

Calibrating Groundwater Models with Groundwater Vistas & PEST

Webinar

February 8-19, 2010
(See Agenda for Dates & Times)

Instructor:
Jim Rumbaugh

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Location:
Your Home or Office!

Cost
Individual: \$950
Office: \$1,900

Contact Jim Rumbaugh (see above) to Register
Limited to 20 participants

Instructor Bio:

Jim Rumbaugh, hydrogeologist and groundwater modeler, has over 25 years of experience in application of groundwater models and in development of groundwater modeling software tools. He is the co-author of the Groundwater Vistas software and is President of Environmental Simulations, Inc., a company that specializes in groundwater modeling. Jim is an active member of the American Society for Testing and Materials (ASTM) where he is a past Chairman of ASTM Subcommittee D18.21 on Groundwater and Vadose Zone Investigations. Subcommittee D18.21 was funded by U.S. EPA to develop standards for groundwater modeling practice. Jim was honored by the National Ground Water Association with the 1999 John Hem Excellence in Science and Engineering Award by NGWA. This award is given to those who have made a significant, recent scientific or engineering contribution to the understanding of groundwater. Jim teaches groundwater modeling seminars throughout the USA, Europe, Australia, and New Zealand. The Australia and New Zealand seminars are co-taught with John Doherty, author of the PEST calibration software. Jim has an active consulting practice and has worked on hundreds of groundwater modeling projects throughout the world.

Registration:

To register for this seminar, simply send Jim an email at JRumbaugh@GroundwaterModels.com, give us a call at (610) 670-3400, or pay by credit card on our web site at www.groundwatermodels.com and click Online Store. Registration is not confirmed until we receive payment for the Webinar.

The course is limited to 20 attendees.

Webinar Information:

- The Webinar is divided into 6 lectures lasting between 1 and 2 hours. After each lecture, there will be computer exercises that you may work on at your own pace. Help with exercises is provided by email (support@groundwatermodels.com).
- Lectures are live but will be recorded in case you cannot attend all of them. There will be periodic question/answer sessions during the lecture. You will call into the Webinar using either VoIP (provided) or telephone.
- Computer exercises are based on the Advanced Version of ESI's Groundwater Vistas Version 5 software. If you do not currently have Groundwater Vistas 5 Advanced or if you have an older version, you may purchase a new license or upgrade with a 20% discount. You must order the software prior to the start of the Webinar to receive the discount.
- ESI reserves the right to cancel the Webinar if there are less than 6 participants
- Each lecture will start at 3:00 pm Eastern Time.
- Webinar Dates: February 8, 10, 12, 15, 17, 19

Course Description:

Calibrating Groundwater Models with Groundwater Vistas & PEST

PEST is the most advanced calibration tool for groundwater models and Groundwater Vistas supports more features and options in PEST than any other MODFLOW interface. This Webinar will cover the basics of PEST and Groundwater Vistas in calibrating models. These introductory topics will then lead into the more advanced features, including pilot points, SVD, and Null Space Monte Carlo techniques.

The following topics will be covered in the Webinar:

Lecture 1: February 8, 2010 (Monday)
Introduction to Calibration in Groundwater Vistas

Lecture 2: February 10, 2010 (Wednesday)
PEST Basics

Lecture 3: February 12, 2010 (Friday)
PEST Calibration with Pilot Points

Lecture 4: February 15, 2010 (Monday)
PEST with SVD-Assist (Singular Value Decomposition)

Lecture 5: February 17, 2010 (Wednesday)
Analyzing Uncertainty with Null Space Monte Carlo and other PEST Features

Lecture 6: February 19, 2010 (Friday)
Review and Question/Answer Session