

## **Seminars After the MODFLOW 2017 Conference**

The MODFLOW and More 2017 Conference will be held once again this year from May 21 through May 24 at the Colorado School of Mines in Golden, Colorado. As in previous conferences, ESI will be holding two seminars after the end of the conference with our colleagues John Doherty (author of PEST) and Sorab Panday (author of MODFLOW-USG). Each seminar will be 2 days in length (Thursday May 25 & Friday May 26; and Saturday May 27 & Sunday May 28).

### **Seminar 1: Latest Technology in MODFLOW Modeling**

The first seminar on Thursday and Friday (May 25 and 26) will feature John Doherty, Sorab Panday, and James Rumbaugh. This is a unique session where each speaker has 4 presentations. The topics highlight the latest developments in their area of expertise. If you are interested in the latest technology in applied groundwater modeling, this seminar is for you.

Specific topics will include:

- MODFLOW-USG theory
- Application of MODFLOW-USG to Complex Problems
- Latest Enhancements in MODFLOW-USG (Beta Version)
- Transport and Density Dependent Flow in MODFLOW-USG
- PEST Support for MODFLOW-USG
- Introduction to PEST\_HP for High Performance Calibration & Uncertainty Analysis
- New Features in Groundwater Vistas Version 7
- Creating Triangular & Voronoi Grids in Groundwater Vistas
- Support for MODFLOW-USG New Features in Groundwater Vistas

### **Seminar 2: PEST HP and PEST Developments in Model Calibration & Uncertainty**

The second seminar on Saturday and Sunday (May 27 and 28) will be taught by John Doherty and James Rumbaugh. The weekend seminar will focus on PEST, model calibration, and uncertainty. A new version of PEST called PEST\_HP (High Performance) will be the focus of the second seminar, as well as other advancements in the PEST world.

Specific Topics Include:

- Using PEST\_HP in a Distributed Environment
- PEST\_HP as a Replacement for Beopest
- PEST\_HP and Null Space Monte Carlo
- Latest Advances in Model Calibration using the PEST Suite of Software

- Groundwater Vistas 7 Support for PEST\_HP
- New Options for Kriging in Pilot Point Calibrations

### **Cost**

Each seminar will cost \$750 or \$1,350 if you want to attend both sessions. Please note that our seminars are not part of the conference and we are limited to a maximum of about 25 attendees at each session. These seminars will both be held at the Golden Hotel, just a few blocks from Colorado School of Mines. To reserve your seat, please send us an email ([jrumbaugh@groundwatermodels.com](mailto:jrumbaugh@groundwatermodels.com)) or call us at (610) 670-3400. In the past, these seminars have been sold out well before the conference. If you are interested, please let us know as soon possible.