

ACE 2021 Main Topic and Sub Topics with Code and Description

Conference Theme, Local and Hot Topics

LH-Local Host, Hot Topics and Conf Theme

- LH01 · Air Quality Effects of Sugarcane Burning
- LH02 · Carbon Taxes/Markets
- LH03 · City/Regional Climate Action Planning
- LH04 · Clean Technology
- LH05 · Coastal Adaptation to Climate change
- LH06 · Community Based, Mobile, Remote, and Fenceline Monitoring
- LH07 · Community-Focused Emission Reductions
- LH08 · Corporate Greenhouse Gas Target-Setting Factors
- LH09 · COVID Impacts on Land Use, Building Use and Indoor Air
- LH10 · Emerging Contaminants of Concern
- LH11 · Environmental Impacts from Maritime and Bulk Ports
- LH12 · Environmental Issues for Oil Refineries
- LH13 · Environmental Issues for Airports
- LH14 · Environmental Issues from Wildfires
- LH15 · Federal versus State/Local Perspectives on Renewables
- LH16 · Health Risk Assessments in Air Permitting Programs
- LH17 · Organic Waste Diversion
- LH18 · Site Remediation and Brownfields Redevelopment
- LH19 · State and Local Government Climate Change Programs
- LH20 · Zero Waste

Environmental Education Topics

EC-Ed Council Topics

- EC01 · Challenges Facing Environmental Education
- EC02 · Environmental Lesson Plans
- EC03 · How to Liven Up Technical Presentations

Air Quality Issues

AM- Air Measurements, Monitoring and Controls

- AM01 · Air Quality Measurements in Developing Countries
- AM02 · Development of Emission Inventories
- AM03 · E-Enterprise for the Environment: Challenges for the Combined
- AM04 · Emissions for Point and Non-Point Sources
- AM05 · Impact of COVID-19 on Air Quality
- AM06 · GHG/CO2 Control Technologies and Strategies
- AM07 · Near-Source Measurement and Monitoring
- AM08 · Next Generation of Air Monitoring Tools for Fugitive, Fenceline and Area Source Applications

- AM09 · Ozone SIP Implementation Strategies
- AM10 · Personal Exposure Measurement in Community Settings
- AM11 · PM, VOC, NOx and Hg Control Technologies

AP-Atmospheric Processes

- AP01 · Air Dispersion Modeling: Case Studies, Issues, Applications, Advances and Guidance
- AP02 · Air Quality Impacts of Wildfires and Prescribed Burning
- AP03 · How to Present Modeling Results to the Public
- AP04 · Innovative Air Quality Modeling Techniques
- AP05 · PAMS and Precursor Data Analysis
- AP06 · Particulate Methods, Speciation and Analysis
- AP07 · Photochemistry - New Insights in Our Understanding of the Atmospheric Processes
- AP08 · PM2.5 Long Range Transport
- AP09 · Regional Haze - Industry, State and Federal Views and Actions
- AP10 · Secondary Particulate Formation
- AP11 · Visibility Science, Policy and Related Topics

Environmental Management

EE-Effects and Exposure

- EE01 · Agricultural Emissions and Impacts on Air Quality
- EE02 · Air Quality and Health Effects
- EE03 · Characterization of Odors using FIDOL
- EE04 · Emerging Contaminant Exposures (PFAS)
- EE05 · Environmental Management Systems
- EE06 · Exposure and Health Effects of Regulated and Non-Regulated Air Pollutants
- EE07 · Indoor/Outdoor Pollution Exposure and Effects
- EE08 · International Air Pollution Exposure and Effects
- EE09 · Multi-Pollutant Health Effects
- EE10 · Odor Measurement, Monitoring and Control Methods
- EE11 · Odor Mitigation and Ambient Air Assessment
- EE12 · Risk Assessment, Management and Communication: Issues and Recent Experience
- EE13 · Safety: Management and Recent Experience

ET-Transportation

- ET01 · Air Pollution from Internal Combustion Engines
- ET02 · Alternative Fuels and Transportation
- ET03 · Exhaust and Non-Exhaust Emissions
- ET04 · Freeway/Highway Vehicle Speed Effects on On-Road Mobile Source Emissions
- ET05 · innovative Policies on Land Use to Reduce Transportation Source Impacts and Address Environmental Justice
- ET06 · Off Road Mobile Sources: Rail, Ship and Airplane Emissions
- ET07 · On and Off Road Mobile Sources and Near Road Air Quality
- ET08 · Transportation: Climate Change and Resiliency
- ET09 · Transportation: Community Noise and Vibration Issues
- ET10 · Transportation: Sustainability and Health - Issues and Concerns
- ET11 · World-Wide Trends in Vehicle/Fleet Emission Standards

EP-Program Administration

- EP01 · Air Legislation, Regulation and Policy Developments
- EP02 · Air Permitting Problems and Solutions
- EP03 · Air Permitting Requirements for PFAS and Emerging Pollutants
- EP04 · BACT Development and Implementation
- EP05 · Citizen Monitoring
- EP06 · Clean Air Act Regulatory and Policy Developments - Time for Amendments/Revisions?
- EP07 · EPA Priorities 2021 and Beyond
- EP08 · Impact of Recent Court Rulings on Clean Air Act Implementation
- EP09 · Modeling Issues in PSD/Nonattainment/Minor NSR Permitting
- EP10 · New Source Review (NSR): Issues and Recent Developments
- EP11 · Recent Court Rulings and Their Impact on Implementation of the Clean Air Act

Industry, Power Generation, Government and Indigenous Sectors

IP-Industry, Power Generation and Nanotechnology

- IP01 · Environmentally Responsible Power Plant Decommissioning
- IP02 · Hot Topics in the Chemical and Refining Industries
- IP03 · International Power Generation (Fossil, Renewable, Nuclear): Status, Policy, Regulations, Technology, etc.
- IP04 · Mineral Processing and Extraction
- IP05 · Nanomaterials: Environmental and Occupational Safety and Health and Regulatory Developments
- IP06 · Nanotechnology: Applications, Research Advances and Safety
- IP07 · Petroleum, Industry and Mining - Issues and Case Studies
- IP08 · Power Generation Industry - GHG Reduction Programs and Sustainability
- IP09 · Power Industry Technology - Innovation, Challenges, and Benefits
- IP10 · Power Plant Efficiency Improvements and Emissions Reductions through Technological Innovation
- IP11 · Power Plant Effluent Guideline and Regulation Challenges
- IP12 · Regulations Impacting the Power Generation Industry
- IP13 · Regulatory Opportunities and Challenges for the Power Generation Industry
- IP14 · Renewable Energy Impact to Grid Stability, Resilience & Reliability
- IP15 · Repowering Coal-Fired Generation
- IP16 · Unconventional Oil & Gas: Issues, Controls and Emission Calculations

GI-Government Facilities and Indigenous Environmental Affairs

- GI01 · Environmental Compliance Issues at Federal Facilities and Policy
- GI02 · Environmental Considerations in Military Procurement
- GI03 · Evaluation of Duplicative Regulations and Executive Orders 13771 and 13777 - Issues, Opportunities and Potential Efficiencies
- GI04 · Indigenous Environmental Affairs: Issues, Regulations, Projects and Case Studies
- GI05 · Meeting Sustainability Goals for Federal Facilities
- GI06 · National & Global Security Issues Related to Environmental Sustainability and Climate Change
- GI07 · Planning and Implementing Sustainability and Resiliency at Federal Facilities and the Public Sector
- GI08 · Regulatory/Compliance Cost Impacts on Modernization of National Security Facilities

Sustainability, Climate Change, Resource Conservation and Waste Management

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

- CC01 · Climate Change Data Visualization and Management
- CC02 · Climate Change Policy and Regulatory Issues
- CC03 · Climate Change Resiliency and Adaptation
- CC04 · Climate Change Risk Management
- CC05 · Comparative Regulatory Approaches: Cap and Trade versus Carbon Tax
- CC06 · Downscaling Climate Change Models
- CC07 · Environmental Justice and Climate Change
- CC08 · Financing Mechanisms for Climate Change
- CC09 · Greenhouse Gas Emissions and Reporting Programs
- CC10 · Greenhouse Gas Impacts from/on Agriculture and Wild Fires
- CC11 · Greenhouse Gas Reduction Through Sustainable Materials Management
- CC12 · Insurance Industry: Accounting for Climate Change
- CC13 · Integrated Air Pollution and Greenhouse Gas Policy
- CC14 · Lessons Learned: North American Cap and Trade Programs
- CC15 · Local Climate Change Planning and Tracking
- CC16 · Transportation Policies for Climate Change

SR-Sustainability and Resource Conservation

- SR01 · Corporate Sustainability: Plans, Programs, Ethics and Performance Tracking
- SR02 · COVID-19 Impacts on Sustainability, Resources and Material Management
- SR03 · Energy-Water-Waste Nexus
- SR04 · Green Production and Consumptions: Initiatives, Life cycle impacts and Opportunities
- SR05 · Greenhouse Gas Reduction and Decarbonization through Sustainable Materials Management
- SR06 · Organic Waste Reduction and Reuse: Innovations, Regulations and Programs
- SR07 · Plastics Waste: Economies, Innovations, and Supply Chain Management
- SR08 · Sustainability Metrics and Analytics
- SR09 · Sustainability and Resiliency Planning: Global Perspectives and Case Studies
- SR10 · Sustainable Waste/Materials Management: International Perspectives and Practices
- SR11 · State and Local Government Sustainability Initiatives and Programs
- SR12 · Zero Waste and Circular Economy: Plans, Programs, Metrics, Economics, Innovation and Climatic Benefits

WM-Waste Processing, Waste-to-Energy and Bioenergy

- WM01 · Biomass Energy: Combustion, Gasification, Liquid Biofuels, Torrefaction, and Pelletization
- WM02 · Conflicts and Gaps in Waste Management Regulations
- WM03 · Hazardous Waste Characterization, Treatment, and Reuse
- WM04 · International Perspectives on Waste Management
- WM05 · Landfills: Management, Remediation, Gas Collection and Utilization Systems
- WM06 · Processing, Treatment and Reuse of Residuals from Water Supply and Wastewater Treatment
- WM07 · Residuals Management and Re-Use: Ash, C&D, Industrial, and Waste Tires
- WM08 · Site Assessment, Site Remediation, and Vapor Intrusion
- WM09 · Solid Waste Generation, Characterization, and Collection
- WM10 · Sustainable Site Remediation and Brownfields Development, Emerging Contaminants
- WM11 · Waste-to-Energy and Waste Conversion Technologies and Systems