



# Upcoming Workshop

## **Advanced Techniques for Aquifer Test Analysis**

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September 1, 2010

Westin La Paloma Resort and Spa - Tucson, Arizona

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The Tucson Chapter of the Arizona Hydrological Society (AHS) is pleased to announce an 8-hour workshop to be presented by Glenn M. Duffield of HydroSOLVE, Inc. at the AHS Annual Symposium in Tucson, Arizona.

**Date:** September 1, 2010

**Time:** 8:00 a.m. through 5:00 p.m.

**Location:** Westin La Paloma Resort and Spa, Tucson, Arizona

**Course Fee:** \$350 for 8-hour workshop

This course addresses advanced techniques for aquifer test analysis and interpretation.

Attendees will benefit by learning derivative analysis, a powerful diagnostic tool which has received little attention from groundwater scientists in the interpretation of pumping test data, as well as the Argawal method of recovery analysis which applies the same diagnostic principles and type curves used for drawdown analysis in the interpretation of recovery data. Several hours of the workshop are devoted to hands-on exercises demonstrating these advanced methods, case histories from Arizona test data, and strategies for handling insensitive parameters and parameter correlation during estimation of aquifer properties (See attached course outline).

### **Registration**

AHS is pleased to be able to offer the workshop at a significantly reduced rate of \$350. Please visit the AHS 2010 symposium website to register.

<https://www.eventinterface.com/hydrosymposium>

You will receive a bound course notebook containing class notes. Course attendees must register by August 23 to reserve a spot in the workshop and to ensure a printed copy of course materials. Registration also includes a morning coffee and snack break and an afternoon break. Lunch will not be provided, but may be purchased from one of four restaurants/snack shops on site. Menus are available in advance upon request.

## **Registrant Requirements**

Registrants will be required to provide their own laptop computer for hands-on exercises, and to download a demonstration copy of AQTESOLV prior to the workshop for use in the hands-on exercises. Laptop computer rental may be arranged with advance notice at the resort rental fee cost. Rental fees are available upon request.

## **Fundraising for AHS**

All profits generated by the workshop will go to support the Leonard Halpenny Intern-Scholarship of the Tucson Chapter of AHS. The Intern-Scholarship is open to graduate and undergraduate students in the fields of hydrology, geology, civil, environmental and geologic engineering, renewable natural resources, wastewater management, soil and water science, and other hydrology-related studies. The award provides an opportunity to gain practical experience at multiple hydrological work environments in Tucson, and carries an annual stipend of \$3,000, which is generated through fundraising efforts such as this workshop.

## **Workshop Instructor : Glenn M. Duffield**



Glenn M. Duffield is the founder and president of HydroSOLVE, Inc., a company in Reston, Virginia, specializing in aquifer test analysis, groundwater modeling, software development and continuing education courses for groundwater professionals.

Glenn is the developer of AQTESOLV, which has been the world's leading software for the design and analysis of pumping tests, slug tests and constant head tests, since 1989.

## **Accommodations**

The workshop will be held at the beautiful Westin La Paloma Resort and Spa in Tucson, Arizona in conjunction with the AHS 2010 Annual Symposium. The resort offers a full-service spa, championship golf, pools and waterslide. Guest rooms feature dual-line speaker phones with voicemail, high-speed internet access, oversized work desk and in-room safe.

Symposium rates are \$96 per night and rooms are available 3 days prior and 3 days post the symposium. There is a discounted daily resort fee of \$9 per day. This discounted group rate is available through August 2, 2010.

Visit <https://www.eventinterface.com/hydrosymposium> to make your reservation today. Additional lodging is available throughout the city of Tucson at local hotels. No discounted rates are available through AHS for other hotels.

## Contact

Please contact Marla Odom, AHS Tucson Chapter Board Member with any questions or concerns.

### **Marla E. Odom**

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## Additional AHS Events at the Westin La Paloma



**Over 18 sessions including talks on Binational Rivers and Transboundary Aquifers, Government Response to Hydrologic Conditions, Colorado River Management, Recharge, Modeling, Hydrophilanthropy and more! Work shops and field trips are highlights of the symposium - read more and register now on the [symposium website](#)**

**Register Now / Pay by check later If you plan to pay by check, you can register today, but send your check in by August 15th and still receive the early registration benefit. We appreciate your early registration because it helps us plan the event - Thanks!**

**Added bonus - given the current economic situation, we are offering a new "Share Badge" option for your company or agency. Register one person (they become the AHS member and primary registrant). If they do not attend the whole time, another employee can borrow the badge while the primary registrant is not attending, at no extra cost.**