster Awards

For more information and details related to eligibility criteria for these awards and requirements, please visit the conference website at www.awma.org/ACE2020authors.

- YP Platform/Poster abstracts must be submitted no later than November 18, 2019.
- Student Poster abstracts may be submitted until January 13, 2020.

Special Instructions

Individual submitters should note that they have the choice of presentation formats. Professionals may choose either Platform or Poster presentation format and can indicate a preference for one format if they desire (although it may be necessary to reassign some platforms to posters in some cases). Undergraduate, masters, and doctoral students have the choice of a Student Platform presentation or a Student Poster (note alternative Student Poster deadline above). When submitting an abstract, please do not submit the same abstract more than once with different formats (i.e., one for a Professional Platform and a duplicate abstract for a Student Platform). Note that if you are an individual author or group of authors submitting a single work for presentation at the Conference, do not select the Panel Session option, as your work will be grouped with other presentations in a similar topic area into a Platform Session by the Technical Program Committee, or included in the main Poster Session, as appropriate. You will be notified if your work is a better fit in one of the proposed panel sessions.

Panel Session proposals should be submitted by potential session chairs who want to propose a topic area for a full session of multiple presenters in a panel format, typically about 100 to 120 minutes in duration. Professionals submitting an abstract for a Panel Session will be expected to recruit speakers for the session, organize the session, review and coordinate the presentations from the panelists, and chair the session at the conference.
2020 Mini-Symposium – Embracing Innovation
The program will include a Mini-Symposium that follows the conference theme, “Gateway to Innovation.” With the rapidly increasing threat from global climate change and its potential for sea level rise, agricultural impacts and human dislocation from extreme weather events, there is a clear need for new and innovative solutions. Multi-disciplinary work and new approaches to policies and solutions to tackle our energy needs, decarbonization, and addressing current and emerging environmental challenges is required. This year’s Mini-Symposium will focus on a variety of new ideas and approaches for mitigating environmental and human health impacts. Mini-Symposium sessions will be formed from submitted abstracts and panels, and scheduled to minimize conflict with other sessions of similar content. The range of topics that embrace innovation may include transformation to renewable energy sources, transportation, climate change adaptation and mitigation through sustainable practices, technological innovations, and regulatory policy for air quality, climate, and waste management.

PROPOSED TOPICS

Conference Theme, Local and Hot Topics
- Agency Response, Health Effects, and Other Impacts from Wildfires
- Carbon Taxes/Markets
- Clean Technology
- Coastal Adaptation to Climate Change
- Community-Based, Mobile, Remote, and Fenceline Monitoring
- Community-Focused Emission Reductions
- Emerging Contaminants of Concern
- Environmental Issues for Maritime and Bulk Ports
- Environmental Issues for Oil Refineries
- Environmental Issues for Airports
- Environmental/Sustainability Issues from High-Tech Companies
- Federal versus State/Local Perspectives on Renewables
- Organic Waste Diversion
- State and Local Government Climate Change Programs
- Zero Waste Innovations

Environmental Education
- Challenges Facing Environmental Education
- High School Teacher Workshop on Environmental Lesson Plans
- How to Liven Up Technical Presentations

Air Quality Issues
Measurements, Monitoring, and Controls
- Air Quality Measurements in Developing Countries
- E-Enterprise for the Environment: Impact on Industrial Reports
- Emissions for Point and Non-Point Sources
- Flare Emissions and Control
- GHG/CO₂ Control Technologies and Strategies
- Mercury Control Technologies
- Near-Source Measurement and Monitoring
- Next Generation of Air Monitoring Tools for Fugitive, Fenceline, and Area Source Applications
- Ozone SIP Implementation Strategies
- Personal Exposure Measurement in Community Settings
- PM, VOC, and NOx Control Technologies

Atmospheric Processes
- Air Dispersion Modeling: Case Studies, Issues, Applications, Advances, and Guidance
- Air Quality Impacts of Wildfires and Prescribed Burning
- Innovative Air Quality Modeling Techniques
- PAMS and Precursor Data Analysis
- Particulate Methods, Speciation, and Analysis
- Photochemistry - New Insights in Our Understanding of the Atmospheric Processes
- PM₂.₅ Long Range Transport
- Secondary Particulate Formation
- Topics in Visibility

Environmental Management
Effects and Exposure
- Agricultural Emissions and Impacts on Air Quality
- Characterization of Odors using FIDOL
- Emerging Contaminant Exposures (PFAS)
- Environmental Management Systems
- Exposure and Health Effects of Regulated and Non-Regulated Air Pollutants
- Indoor/Outdoor Pollution Exposure and Effects
- International Air Pollution Exposure and Effects
- Multi-Pollutant Health Effects
- Odor Measurement, Pollution Exposure and Effects
- Odor Mitigation and Ambient Air Assessment
- Risk Assessment, Management, and Communication: Issues and Recent Experience
- Safety: Management and Recent Experience

Transportation
- Air Pollution from Internal Combustion Engines
- Freeway/Highway Vehicle Speed Effects on On-Road Mobile Source Emissions
- Modeling Issues in PSD/Nonattainment/Minor NSR Permitting
- New Source Review (NSR): Issues and Recent Developments
- On- and Off-Road Mobile Sources and Near Road Air Quality
- Transportation: Sustainability and Health—Issues and Concerns
- Transportation Noise Issues
Program Administration

- Air Permitting and Compliance: Problems, Solutions, and Case Studies
- BACT Development and Implementation
- Citizen Monitoring
- Clean Air Act Regulatory and Policy Developments - Time for Amendments/Revisions?
- EPA Priorities 2020 and Beyond
- Impact of Recent Court Rulings on Implementation of the Clean Air Act

Industry, Power Generation, Government, and Indigenous Sectors

- Environmentally Responsible Power Plant Decommissioning
- Hot Topics in the Chemical and Refining Industries
- International Power Generation (Fossil, Renewable, Nuclear): Status, Policy, Regulations, Technology, etc.
- Mineral Processing and Extraction
- Nanomaterials: Environmental and Occupational Safety and Health; and Regulatory Developments
- Nanotechnology: Applications, Research Advances, and Safety
- Power Plant Efficiency Improvements and Emissions Reductions through Technological Innovation
- Power Plant Effluent Guideline and Regulation Challenges
- Regulations Impacting the Power Generation Industry
- Repowering Coal-Fired Generation
- Unconventional Oil & Gas: Issues, Controls, and Emission Calculations

Sustainability, Climate Change, Resource Conservation, and Waste Management

Climate Change – Science, Policy, Impacts, Regulations, Mitigation, and Adaptation

- Climate Change Resiliency and Adaptation
- Climate Change Science and Impacts
- Climate Change Risk Management
- Downscaling Climate Change Models
- Environmental Justice and Climate Change
- Federal, State, and Regional Greenhouse Gas Policies
- Financing Mechanisms for Climate Change
- Greenhouse Gas Emissions Reporting
- Greenhouse Gas Impacts from Agriculture and Wildfires
- Integrated Air Pollution and Greenhouse Gas Policy
- Local Climate Change Planning and Tracking
- Transportation Policies for Climate Change

Sustainability and Resource Conservation

- Circular Economy and Sharing Economy
- Corporate Implementation of Sustainability
- Energy-Water-Waste Nexus
- Ethics in Sustainability Practices
- Green Infrastructure Design and Jobs
- Green Products: Design, Life Cycle Impacts, and Jobs
- Local and State Government Sustainability
- Reduction, Reuse, Recycling and Processing of Food Waste
- Responsible Consumption and Citizen Actions towards Sustainability
- Reuse, Recycling, and Reclamation – Case Studies and Advances in Regulatory and Business Issues
- Sustainability Metrics, Initiatives, and Analytics
- Sustainability and Resilience Planning: Global Perspectives and Case Studies
- Waste Prevention and Diversion: Metrics, Innovative Policies, Enforcement, and Performance Tracking

Waste Processing, Waste-to-Energy, and Bioenergy

- Biomass Energy: Combustion, Gasification, Liquid Biofuels, Torrefaction, and Pelletization
- Conflicts and Gaps in Waste Management Regulations
- Hazardous Waste Characterization, Treatment, and Reuse
- International Perspectives on Waste Management
- Landfills: Management, Remediation, Gas Collection, and Utilization Systems
- Processing, Treatment, and Reuse of Residuals from Water Supply and Wastewater Treatment
- Residuals Management and Reuse: Ash, C&D, Industrial, and Waste Tires
- Site Assessment, Site Remediation, and Vapor Intrusion
- Solid Waste Generation, Characterization, and Collection
- Sustainable Site Remediation and Brownfields Development
- Waste-to-Energy and Waste Conversion Technologies and Systems