

#### SCHEDULE:

**M T W Th F**

#### Fall 2008

- Nov. 11, 12, 13
- Dec. 9, 10, 11

#### Winter 2009

- Jan. 20, 21, 22
- Feb. 10, 11, 12
- Mar. 10, 11, 12
- Apr. 7, 8, 9

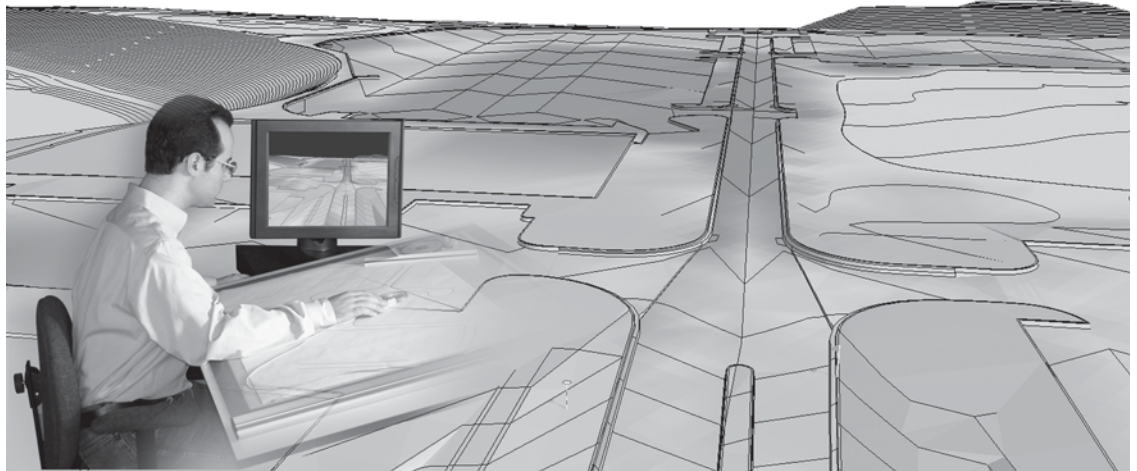
#### LOCATION:

Livermore, CA

#### COST:

\$750 per day,  
per person

- Enrollment is limited, so register early
- Lunch is provided
- Map and hotel information will be forwarded with registration confirmation



## Intensive Hands-on Instruction

### Tuesday - Earthwork 3D Digitizer Takeoff

Tuesday's takeoff class covers basic digitizer entry of original ground and proposed subgrade from plan sheets. Topics include data entry, editing, quantity analysis, and formatting of reports using Earthwork 3D. *GPS lunch: Outdoor hands-on Trackwork practice will demonstrate effective use of takeoff documentation on job sites.*

### Wednesday - GPS Modeling from CAD Files

Starting with practical tips on how best to get CAD files from engineers, Wednesday's class teaches how to use Earthwork 3D to process CAD files into accurate earthwork takeoffs and precise 3D grading models to be used with GPS grade management and machine control systems. *GPS lunch: Outdoor hands-on GPS gradesetting and machine control practice will demonstrate effective use of 3D models on site jobs.*

### Thursday - Material Takeoffs and Highway Jobs

Thursday's class covers material takeoffs and creating highway takeoffs and 3D models. You will learn how to use Materials 3D to create a material list, either from plan sheets or an Earthwork 3D file, to estimate quantities and costs. In addition, the class covers basic digitizer entry from plan sheets as well as processing electronic DOT data in Highway 3D to create takeoffs and precise 3D grading models for highway jobs. *GPS lunch: Outdoor hands-on GPS gradesetting and machine control practice will demonstrate effective use of 3D models on highway jobs.*

**Prerequisites:** Students should have prior plan-reading experience and basic computer skills.

Yes, reserve my place(s) in training class on the following dates:

Month: \_\_\_\_\_

Tuesday Takeoff  Wednesday Modeling  Thursday Materials/Highway

Name \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Fax \_\_\_\_\_

Fax registration  
form to: (925) 606-9320