

FREE - Autodesk University Extension Classes



AIT Spatial Ltd is holding three Special Events on 7th, 8th and 11th December 2009 with a focus on Civil Engineering; Geospatial and Facilities Management and finally Customization and Programming.

These are designed to give clients an opportunity to view some of the classes held at the Autodesk University which takes place on 1st-3rd December 2009 in Las Vegas, US.

Although each session is run as an on-line class display, we plan to have an experienced user on hand to answer any questions at the end of each session.

These Extension Classes will be held at our Training Centre in Wellingborough, Northamptonshire. Refreshments will be provided.

Geospatial/Facilities Management 8th December 2009

AGENDA

8.30 – 9.00am	Arrival
9.00 – 10.00am	Session 1
10.00 – 10.30am	Break
10.30 – 11.30am	Session 2
11.30 – 12.00noon	Break
12.00 – 1.00pm	Session 3
1.00 – 2.00pm	Break/Lunch
2.00 – 3.00pm	Session 4
3.00 – 3.30pm	Break
3.30 – 4.30pm	Session 5

- Session 1** **Using AutoCAD Map 3D and LiDAR Data to Enhance 3D Maps and Designs**
(Justin Lokitz)
In this class we will focus on the ability of AutoCAD Map 3D to import and utilize 3D LiDAR data for enhancing 3D maps and designs. We will cover what LiDAR is, the benefits of LiDAR data, and how Map 3D can utilize huge LiDAR data sets to create incredible 3D surface models and enhance mapping and feature creation.
- Session 2** **Integrating GIS and CAD Data with the FME FDO Provider**
(Dale Lutz)
FDO Data Access technology - the Autodesk Geospatial data access platform - is important for enabling interoperability between CAD and GIS systems. In this session, attendees will learn how they can directly and natively access nine commonly-used spatial data formats, including key ESRI, MapInfo and GML/XML formats from within AutoCAD Map 3D using the FME FDO Provider. Through case studies and demonstrations, AutoCAD Map 3D users will learn how to use this free FME FDO Provider tool to use their CAD and GIS data together, enabling this information to be freely and seamlessly accessed and used by others for improved data sharing and collaboration.
- Session 3** **Mapping Water Quality with RESTful Web Services for MapGuide**
(Haris Kurtagic)
One of the critical open interoperability technologies that is being developed and supported by the open source geospatial community is the MapGuide and Feature Data Object Application Programming Interface (FDO API). In this presentation I will describe an application developed for the City of Ljubljana Water Company, which is designed to provide the public with maps showing water quality. The application was developed using RESTful MapGuide/FDO web services and integrates with the City's SharePoint services. The application allows users to search (or even use Google search) for a particular location; for example, by street address. The user can display a water quality map of the region in which the location lies in MapGuide or alternatively Google Maps using KML generated by MapGuide RESTful web services. This case study illustrates a major advantage of implementing GIS using web-oriented architecture.

AIT Spatial Ltd
Wellingborough Innovation
Centre
Church Street
Wellingborough
Northamptonshire
NN8 4PD UK
Tel: +44(0)1933 303034
Email: info@aitspatial.co.uk
www.aitspatial.co.uk

FREE - Autodesk University Extension Classes – Continued...2



Session 4

Dynamic Authoring with Autodesk MapGuide Enterprise

(Scott McFarlane)

This class demonstrates how the session repository in MapGuide Enterprise makes dynamic authoring easier than ever. We'll explore the various XML schemas that define MapGuide resources, such as feature sources, layers, maps, and web layouts. You'll learn how MapGuide manages session state, and how to use the MapGuide server API to work with repository data. We'll also introduce the parts of the MapGuide API that support the new SDF format, and look at how this can be used to develop digitizing and redlining applications.

Session 5

Don't Get Floored In Your Facility: Autodesk® Revit® Architecture as an Effective Facilities Management Tool

(Christopher Fernandez)

See how Revit Architecture can be an effective facilities management tool. Understand how parameters, schedules, and area plans can create a cohesive facility plan from design to management. See move coordination and scenario planning using the industry's premier architectural design tool.

**If you are interested in attending this course, or would like further information,
please contact us on**

training@aitspatial.co.uk or phone us on 01933 303034

*Registered at
Sterling House
31/32 High Street
Wellingborough
Northamptonshire
NN8 4HL UK
Registered No: 3902353
VAT Reg. No: GB748 0238 29*