

Eleventh International Conference on the Remediation
and Management of Contaminated Sediments

CALL FOR ABSTRACTS

January 25-28, 2021 | Nashville, Tennessee

Abstracts due June 30, 2020

battelle.org/sedimentscon
#BattelleSediments21

BATTELLE



The Eleventh International Conference on Remediation and Management of Contaminated Sediments will be held January 25-28, 2021, in Nashville, Tennessee, at the Omni Nashville Hotel (250 5th Ave. S., Nashville, TN 37203). Battelle has organized and presented this premier international technical conference since 2001.

The 2019 Sediments Conference was attended by more than 1,200 environmental professionals from 21 countries. A comprehensive technical program was conducted with nearly 500 platform talks and posters presented in 44 breakout sessions and 4 panel discussions. Battelle was also pleased to host more than 75 exhibitors over the length of the program.

The 2021 Conference will be designed for and presented by scientists, engineers, regulators, remediation site owners, constructors, and other environmental professionals representing universities, government agencies, consultants, and R&D and service firms from around the world. It will be a forum for sharing research results, practical experiences, and opportunities associated with investigating, remediating, and restoring the environmental and economic vitality of waterways. Managing these aquatic systems requires complex actions that affect a diverse group of stakeholders and touch a wide range of environmental, economic, political, and social issues.

Sponsors and Exhibitors are public- and private-sector organizations active in environmental assessment, remediation, and management.

Conference Overview

Short courses will be offered on Monday, January 25, 2021. The Plenary Session will convene Monday evening, after which the Welcome Reception and Exhibit Hall will open. The technical program will be conducted Tuesday, January 26, through Thursday, January 28, with platform talks and panel discussions during the day and poster receptions Tuesday and Wednesday evenings. A student paper competition will be conducted, and networking and career development opportunities will be provided for students during the Conference.

We hope you will submit an abstract to be considered for the program. **Abstracts are due June 30, 2020.** The program will be developed based on the abstract review conducted by the Program Committee and the Session Chairs.

The platform and poster sessions will be organized around the following major themes:

- Characterization, Assessment, and Monitoring
- Environmental Processes and Modeling
- Management Approaches and Policy
- Remediation and Restoration Planning
- Remedy and Restoration Implementation

See page 4 for the anticipated scope of the technical program and page 5 for information on preparing and submitting an abstract.

The Conference is Organized and Presented by Battelle

Battelle's environmental engineers, scientists and professionals offer focused expertise to government and industrial clients in the U.S. and abroad. Combining sound science and engineering solutions with creative management strategies, Battelle works with clients to develop innovative, sustainable and cost-effective solutions to complex problems in site characterization, assessment, monitoring, remediation, restoration, and management.

Every day, the people of Battelle apply science and technology to solving what matters most. At major technology centers and national laboratories around the world, Battelle conducts research and development, designs and manufactures products and delivers critical services for government and commercial customers. Headquartered in Columbus, Ohio, since its founding in 1929, Battelle serves the national security, health and life sciences and energy and environmental industries.

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Conference Sponsors

The following organizations have made financial contributions toward the general costs of planning and conducting the Conference.



Sponsorship Opportunities

For information about sponsoring specific Conference events, see the **Conference Sponsors & Exhibitors** page.

Technical Program Scope

Examples of anticipated presentation topics are listed below. The list is numbered to provide an easy means of referencing these topics on your abstract submittal form; see the “Submittal” paragraph on page 5.

This is not a list of sessions, nor is it a comprehensive list of topics. Abstracts are welcome on all relevant topics.

Characterization, Assessment, and Monitoring

- 1a. Characterization and Remediation of PFAS-Contaminated Sediments
- 1b. Chemical/Toxicological/Biological Measurements and Monitoring
- 1c. Contaminant Forensics
- 1d. Ecological and Human-Health Risk Assessment
- 1e. Field Sampling Methods and Techniques
- 1f. Innovative Characterization and Assessment Approaches
- 1g. Innovative Characterization and Assessment Tools
- 1h. Long-Term Monitoring Strategies
- 1i. Micro- and Nanomaterials and other Emerging Contaminants
- 1j. Passive Samplers
- 1k. Source ID, Loading Assessment, and Control

Environmental Processes and Modeling

- 2a. Contaminant Bioavailability and Uptake
- 2b. Contaminant Fate and Transport in Sediments
- 2c. Ebullition
- 2d. Food Web Models
- 2e. Geospatial Data Evaluation and Data Visualization

- 2f. Groundwater/Sediment/Surface Water Interactions

- 2g. Hydrodynamics and Sediment Transport

Management Approaches and Policy

- 3a. Adaptive Management Approaches
- 3b. Climate Change, Coastal Adaptation, and Resiliency
- 3c. Communication and Facilitation with Stakeholders
- 3d. Establishing Remediation Goals
- 3e. Great Lakes Legacy Act Successes and Challenges
- 3f. Integrating Waterfront Redevelopment (Brownfields)
- 3g. International Approaches for Site Identification and Cleanup
- 3h. International Experiences in Contaminated Sediment Remediation
- 3i. NAPL and MGP Sites
- 3j. Remedy Cost Allocation Considerations and Alternative Financial Models
- 3k. Restoration and Revitalization Strategies
- 3l. Sediment Management under State-Led Programs
- 3m. Site Management Decision Strategies

Remediation and Restoration Planning

- 4a. Beneficial Use of Contaminated Sediments
- 4b. Cap Design and Modeling
- 4c. Dredging, Dredged Material Dewatering, and Disposal Design
- 4d. Evaluating Sustainability
- 4e. Innovation and Improvement in the Design Process
- 4f. MNR and Enhanced MNR
- 4g. Understanding Chemistry of In Situ Treatment Amendments

Remedy and Restoration Implementation

- 5a. Cap Construction and Operation
- 5b. Dredged Material Dewatering and Disposal
- 5c. Dredging Design and Operations
- 5d. Field-Scale Application of In Situ Treatment Technologies
- 5e. Habitat Mitigation and Restoration
- 5f. In Situ Stabilization
- 5g. Lessons Learned in Remedy Implementation
- 5h. Monitoring and Evaluating Remedy Effectiveness
- 5i. Remediation of Ports, Harbors, and Urban Waterways
- 5j. Sediment Bioremediation
- 5k. Successfully Combining Remedies

Site- or Regional-Specific Session Interest

The Program Committee is soliciting interest in developing site- and/or regional-specific sessions. Please contact sedimentscon@battelle.org with specific interest.

Program Committee

Conference Chairs

Lisa Lefkovitz, PMP (Battelle)

Pam Rodgers (Battelle)

Technical Steering Committee

Katherine Cronin (Deltares)

Anne Fitzpatrick, LHG (Geosyntec Consultants)

Steve Garbaciak (Foth)

Eliza M. Kaltenberg, PhD (Battelle)

David W. Moore, PhD (USACE ERDC,
Center For Emerging Contaminants)

Steven Nadeau (Sediment Management Work
Group/Honigman LLP)

Philip Nenninger, LG (U.S. Navy)

Karl Rockne (NSF/University of Illinois)

Michael Sivak (EPA Region 2)

Philip Spadaro (TIG Environmental)

Andrew A. Timmis (J.F. Brennan Company, Inc.)

James Wands, PE (HDR)

Patricia White, PG (Jacobs)

Abstract Preparation and Submittal

Abstracts are due June 30, 2020.

The program will be developed through a multilevel review by the Program Committee and the session chairs, beginning in July 2020. **To ensure full opportunity for placement in the program, abstracts should be submitted no later than June 30, 2020.** Because more than 600 abstracts are expected, abstracts must be well-written, clearly and concisely outlining the material being proposed for presentation. Abstracts with a pronounced commercial slant will not be accepted. Abstracts must convey the information reviewers will need to assess the scope of the work and the data likely to be available at the time of the presentation, determine its relevance, compare it with other proposed presentations, and, if accepted for the program, assign it to an appropriate session.

Format, Content & Required Subheadings. Abstracts must be in English and cannot exceed one standard-size page. Format requirements and an example abstract are available on the **Abstract Specifications and Submittal** page.

NOTE: Abstracts must be organized under the following required subheadings—**Background/Objectives, Approach/ Activities, and Results/Lessons Learned.**

Submittal. Abstracts are to be submitted online only via the link on the **Abstract Specifications and Submittal** page.

Abstracts submitted by email will not be accepted or reviewed. The submittal form will require complete contact information (postal mailing address, phone number, and email) for the corresponding/presenting author and for all co-authors.

Session placement suggestions and format preference (platform or poster) may be entered on the submittal form. However, final placement and format preference cannot be guaranteed. Final decisions on placement and format will be based on the best overall design of the Conference program.

Notification of Acceptance/Placement. In October 2020, the corresponding/presenting author of each abstract will be notified by email of the placement decision. If the abstract was accepted, this email will state the session and format (platform or poster) to which it was assigned and provide information on preparing the presentation and submitting an updated abstract shortly before the Conference.

Inquiries. Questions about abstract preparation and submittal should be addressed to **sedimentscon@battelle.org**.

No financial assistance is available to support registration or other costs of attending the Conference. All presenting authors and session chairs are expected to register and pay the applicable technical-program registration fees.

This policy is necessary because registration fees are the major source of funding for the Conference and a significant percentage of registrants will make presentations or chair sessions.



Student Participation

Student papers are due September 30, 2020.

Students are encouraged to attend the Conference and will find their participation valuable to their career development. In addition to the technical information gained by attending presentations and visiting exhibits, students will be able to meet and talk with environmental professionals representing a wide range of work experience and employers.

Reduced Registration Rate. The student rate is approximately half the university rate and provides full access to all technical sessions, exhibits and meals. Full-time students are eligible; documentation of current enrollment is required.

Student Paper Competition. Papers may be submitted on any topic relevant to the overall technical scope of the Conference and will be reviewed for originality of the research, clarity of data presentation, and discussion of results. An individual may submit only one paper, and winners of student paper competitions at past Battelle conferences are not eligible. The primary author must (a) be a full-time student at the time the paper is submitted and (b) give the corresponding poster or platform presentation at the Conference. The primary author of each winning paper will receive a complimentary, nontransferable registration and a cash award, which will provide substantial assistance with travel and hotel costs. Participants will be informed of the results by November 30, 2020.

Students who wish to present their work at the Conference, whether they win the competition or not, should submit abstracts by the June 30, 2020, abstract due date.

They may then submit their competition papers by the September 30, 2020, student paper due date. Student papers should not exceed 10 pages (including figures, tables, and references). Detailed specifications and submittal information will be available on the **Student Participation** page by July 31, 2020.

Student Event Sponsors. Information about becoming a corporate sponsor for the student paper competition and other student events can be found on the **Conference Sponsors & Exhibitors** page.

Student Event Sponsors



Short Course Proposals

Proposals are due July 13, 2020.

Courses on topics within the general scope of the Conference will be offered on Monday, January 25, the day before the technical program begins. See the **Short Course** page for details on proposal content and submittal instructions.

Proposals will be evaluated, and the point-of-contact will be notified of the results by August 31, 2020. The point-of-contact for accepted courses will receive information about scheduling and how course registrations will be handled. Course descriptions will be posted on the website in October 2020.

Inquiries. Questions about course proposals should be addressed to sedimentscon@battelle.org.

Exhibits

Exhibit space will open for general sale on July 20, 2020.

Organizations that provide sediment assessment, remediation, and management services and products are invited to exhibit. Exhibitors will have the opportunity to present information to a focused audience of more than 1,000 people who acquire and use environmental management products and services at industrial and government sites around the world. Breakfast, lunch, breaks, reception service, seating, and poster boards will be located near the exhibit area.

Closing Reception Sponsor



Booth Selection. Conference sponsors will be contacted in early July, before general sales open, to select their booth spaces. Exhibits will open for general sale July 20, 2020. The **Sponsors and Exhibitors** page will contain links to the Exhibitor terms and conditions, the application form, and the floor plan showing available spaces.

Exhibit Fee and Payment. The fee for an 8-ft x 10-ft booth is \$3,195 if payment is made by October 16, 2020, and \$3,395 if paid later. Space will be assigned on a first-come, first-served basis, according to receipt of completed application and payment. The Exhibitor website will include additional details and **Exhibitor** terms and conditions by June 1, 2020.

Internet Café Sponsor



Inquiries. Please contact Susie Warner (The Scientific Consulting Group, Inc.) at 301.670.4990, or send an email to **sediments2021@scgcorp.com**.

Learning Lab Proposals

Learning Lab Proposals are due August 31, 2020.

Generate exposure, demonstrate use, or solicit feedback for a technology, software, prototype, or tool in a 25-minute, hands-on demonstration, or user experience, in the Learning Lab, located in the Exhibit Hall. If selected, there is no additional fee to participate. Selection decisions will be based on the best overall design of the Conference program.

The link to the online **Learning Lab Proposal Form** can be found on the Conference website on the **Learning Lab** page.

Learning Lab Sponsor



Registration

By August 3, 2020, a link to online registration will be available on the **Registration** page. Exhibit booth staff will be registered by their exhibit managers. Short course registration information will be added to the website in October 2020.

The following technical program registration fees cover admission to all platform and poster sessions, exhibits, group lunches, receptions, and daily continental breakfasts and refreshment breaks.

	Paid by Nov. 2, 2020	Paid after Nov. 2, 2020
Industry	\$975	\$1,050
Govt/Univ*	\$850	\$950
Student**	\$450	\$500

* The university fee applies to full-time faculty and other teaching and research staff, including post-doctoral students.
 ** The student fee is reserved for full-time students through PhD candidates whose fees will be paid by their universities or who will not be reimbursed for out-of-pocket payment. Documentation of current enrollment is required.

Registration terms and conditions are subject to change without notice and are applicable to all levels of registration, including booth staff and Sponsor/Exhibitor discounted registrants. No one under 18 years of age will be admitted to any Conference event unless registered as a student, valid student ID required at check-in.

Payment. Payment is required to confirm registration and registration discounts apply only to payments received by the specified dates. Checks will be accepted for registrations made through December 11, 2020. Beginning December 12, 2020, payment can only be made by major credit card. Purchase orders will not be accepted. Fees are not transferable to other Battelle Conferences. Conference information meant for attendees only (e.g., links to mobile apps, abstracts, and registration lists) will be sent only to individuals that have paid in full.

Conference Venue & Hotel

The Conference will be held at the Omni Nashville Hotel (250 5th Ave S., Nashville, TN 37203). Information on room rates and reservation options will be available on the **Venue: Hotel and City** page in July 2020.

The Omni is a luxury hotel located in the center of downtown Nashville. The adjacent Country Music Hall of Fame® and Museum is accessible from inside the hotel. Guests will enjoy sophisticated and authentic accommodations with a nod to Nashville musical roots.

Conference Room Block. A room block has been set aside at the Omni Nashville for Conference attendees. The rates below are in effect for reservations made by December 30, 2020, unless rooms in the block sell out before that date.

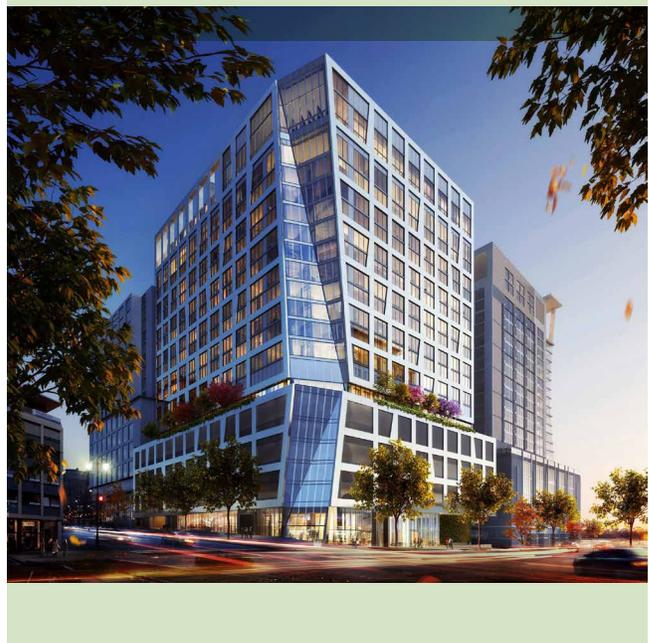
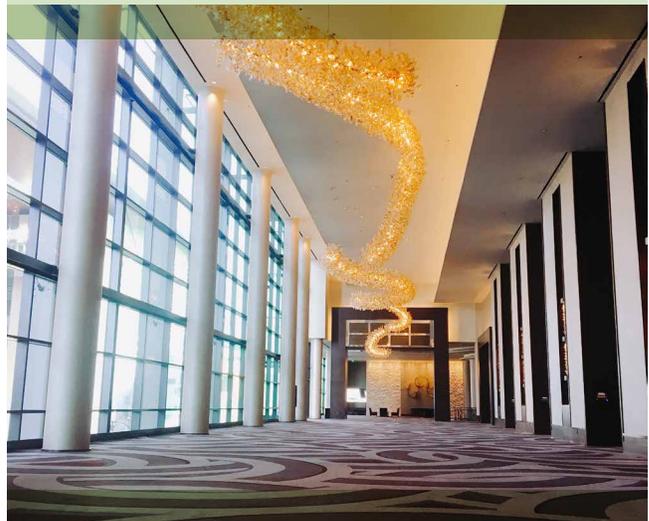
The group rate at the Omni is \$292 per night (single/double) plus applicable taxes, fees, and assessments. Subject to availability of rooms at the time reservations are made, the Conference group rate can be used for check-in at the Omni as early as Friday, January 22, and check-out as late as Sunday, January 31.

The Sediments Conference has a group rate agreement with only the Omni Nashville.

We have not partnered with any travel agency or third-party for travel/hotel discounts. If you receive a call or an email offering assistance in making hotel reservations or changing existing reservations, we advise caution. The Conference has no agreement with any organization to contact participants and offer reservation assistance, nor have we provided attendee contact information to anyone for that purpose.

Please use only the reservation links provided on the “Venue: Hotel and City” page on the Conference website (available in July 2020) to make hotel reservations.

Local Transportation. Transportation between the Omni Nashville and the Nashville International Airport (BNA) by taxi is approximately \$25. Shared-ride service is available for approximately \$20/person, one-way.



Nashville

There's never a shortage of inspiring things to do in Music City. With music, culture, the arts, food, sports and shopping, there is an “only in Nashville” experience waiting just for you!

If music is your passion, then Nashville, where country, bluegrass, rock, pop, Americana, gospel, classical, jazz and blues converge, is the place to indulge. The Nashville nightlife is a non-stop mover-and-shakers paradise. Visit the Honkey Tonk Highway, located on lower Broadway, where music is playing daily from 10:00 a.m.-3:00 a.m. and all the bands play for tips. This row of honkey tonks doesn't have a cover charge so you can enjoy all the music for free. Many a music legend has gotten their start on those same live stages so you never know who you might see here—they might be the next big thing!

Pay homage to the music of the past by visiting the Country Music Hall of Fame and Museum, connected to the Conference key hotel, the Omni Nashville. Choose from several other music-themed attractions, from backstage tours of iconic music venues like the Grand Ole Opry, Ryman Auditorium, or Historic RCA Studio B, or a bus tour where you can be serenaded by a local musician. Don't miss a stroll down the Music City Walk of Fame while you're in town!

If the Arts are more your scene, you'll have no shortage of museums, public art, street art, murals, and performing arts to soak in. Visit the Parthenon in Centennial Park, home to the city's art collection, the world's only full-scale

reproduction of the famous Greek temple. Frist Art Museum, the heart of the Nashville art-scene, offers a wide variety of exhibitions. With more than 75 other galleries to choose from, you're sure to find something that speaks to you.

Nashville is a foodie's paradise with options that span the range from hot dogs, BBQ, and hot chicken to Asian, traditional-to-modern American, authentic Mexican, and quintessentially southern meat & three cuisine. Beer, wine, and spirits connoisseurs won't be disappointed with a wide selection of breweries, wineries, and distilleries to choose from.

Nashville is home to four professional sports teams and multiple NCAA Division I universities so make time for a home game. There are plenty of ways to stay healthy and active while you're away with indoor and outdoor activities galore. Drop-in to a local yoga class, sign up for a running tour, or bike the greenway. Enjoy the beauty of nature at the nearby Cumberland River, go spelunking in Cumberland Caverns, or take a treetop zipline tour. Find more information about things to see and do at visitmusiccity.com.

Inquiries

Sediments Conference Office

sedimentscon@battelle.org

Conference sponsorship, exhibits, and registration:

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