

SEDHYD 2014

Joint Conference

10th Federal Interagency Sedimentation Conference *and* 5th Federal Interagency Hydrologic Modeling Conference

March 23 – 27, 2014

Peppermill Hotel, Reno, Nevada, USA



CALL FOR PAPERS EXTENDED

Abstracts due May 15, 2013

The call for papers is extended to May 15. Abstracts already submitted and acknowledged *should not be resubmitted*. Abstracts for technical paper presentations, poster paper presentations, and hydrologic model demonstrations are still being solicited.

Please also note the following:

- The due date for papers is changed to October 1, 2013.
- Final abstracts are to be submitted as part of the final paper. Abstracts and papers will be published as part of the electronic proceedings. Full instructions will be provided to authors after July 1, 2013.

THEME: *Sustainable Water Resources in a Changing Environment*

BACKGROUND: The first Federal Interagency Sedimentation Conference (FISC) was held in 1947, and the first of the Federal Interagency Hydrologic Modeling Conferences (FIHMC) was held in 1998. Because these two conferences had similar and overlapping content and participants, they were combined, and the First Joint Federal Interagency Conference (JFIC) was held in Reno, NV, in 2006. This first joint conference was highly successful, and a second was held in Las Vegas, NV, in 2010. More than 2,500 papers have been published in the proceedings for these two conferences. The joint SEDHYD 2014 Conference will again bring together Federal and non-Federal scientists, engineers, and managers from various natural resources disciplines. Papers will include recent accomplishments and progress in research, technical developments in the physical, chemical, and biological aspects of sedimentation, and the development and use of computer models addressing issues of surface water quality and quantity, and sediment transport. The conference will consist of mixed formats including formal presentations, poster sessions, mini-workshops and model demonstrations. A competition for the best student paper is also planned.

TOPICS: Conference planners anticipate about 270 papers, 100 posters, and computer model demonstrations. Papers should incorporate results of recent research, technology development, and/or applications and case studies on the following subjects. Other Sedimentation and Hydrologic Modeling related topics of importance may be selected as well.

Subthemes	10 th FISC TOPICS	Subthemes	5 th FIHMC TOPICS
<i>Innovation in Measurement, Management, and Prediction of Sediment in Water and Watersheds</i>	Surrogates of Sediment: Acoustic, Optical, Chemical, Radiological, etc.	<i>Adaptive Management</i>	Alluvial Fans: Hydrology, Hydraulics, and Sediment Aspects
<i>Dam Removal, Dam Rehabilitation, and Stream Restoration</i>	Dam Removal /Rehabilitation Fluvial Geomorphology Gully Erosion	<i>Climate Variability and Its Impact on Water Resources Management</i>	Aquatic Ecosystem Modeling Climate Change, Variability, and Impact Environmental River Management Flood Hydrology
<i>Climate Changes that Affect Erosion and Sedimentation Processes: Local, Regional, Global</i>	Physical Measurement and Monitoring of Sediment Characteristics Regional Watershed Sediment Mgt. Remote Sensing Reservoir Sedimentation and Sustainability Sediment Impacts on Wildlife and Habitat Sediment Yield and Transport Modeling Stream Restoration Sediment Source Tracking, "Fingerprinting"	<i>Quantity and Quality of Surface Water - Groundwater Interaction</i>	GIS Technology in Water Resources Hydroecological Modeling LID Model Development Management and Decision-Making Models Modeling of Major River Systems Modeling of Water Quality Transport Restoring and Sustaining River Environments SW/GW Interaction Models Water Supply and Water Resources Innovation in Hydrologic Data Measurements
		<i>Roles of Models in Water Resources Management and Decision Making</i>	

FIELD TRIPS and SHORT COURSES are planned to be held both before and after the conference.

SEDHYD 2014: Sustainable Water Resources in a Changing Environment

- Preference will be given to papers and posters that address the theme of the conference and directly support the responsibilities and missions of the Subcommittees on Sedimentation and Hydrology of the Federal Advisory Committee on Water Information.
- Authors wishing to present papers, posters, and/or participate in the computer modeling demonstration session are requested to submit an abstract of not more than 500 words. If you wish your work to be considered for the FISC, send the abstract to Marie Garsjo (garsjosedhyd@gmail.com); for the FIHMC, send the abstract to Claudia Hoeft (claudia.hoeft@wdc.usda.gov). Abstracts are to be submitted by email (as message text only, no attached file). Please provide complete contact information, including email address.
- Deadline for receipt of abstracts is extended to May 15, 2013. Indicate the topic area; whether the paper will be presented orally or as a poster; or if it is to be part of the computer modeling demonstration session. Current students, and students who graduated as recently as Spring or Summer 2013, are eligible for the student paper competition, and their abstracts for technical paper presentations and poster presentations are still solicited, also by the due date of May 15, 2013.
- Authors will be notified of their selection and provided with format instructions for preparing technical papers and posters by July 1, 2013. Papers are due October 1, 2013.
- Authors are responsible for getting their papers cleared and approved by their agencies and organizations prior to submission. Full conference proceedings will be provided in digital format to registrants. **Presenters must register for the conference, and papers must be presented at the conference to be included in the proceedings.**

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

CONFERENCE

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EXHIBITS

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10TH FISC ABSTRACTS

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5TH FIHMC ABSTRACTS

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BECOME AN EXHIBITOR: Exhibitors are being solicited 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 theme of the Joint Conference. The Joint Conference provides exhibitors opportunities to meet directly with scientists, practicing engineers and environmental specialists, and researchers. Contact Doug Glysson (gglysson@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.

ORGANIZING COMMITTEE

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