GIS is GREEN – Geographic Readiness for Energy and the ENVironment

Moore Norman Technology Center
South Penn Campus
13301 S. Pennsylvania Avenue
Oklahoma City, OK

Conference Week Activities

GIS Workshops - October 19th, 2009

- MARPLOT for Emergency Response GIS – 8:00 am – 12:00 pm
- Desktop Geocoding – 1:00 pm – 5:00 pm
- GIS Technology Tsunami – 8:00 am – 5:00 pm
- Hands-on Opensource GIS – 8:00 am – 5:00 pm

Conference Day Agenda – October 20th, 2009

7:30 am  Registration opens with Vendor Exhibits
8:00 – 8:30 am  Breakfast
8:30 – 9:30 am  Welcome and Keynote Address by the Oklahoma Wind Power Initiative
9:30 – 10:15 am  Break and Vendor Visit
10:15 – 12:00 pm  User Presentations
12:00 – 1:15 pm  Lunch and Poster Competition
1:15 – 2:15 pm  Panel Discussions
2:15 – 3:00 pm  Afternoon Break and Vendor Visit
3:00 – 4:30 pm  Technical Sessions
4:30 – 5:00 pm  Closing Remarks and Prize Drawings

GIS Trainings – October 21st – 23rd, 2009

- Introduction to ArcGIS Desktop – 3 days
- Creating and Editing Parcels with ArcGIS Desktop – 2 days (W & Th)
- Data Management in the Multiuser Geodatabase - 3 days

Early registration deadline is 9/15/2009
2009 Conference Registration Form

Name: ______________________________________________________
Company: ______________________________________________________
Address: ______________________________________________________
City/State/Zip: ______________________________________________________
Phone: (____) ________________________________________________
Email: ______________________________________________________

Check One: ☐ New Member  ☐ Existing Member

Interested in submitting a poster, map or presentation abstract?  ☐ User presentation  ☐ Poster/Map

Can we release your contact information to the vendors at the conference?  ☐ Yes  ☐ No

Conference Registration:
Early Registration deadline: 9/15/2009
☐ $30 Student registration
☐ $60 Standard registration

Late Registration after 9/15/2009
☐ $50 Student registration
☐ $80 Standard registration

Oklahoma SCAUG Training - October 21st – 23rd
☐ Introduction to ArcGIS Desktop  3 days - $600
☐ Creating and Editing Parcels with ArcGIS Desktop  2 days (W & Th) - $750
☐ Data Management in the Multiuser Geodatabase  3 days - $1,125

Oklahoma SCAUG Workshops - October 19th
☐ MARPLOT for Emergency Response GIS  ½ day AM - $25
☐ Desktop Geocoding  ½ day PM - $25
☐ GIS Technology Tsunami  Full day - $50
☐ Hands-on Opensource GIS  Full day - $50

Mail or fax completed form and payment to:
SCAUG
c/o Carrie Landgraf
3101 W Galveston Pl
Broken Arrow, OK 74012-3278
Fax: 918.584.1487

See pages 3-5 of this form for descriptions of the training classes and workshops.

Conference registration required for training and workshops (no refunds after 9/25/2009)

Contact Katy Rich or Carrie Landgraf if you require special accommodations (hearing, vision, etc.)
Poster, Map, and Presentation Submission Information

We are accepting abstract submissions for posters, maps and user presentations. Here is the info:

- Posters and Maps – should be printed no larger than 34” x 44” and mounted (easels provided)
- User Presentations – 30-minute time slots for presentation and questions
  (please indicate if you would be interested in giving your presentation more than once during the conference)

To submit an abstract for a presentation, poster and/or map, please send an email to Katy Rich (katyr@health.ok.gov) with the following information by 8/3/2009:

[✓] Title of Presentation/ Poster/Map
[✓] Abstract (300 words or less)
[✓] Name(s) of authors or presenters
[✓] Company/Organization Name(s)

Conference registration required for presenters.

If you have questions or need more information please feel free to contact Katy Rich or Carrie Landgraf on the Steering Committee.

Training Course Descriptions

Introduction to ArcGIS – October 21st-23rd - $600.00 per person
* class size limited to 12 students

ArcGIS Desktop is ESRI’s full-featured GIS software for visualizing, creating, managing, and analyzing geographic data. This enhanced introductory course provides the foundation for becoming a successful ArcGIS Desktop user. Students learn fundamental GIS concepts and become familiar with the range of functionality available in the software. Topics covered in the course include, but are not limited to, displaying spatial data, labeling features, creating and editing spatial data, analyzing features by attributes or location, cartographic output and geoprocessing. Participants do not receive an ESRI certificate for this training course.

Creating and Editing Parcels with ArcGIS Desktop – October 21st-22nd - $750.00 per person
* class size limited to 12 students

This ESRI course is helpful for anyone who deals with legal descriptions, land acquisitions, cadastral data, leasing, and parcels! You learn how to use the COGO (Coordinate Geometry) tools in ArcGIS Desktop to accomplish this as well as basic concepts of the geodatabase data model and a recommended process for editing parcels. In course exercises, you practice displaying, symbolizing, and editing parcel data as well as entering splits into existing parcels. The workflow for creating and modifying tax map annotation is also covered. The course is intended for those with a fundamental understanding of ArcGIS and cadastral terminology.

Data Management in the Multiuser Geodatabase – October 21st-23rd - $1,125.00 per person
* class size limited to 12 students

This ESRI course prepares GIS and database administrators to implement an ArcSDE geodatabase by teaching how to load and manage ArcSDE data. The course presents concepts applicable to both workgroup and enterprise ArcSDE geodatabases but focuses primarily on the enterprise ArcSDE geodatabase. The course focuses on loading and managing vector and raster data and emphasizes best practices for interacting with a multiuser geodatabase. You explore multiuser geodatabase design strategies and editing options for data stored in a multiuser geodatabase, including versioning. This course is designed for GIS and database administrators who want to implement a workgroup or enterprise ArcSDE geodatabase.
Workshop Descriptions

**MARPLOT for Emergency Response GIS – October 19th – ½ Day (AM) – $25.00 per person**
* class size limited to 30 students

Join Tom Bergman of the Oklahoma Department of Environmental Quality for a ½ day workshop to learn about MARPLOT (*Mapping Application for Response, Planning, and Local Operational Tasks*), the free mapping application program developed jointly by NOAA and the EPA. MARPLOT was introduced in 1989, and has undergone several iterations over the past 20 years. MARPLOT was developed as the mapping component for CAMEO (*Computer-Aided Management of Emergency Operations*) and has long been associated with emergency response and planning activities, particularly Hazardous Materials incidents. MARPLOT directly interfaces with CAMEO, a relational database, and ALOHA (*Aerial Location of Hazardous Atmospheres*), a chemical release air dispersion model. MARPLOT also directly accesses all 2000 U.S. Census Bureau data, and will incorporate the 2010 census data when available. MARPLOT is useful for a wide variety of other GIS activities. MARPLOT operates primarily as an off-line tool, with some on-line features available in MARPLOT 4.0.

The current version of MARPLOT 4.0 incorporates the following features:
- Import/export of shapefiles, MrSID files, text files, and .KML files
- User-friendly ability to add map objects, mark them using MARPLOT's set of symbols or the DHS/FEMA set of emergency management symbology;
- Link map objects to CAMEO database records;
- Simple, all-inclusive search mechanism for map objects;
- Easy display of ALOHA® HazMat threat zones.

MARPLOT is principally designed to allow off-line users to display basemaps (vector or raster) and then easily add their own map objects on top of those basemaps without the necessity of creating associated database records or attribute tables. MARPLOT design is focused on allowing emergency responders to quickly and easily track information during emergency events for locations and situations where server access may not be available.

**Desktop Geocoding: Interpreting Status, Score and Those Pitiful Matching Results - October 19th – ½ Day (PM) - $25.00 per person**
* class size limited to 30 students

This ½ day workshop will cover desktop geocoding techniques and best practices. Participants will learn about preparing data for successful geocoding, dealing with address quirks specific to Oklahoma, and measuring and communicating quality. Participants will also learn about the choices for data inputs, geocoding processes and just what exactly that geocoding “score” means. Attendees will participate in workshop activities that will remove the mystery from the geocoding process and infuse a mundane process with new energy and excitement. The instructor, Katy Rich, is the GIS Coordinator for the Oklahoma State Department of Health; staff members in her division geocode almost 1 million addresses each year from vital statistics, cancer, and hospital discharge datasets.
GIS, ESRI, SCAUG, IT, GIS are all acronyms representing gobbledygook to normal people. How do you stop this tragedy and explain the importance of what you do? Join your media spin-doctor, former reporter and radio and TV talk-show host Larry Stein who can help you learn to turn your acronyms into a real conversation. Spend a day learning your “elevator talk” from this presenter who has provided media direction for leaders from around the world who wanted to learn how to better deal with their colleagues and gain positive media attention. Learn how to become a source for information for the media and begin your post-graduate work heading toward a life-long internship as a Spin Dr. The instructor, Larry Stein, is an internationally recognized presenter and consultant on communications and strategic planning. Stein has earned national, state and local awards for investigative journalism, editorial writing, radio advertising and photography. He’s worked as a newspaper reporter, a radio reporter, television host, radio talk show host, and currently is the chief deputy for Oklahoma County Assessor Leonard Sullivan and helps manage 82 employees and a $5 million budget.

Hands-on Opensource GIS – October 19th – Full Day – $50.00 per person
* class size limited to 18 students

In addition to the array of commercial GIS software products, there are numerous open source/free geospatial tools and complete software packages available to GIS practitioners. These include everything from extensions to popular commercial GIS software to full, out-of-the-box desktop mapping applications; from web-based mapping solutions to open source geodatabases. This workshop, presented by veteran open source users from Coordinate Solutions, Inc., is intended to give a brief, hands-on introduction to a handful of the free and/or open source tools available to desktop GIS users. Topics to be covered include, but are not limited to:

- ArcScripts: free extensions to ArcGIS
- ET GeoWizard and ET GeoTools: ArcInfo functionality for the ArcView/ArcEditor license holders
- GDAL: open source geospatial raster translator
- OGR: open source geospatial vector translator
- Quantum GIS: cross-platform desktop GIS
- PostGIS: spatially enabling a PostgreSQL database
- uDig: internet GIS on the desktop

The open source geospatial community is in a constant state of flux as new technologies are developed and updated. Workshop participants are strongly encouraged to follow the latest developments in the open geospatial community at: http://www.osgeo.org/.