

## Hands-on "Test drive GIS Lab"

This workshop is designed to give surveyors introductory level hands-on experience with the world's leading GIS software. Surveyors and mappers with little or no GIS experience will benefit from scripted exercises designed to cover GIS basics including data input, data automation, data display and symbolization, GIS analysis and mapping.

Prerequisites: Little or no desktop mapping or GIS experience is required; however, registrants should be familiar with PC based windows software.

Workshop overview:

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|---|----------------|-----------|
| 1) Introduction to Desktop GIS          | - lecture      | (55 min)  |
| 2) Introduction to "Test drive GIS Lab" | - lecture      | (5 min)   |
| 3) Hands-on "Test drive GIS Lab"        | - hands-on lab | (3 hours) |

a) Introduction to Desktop GIS exercises (3):

- 1) ArcGIS sampler exercise
- 2) Displaying data
- 3) Creating a map for plotting/printing

b) Getting data into your GIS (exercise is focused on surveying)

- 1) Survey Project Support
  - Data conversion
  - Data projection
  - Data integration
  - Spatial analysis
  - Writing a simple report

Presenter:

### **Mike Weir** **ESRI Surveying Industry Manager**

Mike Weir has worked in the fields of surveying and mapping for over 30 years as a surveyor and GIS professional.

His surveying experience includes geodetic control surveys, astronomic observations, construction layout surveys, boundary location and topographic surveys where he has served as instrument operator and in positions of responsible charge as party chief, chief of field parties, and chief of survey operations. As a GIS professional Mike has served as a GIS consultant, GIS manager, application developer, and master instructor with considerable international experience in both surveying and GIS (including international teaching and conference presentations). Mike has worked at ESRI for over 11 years and now serves as the Surveying Industry Manager.

Mike graduated with Honors from National-Louis University with a Bachelor of Arts in Management. Mike also graduated with honors from the Advanced Geodetic Surveying Course, the Mapping Charting and Geodesy Officer Course, and the Warrant Officer Terrain Analysis Course.