

Intermountain GIS Conference Workshops

Date: April 2 – 3, 2006

Locations: Tamarack Resort

(Workshop 1a & 1b)

National Hydrography Dataset Applications Workshop

Description:

This class provides all of the basic information you need to exploit the power of the National Hydrography Dataset. The NHD was carefully designed for scientific applications and consists of many attributes and characteristics perfectly suited for geographic analysis using GIS. However, the data was designed to be simple enough for anyone to use, not just highly skilled GIS specialists. Thanks to this design, powerful applications can be developed with just one day's training. The class starts by looking at how others around the country are using the NHD. The NHD data structure is explored and applied to basic mapping techniques. The ability to navigate throughout the stream network is covered, opening up new approaches for conducting GIS. The data structure is explored in more detail revealing many new possibilities for network analysis. The important process of linking scientific data to the stream network is covered. These techniques, combined with network navigation, lead to cause and effect analysis allowing the scientist to discover how one event in the environment can impact another event. The importance of data change management, the added power of NHDPlus, and the role of ArcHydro are also covered.

Instructor:

Jeff Simly – USGS

When (2 days available):

Monday, April 2nd

Tuesday, April 3rd

Where:

University of Idaho McCall Field Campus, McCall, Idaho

Cost:

\$125.00

Special Note: *This is a hands-on workshop, each participant will have his/her own machine. No Doubling-up!!*

Limit 12 students per day

(Workshop 2 - LAB)

Working with ArcGIS for Planning & Service Industries

Description:

Designed for GIS users who work with city & county planning, including, schools, realtors, utility companies, emergency operations, parks, developers and other service industries. This class includes scenarios related to zoning, land values, park locations, golf courses, and student redistricting. Exercises use data from the Portland Metro's Data Resource Center, 2000 Census data, and local school data.

We're sorry, this workshop has been canceled

Instructor:

John Schaeffer – Juniper GIS

When:

Monday, April 2nd & Tuesday, April 3rd

Where:

Downend Room, Tamarack Resort

Cost:

\$475.00

Special Note: *This is a hands-on workshop, each participant will have his/her own machine. No Doubling-up!!*

Limit 14 students

(Workshop 3)

GeoDatabase and GeoProcessing with ModelBuilder (v9.2)

Description:

In this two-day course, students will be introduced to the ArcGIS Version 9.2 GeoDatabase environments. Users will be provided training data, but may also bring their own data to the course. A new GeoDatabase is created from scratch. Participants learn how to create, use, edit and manage spatial and attribute data stored in the GeoDatabase and how to share GeoDatabase schema with XML. Data loading, topology rule creation, editing, and maintaining data integrity through spatial and attribute validation will be thoroughly explored. The ModelBuilder will be introduced early on as a tool for data loading and maintenance. After a GeoDatabase is built, students will use ModelBuilder for a number of different analyses. The 9.2 additions to ModelBuilder will be explored as well. For quick learners, this course should have time for using concepts introduced in the class on your own data.

Instructor:

Bruce Kessler – Kessler GIS

When:

Monday, April 2nd & Tuesday, April 3rd

Where:

Rutledge Room, Tamarack Resort

Cost:

\$475.00

Special Note: *This is a hands-on workshop, each participant will have his/her own machine. No Doubling-up!!*

Limit 12 students (additional room available if you bring your own laptop)

(Workshop 4)

GPS and ArcPad

Description:

The 2-day course will center on being productive with ArcPad in the field and understanding how to collect and process high quality GPS data with ArcPad, the Trimble GPSCorrect extension for ArcPad, GPS Analyst for ArcGIS and/or GPS Pathfinder Office software. ArcPad's integration with ArcGIS will be highlighted. Although Trimble GPS equipment and software will be highlighted, any GPS platform running ArcPad is welcome. You will gain confidence and the skill set to efficiently manage the mobile GIS work flow.

Instructor:

Jim Lahm- EDS

When:

Monday, April 2nd & Tuesday, April 3rd

Where:

Morgan Room, Tamarack Resort

Cost:

\$475.00

Special Note: *This is a hands-on workshop, each participant will have his/her own machine. No Doubling-up!!*

Limit 12 students

(Workshop 5)

Creating and Editing Parcels with ArcGIS in 9.2

Description:

This course provides an introduction to storing and maintaining cadastral data in a geodatabase. Students learn basic concepts of the geodatabase data model and a process for editing parcels. In course exercises, they practice displaying, symbolizing, and editing parcel data as well as entering subdivisions into an existing parcel fabric. The course also teaches how to create and modify tax map annotation.

Instructor:

ESRI

When:

Monday, April 2nd & Tuesday, April 3rd

Where:

University of Idaho McCall Field Campus, McCall, Idaho

Cost:
\$475.00

Special Note: *This is a hands-on workshop, each participant will have his/her own machine. No Doubling-up!!*

Special Note: *This ESRI workshop is the same content as an Olympia workshop for 1/2 the registration price! It includes the same content, workbook, certificate, etc. so it's a great deal since it is half the registration cost!*

(Workshop 6)

Introduction to Geoprocessing Scripts Using Python

Description:

The ArcGIS 9 geoprocessing framework includes a scripting environment, and Python[®] is the scripting language included with ArcGIS. This course introduces the Python scripting language and shows how it can be used to access and automate geoprocessing functionality. Students learn Python scripting syntax, then begin writing scripts to automate geoprocessing operations. Students also learn how to incorporate Python scripts as custom tools in ArcToolbox.

Instructor:
ESRI

When:
Monday, April 2nd & Tuesday, April 3rd

Where:
University of Idaho McCall Field Campus, McCall, Idaho

Cost:
\$475.00

Special Note: *This is a hands-on workshop, each participant will have his/her own machine. No Doubling-up!!*

Special Note: *This ESRI workshop is the same content as an Olympia workshop for 1/2 the registration price! It includes the same content, workbook, certificate, etc. so it's a great deal since it is half the registration cost!*

(Workshop 7)

Salient Issues in Cartography and Visualization

Description:

1. Practices and Mispractices in Cartography. This first part of this workshop will explore design problems in thematic mapping. The map communication process can severely be hampered by a poor design choice (color, symbology, typography, and violations of cartographic rules). Recommendations to improve the general communication will be given.
2. Animation in Visualization. This section of the workshop will illustrate the use of Macromedia Freehand to produce interactive map. Second, Macromedia Flash will be demonstrated as a tool to generate animated maps, and time-varying maps.

Instructor:

Eric Delmelle, U of I

When:

Tuesday afternoon, April 3rd

Where:

TBA

Cost:

\$50.00

(Workshop 8)

Using Remote Sensing Data for Decision Making

Description:

This workshop will include the fundamentals of remote sensing as well as provide practical examples of remote sensing applications. The class will include approximately ½ day of lecture/examples and ½ day of hands-on experience with image processing. Specific topics to be addressed include 1) remote sensing 101; 2) levels of use and sophistication of remote sensing data and processing; 3) free data, data availability and sources; 4) image processing tools all software programs provide; 5) applications; and 6) discussion of integrating remote sensing into user's needs/research

Instructor:

Nancy Glenn – ISU

When:

Monday, April 2nd

Where:

Pottenger Room, Tamarack

Cost:

\$100.00

Special Note: This is a hands-on workshop, each participant will have his/her own machine. No Doubling-up!!

Limit 20 students

(Workshop 9)

Managing Multiple Projects, Objectives and Deadlines

Description:

In this valuable on-site seminar, your organization's managers, supervisors and administrative assistants will learn proven techniques, guidelines and strategies for staying on top of even the most demanding schedule of competing priorities and multiple projects. What's more, SkillPath's team of productivity experts will tailor the program to include the most real-world problems the people in your organization face every day. And because we're bringing the seminar on-site, the members of your team, department or entire organization can learn these valuable, productivity-enhancing skills together!

Instructor:

SkillPath

When:

Tuesday, April 3rd

Where:

University of Idaho McCall Field Campus, McCall, Idaho

Cost:

\$200.00

Limit 30 students

(Workshop 10)

Acquiring and Using LiDAR Data

Description:

Laser altimetry or LiDAR is becoming a much sought after remote sensing technology for feature extraction and natural resources measurement. Yet, for most of us there is often confusion in how to plan acquisitions, purchase data, and execute analyses using LiDAR data. This class will cover the important basics that any user will need to know for choosing LiDAR acquisition parameters, pricing acquisitions, selecting appropriate data processing software for executing bare earth extraction, importing LiDAR data into GIS and remote sensing software, manipulating data, and using LiDAR data for natural resources applications.

Instructor:

Eric Rowell – U of M

David Streutker

When:

Tuesday, April 3rd

Where:

Pottenger Room, Tamarack

**We're Sorry, this workshop
has been canceled**

Cost:
\$100.00

Special Note: *This is a hands-on workshop, each participant will have his/her own machine. No Doubling-up!!*

Limit 20 students

(Workshop 11)

GIS Program Management Workshop

Description:

This URISA certified workshop is designed to provide insights and guidelines for managing public agency GIS programs. It will look at the various organizational and management issues that program managers must address in order to develop and manage a successful GIS program. It is appropriate for: a) current GIS managers seeking to polish their skills and examine approaches to management challenges, b) GIS or IT users and technical staff who are moving into management roles, c) IT management personnel who are becoming more involved with GIS program management or oversight. The course material will cover all aspects of GIS project and on-going program management including such areas as:

- strategic and implementation planning
- budgeting and financial management
- business case development and cost-benefit evaluation
- team building and human resources
- product/service procurement and vendor/contract management
- key technical management concerns and
- important legal and policy issues for GIS project and program management

The workshop will focus on practical issues and challenges faced by GIS managers. It is structured to allow adequate time to discuss important topics and for attendees to exchange ideas and experiences.

Instructor:

Peter Croswell – Susan Johnson

When:

Monday, April 2nd

Where:

University of Idaho McCall Field Campus, McCall, Idaho

Cost:
\$200.00

Limit 30 students
