

Getting the Most Out of Groundwater Vistas

Webinar

January 11-15, 2010
(See Agenda for Dates & Times)

Instructor:
Jim Rumbaugh

Environmental Simulations, Inc.
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Location:
Your Home or Office!

Cost
Individual: \$450
Office: \$900

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 (choose the **Mini-Webinar** in the online store). Registration is not confirmed until we receive payment for the Webinar.

Webinar Information:

- The Webinar is divided into 3 lectures lasting approximately 2 hours each.
- 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.
- Lectures are focused on ESI's Groundwater Vistas Version 5 software. If you do not currently have Groundwater Vistas 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 4:00 pm Eastern Time.
- Webinar Dates: January 11, 13, 15

Course Description:

Getting the Most Out of Groundwater Vistas is designed for experienced groundwater modelers who want a quick explanation of the features in GV. The lectures will not cover general principles of groundwater modeling. Rather, the Webinar will focus on how to create, edit, run, and analyze groundwater models in Groundwater Vistas. The following are the main topics to be covered in the Webinar:

- Starting a New Model
- Importing an existing model from GMS and Visual MODFLOW
- Interfacing Groundwater Vistas with a GIS
- Importing and Exporting Data
- New Options and Packages in MODFLOW2000 and MODFLOW2005
 - Using HUF with Groundwater Vistas
 - Computing drawdown from the results of a particular time step
 - SFR1 and SFR2 Packages for stream routing
 - Lake and Drain Return Flow Packages
 - Unsaturated Zone Flow (UZF) Package in MODFLOW2005
- Heat Transport with SEAWAT2000 Version 4
- New PEST Features
 - Adding and Editing Pilot Points
 - Singular Value Decomposition (SVD)
 - Null Space Monte Carlo
- Tips and Tricks for Analyzing & Manipulating Model Results