



SEDHYD 2019

Federal Interagency Sedimentation and Hydrologic Modeling Conference

11th Sedimentation Conference and 6th Hydrologic Modeling Conference

Hosted by SEDHYD, INC.

June 24–28, 2019

Peppermill Hotel, Reno, Nevada, USA

CALL FOR PAPERS

Abstract due date: September 1, 2018

Conference organizers invite abstract submissions for technical papers, presentations, posters, computer model demonstrations and short courses.

Please note the following dates:

- Notification of abstracts acceptance by October 15, 2018.
- Draft papers due December 15, 2018.
- Final papers due April 25, 2019.

Instructions for submitting abstracts and formatting and submitting papers available on the conference website: <https://www.sedhyd.org/2019/>

We welcome Exhibitors!

CONFERENCE THEME:

Improving Resiliency and Sustainability of Watershed Resources and Infrastructure

SESSION TOPICS: Conference planners anticipate 280 papers, and 50 posters and computer model demonstrations. Papers should address results of recent research, technology development, or applications and case studies on the following proposed subject areas.

SEDIMENTATION TOPICS

- Climate Variability and Sediment
- Dam Removal or Rehabilitation
- Fluvial Geomorphology
- Gully Erosion
- Hydraulic and Sediment Transport Modeling
- Infrastructure in the Stream Environment
- Physical Sediment Load Measurements
- Regional Sediment Management
- Remote Sensing and Monitoring
- Reservoir Sedimentation and Sustainability
- Sediment Impacts on Wildlife and Habitat
- Sediment Properties
- Sediment Surrogate Measurements
- Sediment Yield and Fingerprinting
- Stream Restoration

HYDROLOGIC MODELING TOPICS

- Earthen Embankment Erosion Prediction
- Extreme Floods and Droughts
- Flood Hydrology
- Forecasting
- Hydroecological Modeling
- Infrastructure Vulnerability
- Management and Decision Making Models
- Modeling of Major River Systems
- Non-Stationary Climate Variability
- Post Fire Analyses and Restoration
- Remote Sensing and Monitoring
- Restoring & Sustaining River Environments
- Watershed Management
- Water Quality

Other topics or special sessions may be proposed.

Please contact Chandra Pathak at chandra.s.pathak@usace.army.mil if you are interested in becoming a session moderator or would like to propose a special session.

Please use SEDHYD in the subject line of the email

FIELD TRIPS and SHORT COURSES offered both before and after the conference.

Please submit full-day or half-day short course proposals to Jeff Bradley at jeffbradley@westconsultants.com

Please submit any field trip proposals to Steven Berris at snberris@usgs.gov

BACKGROUND: The first Federal Interagency Sedimentation Conference (FISC) convened in 1947, and the first Federal Interagency Hydrologic Modeling Conference (FIHMC) convened in 1998. Because these two conferences had similar and overlapping content and participants, organizers combined them into a single highly successful joint conference for the first time in 2006. The second and third SEDHYD conferences followed in 2010 and 2015. As a result of all these conferences, 3,000 papers have been published through the conference proceedings, which are available at <https://acwi.gov/sos/pubs/index.html>

The SEDHYD 2019 Conference again brings together federal and non-federal scientists, engineers, and managers from various natural resources disciplines. Papers include recent accomplishments in research and technical developments in the physical, chemical, and biological aspects of sedimentation. Papers also describe the development and use of numerical models addressing issues of water quality and quantity, and sediment erosion, transport, and deposition. The conference uses mixed formats, including formal presentations, poster sessions, mini-workshops and model demonstrations. Organizers also plan a competition for the best student paper.

BECOME AN EXHIBITOR: SEDHYD 2019 provides exhibitors the opportunity to interact and meet directly with scientists, engineers, environmental specialists and researchers, working in the following areas: surface-water discharge, sediment, and water-quality data collection; recording and analysis equipment and software; laboratory equipment; erosion control products; computer hardware and software for collection, distribution, and/or analysis of hydrologic data; surveying equipment, both for ground surface and underwater use; computer models related to sedimentation and hydrology; and any other related equipment, services, or organizations, including professional societies, related to the SEDHYD theme. **Please contact Molly Wood (mwood@usgs.gov) for more information.**

WHO SHOULD ATTEND: Federal, state, and local agency personnel, consultants, researchers, equipment manufacturers, and service suppliers associated with hydrologic, hydraulic, sediment transport, or non-point source pollution modeling; and those involved in water-resources, water supply, or water-conservation assessment or management.

Author Instructions for submitting abstracts

- Authors wishing to present technical papers or posters, or participate in the computer modeling demonstration session must submit an abstract of not more than 500 words, using the abstract submission form on the SEDHYD website at <https://www.sedhyd.org/2019/>. Submit abstracts through the website only. E-mailed abstracts are not accepted. Either copy and paste, or directly type the content of your abstract into the abstract submission form. **[Our conference software that you access from the website does not allow you to upload abstracts as a separate document.]**
- If you have questions or need help, please contact either of the Technical Program Chairs: Eddy Langendoen (eddy.langendoen@ars.usda.gov) for the Sedimentation Conference, or Jim Barton (jbarton.sedhyd@gmail.com) for the Hydrologic Modeling Conference. Indicate the topic area, whether submitting an oral presentation or a poster, or if the abstract is for the computer modeling demonstration session. Preference will be given to papers and posters that address the theme of the conference.
- Deadline for uploading abstracts is **September 1, 2018**.
- Current students, and students who graduated as recently as Spring or Summer 2019, are eligible for the student paper competition. The due dates for students are the same as for others (see 1st page). Please contact Prof. Amanda Cox for more details (amanda.cox@slu.edu). In addition, travel (e.g., airfare, food, lodging) and conference registration fees may be paid for students who volunteer to become audio-visual assistants during the conference. Please contact Jeff Harris if you are interested in volunteering as an A/V assistant (jharris@westconsultants.com).
- Full instructions for formatting and preparing technical papers and posters available on the conference website.
- Authors are responsible for obtaining clearances and approvals required by their agencies and organizations prior to paper submissions.
- Conference registrants receive full conference proceedings, which include all final papers, in a digital format.
- ***Presenters must register for the conference and present their paper at the conference to be included in the proceedings.***

Conference and Exhibit Information: <https://www.sedhyd.org/2019/>

CONFERENCE	EXHIBITS	SEDIMENTATION ABSTRACTS	HYDROLOGIC MODELING ABSTRACTS
Jerry Webb SEDHYD Conference Chair 304-633-1754 JWebb.sedhyd@gmail.com	Molly Wood Exhibits Coordinator 208-387-1320 mwood@usgs.gov	Eddy Langendoen Sedimentation Program Chair 662-232-2924 eddy.langendoen@ars.usda.gov	Jim Barton , Hydrologic Modeling Program Chair 503-347-7998 jbarton.sedhyd@gmail.com