International Conference on Environmental Science and Technology 2020

- Call for Abstracts
- Advance Registration
- Call for Free Exhibits

Sponsored by American Academy of Sciences

Hilton Houston Hotel
Houston, Texas, USA
July 13-17, 2020

http://www.aasci.org/conference/env/2020
env-conference@aasci.org
The objective of the International Conference on Environmental Science and Technology 2020 will be to provide a major interdisciplinary forum for presenting new approaches from relevant areas of environmental science and engineering, to foster integration of the latest developments in scientific research into engineering applications, and to facilitate technology transfer from well-tested ideas into practical products, waste management, remedial processes, and ecosystem restoration. Reports on renewable energy research are especially desired. Environmental humanity and sociality such as environmental ethics, environmental law, environmental economy and environmental management are also included in the scope of the conference. Researchers, engineers, site managers, regulatory agents, decision-making officials, consultants, and vendors will all benefit from the opportunity to exchange information on recent research trends, to examine ongoing research programs, and to investigate world-wide public and regulatory acceptance of environmental protection and remediation technologies.

Environmental disturbance and pollution are complex problems worldwide. The current development of modern science and technology combined with management on social and economic activities are contributing more and more to solution of the problems. Although considerable environmental protection work has been and is presently being conducted, a multidisciplinary platform for environmental scientists, engineers, management professionals and governmental officials to discuss the latest developments in environmental research and applications will be very helpful for protecting our global village.

The Conference Chair is Professor George A. Sorial of University of Cincinnati, Ohio, USA. Sponsors and the participating partners of the conference will include governmental, academic, and private organizations that are international leaders in environmental research and technology applications.
Presentation Topics

The Conference program will be comprised of several hundred platforms and poster presentations, organized into sessions that will address a variety of disciplines and technologies as well as contaminants. The sessions will be chaired by internationally recognized leaders in environmental sciences and technologies. The following is a tentative list of sessions; the list will be revised as necessary or appropriate during the abstract review process.

01. Water Pollution and Water Quality Control

01-01 Rivers, Lakes and Estuary Systems
01-02 Watershed Management
01-03 Water Resources and Assessment
01-04 Groundwater
01-05 Non-point Sources
01-06 Wastewater Discharge Management
01-07 In-Situ Measurement and Monitoring
01-08 Drinking Water
01-09 Water Quality Assessment/Management
01-10 Nitrogen-Phosphorus Wastewater Treatment
01-11 Sludge Treatment
01-12 Municipal Wastewater Treatment
01-13 Industrial Wastewater Biotreatment
01-14 Adsorption/Desorption for Wastewater Treatment
01-15 Physico-chemical Wastewater Treatment
01-16 Reactions and Degradation of Wastewater Contaminants
01-17 Nanotechnology Applications
01-18 Other Topics

02. Air Pollution and Air Quality Control

02-01 Aerosol
02-02 Air Quality Assessment
02-03 Transport of Air Pollutants
02-04 Waste Gas Control Techniques
02-05 Air Pollutant Monitoring
02-06 Hazardous Gas Biofiltration
02-07 Catalysts for Reducing Emission
02-08 Fuel Gas DeSOx, DeNOx, and Metal Removal
02-09 Air Pollution Prevention and Management
02-10 Noise
02-11 Other Topics

03. Land (Soil, Solid Waste) Pollution and Remediation

03-01 Contaminants in the Subsurface
03-02 Natural Attenuation of Contaminants
03-03 In-Situ Remediation
03-04 Solid Waste Management
03-05 On-site and Off-site Remediation
03-06 Landfill
03-07 Permeable Reactive Barriers
03-08 Waste Fuel Site Remediation
03-09 Waste Recycling
03-10 Radioactive Waste and Land Pollution
03-11 Phytoremediation of Organic Pollutants
03-12 Polymer Waste Recycling and Management

04. Ecosystem Assessment and Restoration

04-1 Ecosystem Assessment
04-2 Nutrients and Functions of Ecosystems
04-3 Restoration of Ecosystems
04-4 Urban Ecosystems
04-5 Other Topics

05. Bio-Assessment and Toxicology

05-1 Human Exposure
05-2 Bio-response and Ecotoxicology
05-3 Bioavailability and Bio-accumulation
05-4 Microbiology and Microbial Degradation
05-5 Other Topics

06. Wetlands

06-1 Wetland Conservation
06-2 Wetlands for Wastewater Treatment
06-3 Other Topics

07. Sediments

07-1 Assessment of Sediments
07-2 Remediation of Contaminated Sediments
07-3 Other Topics

08. Global Change

08-1 Global Warming and its Impacts
08-2 Carbon Discharge Reduction
08-3 Other Topics

09. Metals

09-1 Metal Distribution
09-2 Metal Removal and Remediation
09-3 Speciation, Bioavailability and Accumulation
10. Chlorinated and Other Persistent Organic Compounds

10-1 Characterization of Organic Pollutants
10-2 Degradation of Persistent Organic Pollutants
10-3 Other Topics

11. Modeling

11-1 Environmental Simulation
11-2 Water Quality Modeling
11-3 Inverse Model and Pollution Estimation
11-4 Other Topics

12. GIS, Database, and Remote Sensing

12-1 GIS for Environmental Assessment
12-2 Data Management and Statistics
12-3 Environmental Remote Sensing Applications
12-4 Other Topics

13. Environmental Analysis and Measurements

13-1 Environmental Analysis
13-2 Field Measurement Technologies
13-3 New Method Applications
13-4 Environmental Monitoring
13-5 Other Topics

14. Society and the Environment

14-1 Society and the Environment
14-2 Environmental Ethics and Laws
14-3 Environmental Education
14-4 Other Topics

15. Sustainable Development and Environmental Management

15-1 Environmental Quality and Planning
15-2 Sustainable Development
15-3 Environmental Policy and Management
15-4 Other Topics

Abstract Submission

Abstracts are to be prepared and submitted electronically according to the instructions given below. The deadline for abstraction admission is February 29, 2020.

**Content.** The abstract should provide a brief summary of the research including: introduction, objectives, methods, results and conclusions. Case studies with novel approaches are especially desired.

**Format.** Abstracts (written in English) cannot exceed one page and must be prepared using standard PC-based MS Word software. Use an 11-point serif font (e.g. Times New Roman) and leave 1-inch (2.5-cm) margins left, right, top, and bottom. Center the title (maximum 20 words, title case, bold type) at the top of the page. Leave a blank line before beginning the author list, which also is centered. If several authors are from one organization, the organization need be typed only once. After each author or group of authors, use parentheses to enclose their affiliation – institution, city, state/province (if applicable) and country. Bold and italicize the name of the presenting author. Leave a blank line after the authors and then begin the text, typing it single-spaced and justifying only the left margin. Leave one blank line between paragraphs; do not indent paragraphs. Authors can download an example from the Conference web site at [http://www.aasci.org/conference/env/doc/abstract-example.pdf](http://www.aasci.org/conference/env/doc/abstract-example.pdf).

**Submission and Cover Note.** Abstracts are submitted electronically via e-mail. Send the abstract to env-abstract@AASci.org. Receipt of the abstract will be acknowledged by e-mail. When submitting, include the necessary submittal data in a separate cover note, organized under the following format:

1. **Title:** Title of abstract should not exceed 20 words.
2. **Presenter and Address:** Presenting author is the person expected to make the presentation at the Conference. Include all contact information (delivery address) – Name, highest degree, academic employment title, department, institution, street number and name, city, state/province, zip/postal code, country, telephone number, fax number, and e-mail address. The address should be accurate for International delivery.
3. **Author List:** List full names of all coauthors and contact information – all the same as the presenting author. Indicate who is the corresponding author of the paper/abstract.
4. **Presentation Preference:** Indicate whether the author prefers a platform (oral) or a poster presentation. Refer to the suggested presentation topics in
the list and select one to three sessions (e.g., 03-3, 09-2, 09-3).

**Review.** Abstract received will be reviewed. The Scientific/Technical Program Committee will consider authors' suggestions as to session and format (platform or poster), but the final decision will be based on overall design of the Conference program.

**Notification of Acceptance.** The Committee's decision on each abstract will be mailed to the presenting author. If the abstract was accepted, this letter will state the platform or poster session to which the abstract has been assigned and will provide instructions to prepare the presentation. Authors living in some countries need more time for Visa applications are encouraged to submit as soon as possible, and will be notified earlier (in 2019).

**Proceedings.** The proceedings will be published after the Conference. Manuscripts will be invited for all abstracts accepted for platform or poster presentation; the submittal deadline will be September 30, 2020. Submission of the full papers is encouraged but not necessary for the attendance. Full papers which receive high scores in the review process will be selected for publication in several peer reviewed journals. Later submission of papers with high quality is also considered for review and publication in the journals.

**Paper Awards**

**Student Paper Award.** The first author of the paper must be a full-time student when the paper is submitted for the student paper competition. The submittal deadline will be June 13, 2020. Winning papers will be selected in July, 2020 and will be recognized during the Conference.

**Young Scientist Paper Award.** The first author of the paper must be a young scientist under 40 (born after 1/1/1979) when the paper is submitted for the Young Scientist Paper Award competition. The submittal deadline will be June 13, 2020. Winning papers will be selected in July, 2020 and will be recognized during the Conference.

**Conference Paper Award.** Outstanding papers will be selected for the Excellent Paper Award. The submittal deadline will be June 13, 2020. Winning papers will be selected in July, 2020 and will be recognized during the Conference.

**Poster Award.** Outstanding posters will be selected for the Poster Award during the poster presentations. Winning posters will be recognized during the Conference.

**Call for Exhibits (Free)**
Institutions that conduct environmental-related activities or supply equipment used in environmental work are invited to exhibit at the Conference. Exhibits will be displayed throughout the Conference in a large area adjacent to the platform and poster areas. Exhibitors will have the opportunity to present information to a large, focused audience of up to 1,500 people who acquire and use environmental research/management products and/or services at industrial and government sites around the world. The cost for a 10-ft by 10-ft booth and standard furnishings is free. For exhibitor information and an application form, send an e-mail to exhibit@AASci.org. Exhibit space is limited and will be assigned on a first-come/first-served basis.

**Advance Registration**

The Conference encourages you to register early - registrations will be limited to the number that the facility can accommodate efficiently. Anyone who is interested in the conference is welcome to register regardless of submitting a presentation abstract. To register, go to [http://www.AASci.org/conference/env/2020/registration1.html](http://www.AASci.org/conference/env/2020/registration1.html) and register online or download/print a form ([http://www.aasci.org/conference/env/2020/registrationform.pdf](http://www.aasci.org/conference/env/2020/registrationform.pdf)) for registration by mail or fax. Registration fees are as follows:

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<tr>
<td>Full Time Student</td>
<td>US$430</td>
<td>US$450</td>
<td>US$470</td>
<td>US$490</td>
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The registration fee covers admission to all platform and poster sessions, exhibits, receptions, and refreshment breaks. Registration materials will include the final program and a set of abstracts. Each full-program registrant will receive a set of the proceedings, which will be published by a press and mailed after the Conference.

Payment can be made by American Express, MasterCard, or Visa. Cash, wire transfer and money orders are also accepted. You should contact us first if you use wire transfer. Checks should be drawn on a U.S. bank, payable in U.S. funds to "American Academy of Sciences" and referencing "Environmental Conference". The postal address is "ATTN: Environmental Conference, American Academy of Sciences, 9720 Town Park Dr. Ste 18, Houston, TX 77036, USA". Cancellations received by May 31, 2020, will be refunded. No refunds will be made after May 31, 2020, but paid no-shows will receive proceedings covered by their registration fees. Substitutions will be accepted at any time, preferably with advance notice.
Because registration fees are the major source of funding for the Conference and a significant percentage of the registrants will make presentations, all presenting authors and session chairs are expected to register and pay the standard fees.

**Meeting Site/ Accommodations/Travel**

**Conference Headquarters/Accommodations.** The Conference will be held at the Hilton Houston North Hotel (12400 Greenspoint Drive, Houston, Texas 77060, USA) in Houston. Time will be allowed within the program’s schedule to take advantage of the scenic locale, and optional pre- and post-conference activities will be available for conference delegates and their companions. Rooms at the hotel sell out months ahead. Therefore, the Conference secretariat has reserved the largest possible block of sleeping rooms at the Hilton Houston North Hotel. It is impossible to guarantee that rooms will be available for late registrants. It is extremely important that you make your hotel reservation as soon as you know that you likely to attend the Conference. Conference registrants can reserve rooms at the Hilton Houston North Hotel at the reduced group rate of $107/night plus tax.

Comparable discounts in rates for suits are available. These rates are good through June 22, 2020, unless the block sells out before that date. If an attendee prefers to share a double-beds room with another attendee, please contact the Conference Secretariat at env-conference@AASci.org. The hotel will begin taking reservations on January 1, 2020. To reserve a room at the Hilton Houston North Hotel, call the Hilton’s Global Reservations Center at 1-281-875-2222. To qualify for the group rate, mention that you are attending the “International Environmental Conference” with the group code “AASC”. Attendees can access the website at http://www.hilton.com/en/hi/groups/personalized/H/HOUGPHF-AASC-20180624/index.html?WT.mc_id=FOG and follow the instructions to make an online reservation. The group code (or special code) is AASC”. A direct link to the reservations has been set up at our website (http://www.aasci.org/conference/env/2020/hotel.html). US Government attendees will have to call the hotel to receive the government per diem rates. If you have any questions on the reservations, please send email to reservations@Hiltonhouston.com, or env-conference@AASci.org for reservation help.

**Travel.** It is 7.5 miles (12 KM) from the George Bush Intercontinental Airport Houston (IAH) to the Hilton Houston North Hotel. The hotel has own shuttles for transport from the hotel and the airport.

**Internet Access.** Internet access will be free for conference attendees. It will help the attendees to keep contacts with their families and affiliation during the
conference, and check travel/weather information before departure.

**Conference/Social Activities.** Conference/Social Activities will potentially include city tours, NASA Johnson Space Center visit, a trip to an area research lab, and/or a field project visit. Detailed activity information will be posted on the conference web site as it is determined.

**Inquiries**

Questions on abstract submission and review:
E-mail: env-abstract@AASci.org

Exhibits: E-mail: exhibit@AASci.org
Registration: E-mail: registration@AASci.org
Other questions: E-mail: env-conference@AASci.org
Or EST2020@AASci.org

Always check updated information online at:
http://www.aasci.org/conference/env/2020

Regular Mail:
Attn: Environmental Conference 2020
American Academy of Sciences
9720 Town Park Dr. Ste 18
Houston, TX 77036, USA

Please be sure to specify that you are inquiring about Environmental Science and Technology Conference and include your complete mailing address and phone/fax/e-mail information.

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REGISTRATION FORM
International Conference on Environmental Science and Technology (ICEST2020)
(July 13-17, 2020, Hilton Houston North Hotel, Texas, USA)

Given Name: ___________________________________
Family Name: ___________________________________
Ms. Mr. Dr., Professional Title: ____________________
Department: ____________________________________
Institution: _____________________________________
Street: _________________________________________
City: ____________________________________________
State/Province: __________________________________
Postal/Zip Code: __________
Country: ___________________
Telephone: ___________________
Fax: __________________
Email Address 1: __________________________________
Email Address 2: __________________________________

Registration Fee: (please check X)
By 3/31  By 5/31  Before 7/11  On-site
Standard: □ $720  □ $795  □ $865  □ $890
Student: □ $430  □ $450  □ $470  □ $490
Credit Card: □ Visa, □ Master

Credit Card Number: ______________________________
Expiration date (mm/yyyy): ________________________
3-digit security number (on back of card): __________
Card holder: ____________________________________

Credit Card: □ Wire transfer, □ Check (U.S. bank only), □ Money order

Bank and account information (for wire transfer)
Please send email to env-conference@aasci.org

Guest Room Reservations: (please check)
Conference nights: □ 7/13 - 7/17 ($689)
Additional nights: □ 7/10; □ 7/11; □ 7/12; □ 7/18; □ 7/19; □ 7/20

It is important that each attendee contacts the hotel at least
21 days prior to your arrival date, or June 22, 2020. Please
contact the hotel directly, or send your information to us for
the reservations. If you decide to reserve via us, the total
fund can be calculated as follows:
($137.80 x night number) = $ ___________.

A more detailed reservation form can be downloaded from

Mail this Form to: Environmental Conference 2020
American Academy of Sciences
9720 Town Park Dr. Ste 18
Houston, TX 77036
Or Fax: 713-776-9767; Email: env-conference@AASci.org
Abstract or Other Reference Number (Optional): ______