

## SEDHYD Joint Federal Interagency Conference 2014 Student Program



Students are encouraged to submit one-page abstracts to the conference by May 15, 2013. Students will be notified of acceptance by June 15, 2013. Separate cash awards (>\$500) will be given to the best technical papers and best posters within both the FISC and FIHMC. Potential topics and subthemes for the conference are provided in the conference call for papers announcement. A final agenda with topics and subthemes will be prepared after receipt and approval of submitted abstracts for the conference.

For student paper and poster abstracts that are accepted, students will be asked to submit a technical paper (maximum of 12 pages) or a paper describing their poster and present at the conference. Winners of the paper competition will be based on technical papers. Winners of the poster competition will be based on the poster and its presentation at the conference.

A special student lunch session will be provided where students will have a chance to learn about careers in the Federal Government and to interact with industry and government leaders.

The student registration fee for the conference is substantially reduced at \$200.00.

The conference registration fee will be waived for selected students who volunteer to operate computers and projectors (audio visual assistants). Limited funds are available to assist students with travel and hotel expenses on a case by case basis, depending on need. Preference will be given to students who volunteer to serve as audio visual assistants.

### Student Contact Information

Student name:			
Sponsoring Professor:			
University:			
Contact telephone number:			
e-mail address:			
Mailing address:			
Volunteer audio/visual assistant?:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	

### Request for Financial Travel Assistance

In your request, please provide an itemized list of your financial travel assistance needs (e.g., expenses for car or airline travel, meals, hotel, other) to Amanda Cox, [amanda.cox@colostate.edu](mailto:amanda.cox@colostate.edu), 970-491-8099. Please indicate if you plan to share a ride to the conference or hotel. Please also provide a justification for your financial needs.

**Please include your one-page abstract in an e-mail message (text only, no attachments) to: Amanda Cox, [amanda.cox@colostate.edu](mailto:amanda.cox@colostate.edu). Please add “STUDENT PAPER:” or “STUDENT POSTER:” at the beginning of your paper’s title. Further, at the top of the email please specify whether the abstract is for the Federal Interagency Sedimentation Conference or the Federal Hydrologic Modeling Conference. Technical papers and posters accepted for the student competition are to be presented at the conference.**

# SEDHYD 2014

## Joint Conference

10<sup>th</sup> Federal Interagency Sedimentation Conference *and* 5<sup>th</sup> Federal Interagency Hydrologic Modeling Conference

March 23 – 27, 2014  
Peppermill Hotel, Reno, Nevada



## CALL FOR PAPERS

Abstracts due March 15, 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 <sup>th</sup> FISC TOPICS	Subthemes	5 <sup>th</sup> 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	<i>Climate Variability and Its Impact on Water Resources Management</i>	Aquatic Ecosystem Modeling
<i>Climate Changes that Affect Erosion and Sedimentation Processes: Local, Regional, Global</i>	Fluvial Geomorphology	<i>Quantity and Quality of Surface Water - Groundwater Interaction</i>	Climate Change, Variability, and Impact
	Gully Erosion	<i>Roles of Models in Water Resources Management and Decision Making</i>	Environmental River Management
	Physical Measurement and Monitoring of Sediment Characteristics		Flood Hydrology
	Regional Watershed Sediment Mgt.		GIS Technology in Water Resources
	Remote Sensing		Hydroecological Modeling
	Reservoir Sedimentation and Sustainability		LID Model Development
	Sediment Impacts on Wildlife and Habitat		Management and Decision-Making Models
	Sediment Yield and Transport Modeling		Modeling of Major River Systems
	Stream Restoration		Modeling of Water Quality Transport
	Sediment Source Tracking, "Fingerprinting"		Restoring and Sustaining River Environments
			SW/GW Interaction Models
			Water Supply and Water Resources
			Innovation in Hydrologic Data Measurements

 **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 Marshall Garsjo ([garsjosedhyd@gmail.com](mailto:garsjosedhyd@gmail.com)); for the FIHMC, send the abstract to Claudia Hoefl ([claudia.hoefl@wdc.usda.gov](mailto:claudia.hoefl@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.
- ❑ Abstracts are due by March 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.
- ❑ 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 for review by September 1, 2013.
- ❑ A notice of final acceptance of papers will be provided to authors by October 21, 2013. Final papers are due November 21, 2013.
- ❑ Authors are responsible for getting their papers cleared and approved by their agencies and organizations prior to submission. Authors will be required to sign a clearance for publication. Joint Conference abstracts will be printed and available at the conference. 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.jfic.us>

### CONFERENCE

Doug Glysson  
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### EXHIBITS

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### 10<sup>TH</sup> FISC 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](mailto: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

Doug Glysson	Joint Conference Chair	USGS (ret.), 412 National Center, Reston, VA, 20192	703/648-5019	<a href="mailto:gglysson@usgs.gov">gglysson@usgs.gov</a>
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