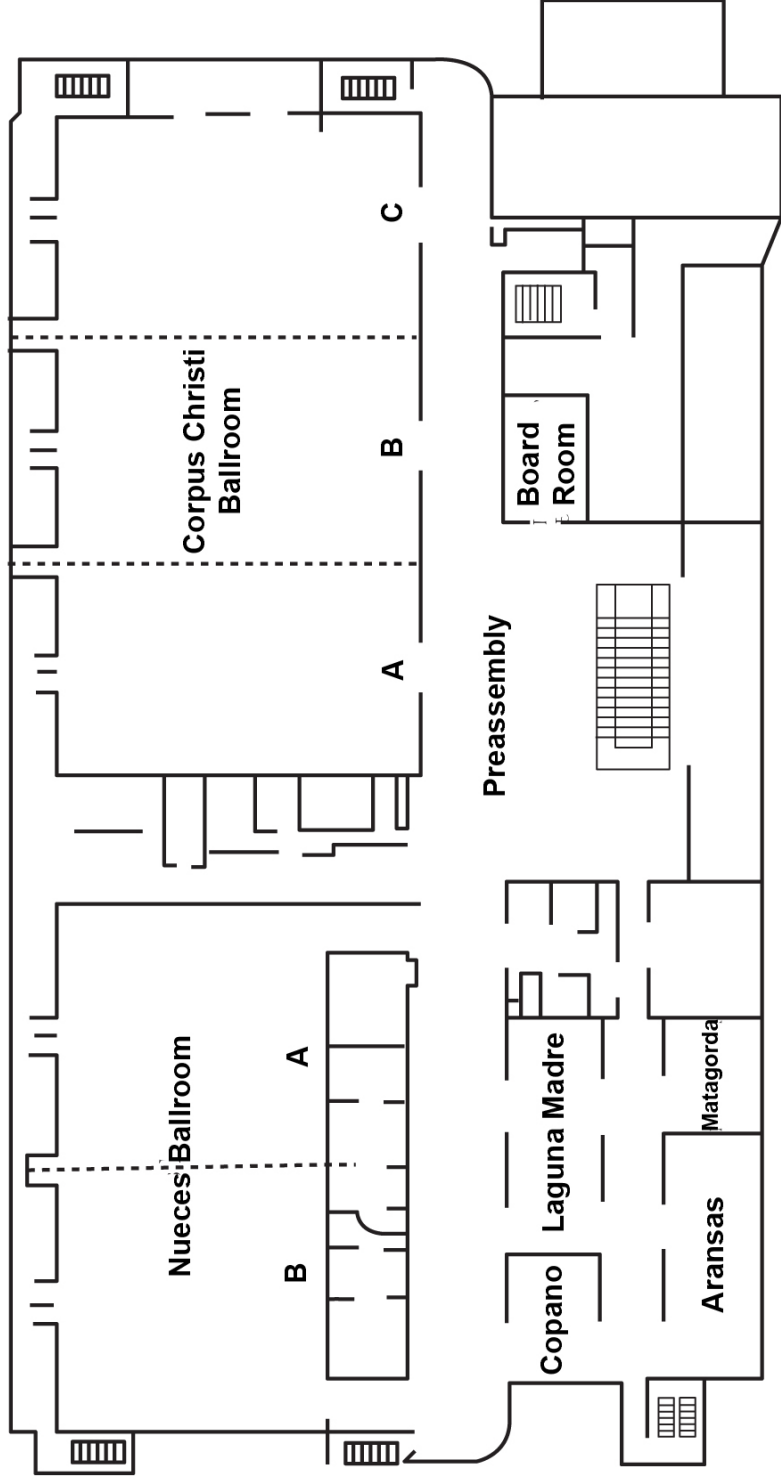


STC 2008

18th Annual Conference



THIRD FLOOR



SCAUG OFFICERS 2007 - 2008

PRESIDENT

JUSTIN CURE, GISP
CITY OF LONGVIEW

VICE PRESIDENT

TESSA M. ALLBERG, GISP
CITY OF MCKINNEY

CONFERENCE COORDINATOR

LYDIA SAUCEDA
CPS ENERGY

CONFERENCE COORDINATOR ELECT

BETSI CHATHAM, GISP
CITY OF FORT WORTH

ASSIST. CONFERENCE COORDINATOR

SHELLIE WILLOUGHBY
OK CONSERVATION COMMISSION

SECRETARY

CINDY TUTTLE, GISP
SAN ANTONIO WATER SYSTEM

LOUISIANA REPRESENTATIVE

GREGORY P. HYMEL
GEOGRAPHIC COMPUTER TECHNOLOGIES

MISSISSIPPI REPRESENTATIVE

NEAL SMITH
MARIS

NORTH TEXAS REPRESENTATIVE

SUZANNE WACHAL, GISP
CH2M HILL

OKLAHOMA REPRESENTATIVE

CHARLES E. BRADY III, GISP
CITY OF ARDMORE

SOUTH TEXAS REPRESENTATIVE

ERIC C. STAUBER
ESRI

TREASURER

GARRI GROSSI
SCAUG

ESRI REPRESENTATIVE

STACIA CANADAY
ESRI

PAST PRESIDENT

JOE CHAPA
CITY OF NEW BRAUNFELS

OUTREACH COORDINATOR

COLBY T. FREE
BEXAR COU



SCAUG
South Central Arc User Group

TABLE OF CONTENTS

Welcome

Conference at a Glance

Conference Information

Conference Sponsors

User Presentation Guide

Social Information

Presentation Abstracts

Upcoming Events Information

Participating Vendors

Conference GISP Credit Checklist

Special Thanks:

A special thanks to these organizations for helping make this year's conference a success!

- City of Longview
- City of McKinney
- CPS Energy
- City of Fort Worth
- Oklahoma Conservation Commission
- San Antonio Water System
- Geographic Computer Technologies
- MARIS
- CH2M Hill
- City of Ardmore
- ESRI
- SCAUG
- City of New Braunfels
- Bexar County

From the

Captain of the Ship...

Welcome to the 18th Annual South Central Arc User Group conference and beautiful Corpus Christi, Texas!!!

When the year began, some goals for SCAUG were presented to the board. They included, expand the presence of SCAUG throughout the region, expand the value of SCAUG, increase outreach to the community, get back to the basics, begin planning the 2009 conference, and hold a successful conference in Corpus. I believe we have met and exceeded these goals.

We attempted to expand our presence throughout the region by allowing smaller user groups to become official sub-chapters of SCAUG. If you are a member of a smaller user group please encourage the leaders of that group to take advantage of this program. You can find more details on our website.

We have expanded the value of SCAUG in many ways. We created a discussion forum to increase communication between users. A reduced priced ArcGIS Server course was held in San Antonio and discounts were provided on several other courses. In addition, we became part of ESRI's Professional Connection. The Profession Connection provides a 20% discount to SCAUG members on GIS Training and Education at ESRI Virtual Campus.

To increase outreach in the community we started the year off by appointing our Outreach Coordinator, Colby Free. Colby quickly began to come up with ideas to increase outreach. He will have a big announcement for you during the opening session. In addition, we provided training materials for the Gulf Coast Community Design Studio working on the aftermath of Hurricane Katrina in Mississippi. If you would like to contribute to our outreach initiatives, consider purchasing something from Giveline. SCAUG gets a portion of the sale and you can find more information on our website.

We did our best to get back to the basics this year by providing two web newsletters and several emails to keep the membership informed. The salary survey also reappeared this year. You should see results soon after analysis is completed.

Planning is well under way for the 19th annual conference. We chose the live music capital of the World, Austin, Texas. Our hotel sits on Town Lake and Sixth Street is just a stroll away. We hope you can join us March 29th – April 3rd, 2009.

Many months and long hours have gone into the planning of this year's conference. I think you will find a load of content and many networking opportunities. Some of the events available are training, user presentations, ESRI technical sessions, the map gallery, the applications contest, vendors, and the Buccaneer Bash. I encourage you to enjoy as many of these as you can to truly see what a SCAUG conference is all about.

Lastly, please take time throughout the week to thank this year's board members. We are an all volunteer army and without their hard work, dedication, and personal time none of this would be possible. Enjoy the conference!!

Justin Cure, GISP

CONFERENCE at a GLANCE

Monday, April 7th / Tuesday, April 8, 2008

8:30am - 5:00pm	Managing Cartographic Data in the Geodatabase	Aransas
8:30am - 5:00pm	Introduction to ArcGIS Server	Corpus A
8:30am - 5:00pm	QA/QC of GIS Data	Corpus B
8:30am - 5:00pm	Introduction to Multiuser Geodatabase	Corpus C
8:30am - 5:00pm	Introduction to ArcGIS Image Server	Matagorda

Tuesday, April 8th, 2008

8:30am - 4:30pm	Introduction to ArcPad	Laguna Madre
-----------------	------------------------	--------------

Wednesday, April 9th, 2008

7:00am - 6:00pm	Registration	3rd Floor
9:00am - 11:30am	Opening Breakfast	Corpus Ballroom
11:30am - 9:00pm	Vendor Hall	Nueces Ballroom
11:30am - 1:00pm	Lunch on Your Own	
1:30pm - 3:00pm	Session Track I	See Schedule
3:30pm - 5:00pm	Session Track II	See Schedule
6:00pm - 9:00pm	Vendor Reception	Nueces Ballroom
6:00pm - 8:00pm	Map Gallery/Applications Contest	Nueces Ballroom

Thursday, April 10th, 2008

8:00am - 11:00am	Registration	3rd Floor
8:00am - 5:00pm	Vendor Hall	Nueces Ballroom
9:00am - 10:30am	Session Track I	See Schedule
11:00am - 12:30pm	Lunch on Your Own	
1:00pm - 2:30pm	Session Track II	See Schedule
3:00pm - 4:30pm	Session Track III	See Schedule
6:00pm - 10:00pm	Buccaneer Bash	Museum

Friday, April 11th, 2008

9:00am - 10:30am	Session Track I	See Schedule
11:00am - 1:00pm	Awards Luncheon	Corpus C Ballroom

OPENING BREAKFAST

Join us at the Opening Breakfast on Wednesday, April 9th at 9:00am in the Corpus Ballroom. Come hear our ESRI Regional Manager, Gary Scofield give his first SCAUG address, meet and greet the new and old faces of the SCAUG membership, congratulate the Student Competition Winner, and hear about conference and future events from the SCAUG officers.

VENDOR FAIR & RECEPTION

Come visit our vendors in the Nueces Ballroom as they exhibit their newest technology and services on Wednesday, April 9th from 11:30am to 9:00pm, and Thursday, April 10th from 8:00am to 5:00pm. Be sure to visit exhibit booths to play the traditional Vendor Bingo and for a chance of a FREE DRINK TOKEN to redeem at the Vendor Reception, which will be held Wednesday, April 9th from 6:00pm to 9:00pm. Don't forget to bring your Vendor Bingo to turn in for a chance to win!!!

MAP GALLERY & APPLICATION CONTEST

The Map Gallery and Applications Contest will be held during the Vendor Reception on Wednesday, April 9th from 6:00pm to 8:00pm in the Nueces Ballroom. Please cast your ballots on your fellow members hard work and receive a customary PINT GLASS!!!

MITT MEET BASH

Come join your fellow mateys for dinner, drinks and seaworthy conversation along side one of the Columbus Ships on Thursday, April 10th from 6:00pm to 10:00pm at the Corpus Christi Science and History Museum. Starting at 5:30pm, you can either take a van shuttle or embark on a Pirate Walk (3/4 mile) to the venue!

AWARDS LUNCH

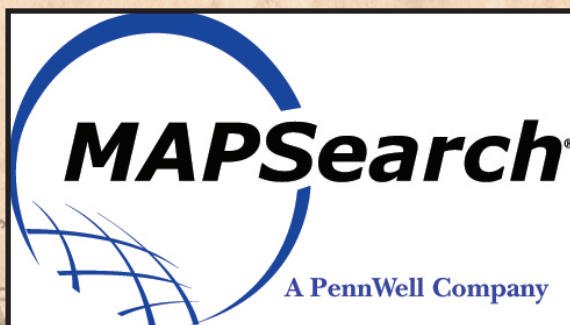
Wrap up the conference by attending the Awards Lunch on Friday, April 11th from 11:00am to 1:00pm in Corpus C Ballroom. We will be announcing the winners from the Map Gallery and Applications Contest, presenting the Founders and Thumbs Up awards, and covering some SCAUG business.

**SPECIAL THANKS TO THIS YEAR'S
SPONSORS**

PLATINUM LEVEL



GOLD LEVEL



SPECIAL THANKS TO THIS YEAR'S SPONSORS

SILVER LEVEL



USER PRESENTATIONS

Wednesday, April 9

1:30 pm - 3:00 pm

Real Time, Spatial Data Management for Environmental Site Assessments

Laura Carr & Jenny Palomino

Aransas

Using Industry-Defined Standards in GIS Technician Degree Programs

Dr. Phillip Davis & Anne Dorsey

Corpus A

Planning & Implementation of a Large Scale Multi-Agency GIS Day

Rob Wachal & Mark Lindsey

Corpus B

Enterprise Mapping with ArcGIS Server: Case Studies

Susan King

Corpus B

CPS Energy-Integration Approach between SAP, WMIS, & Designer

James Trevino

Corpus C

Work Management System and GIS, A Winning Combination

Fred Souza

Corpus C

Without Quality You Have No GIS

Teri Landrum

Laguna Madre

Oblique Imagery in Use with GIS Applications

Craig Whitmer

Laguna Madre

.....

3:30 pm - 5:00 pm

Developing a Storm Water Geodatabase for the City of Victoria

Nirav Shah & Adrian Canas

Aransas

Wastewater Master Planning with GIS to Optimize Resources

Santa Rivas

Aransas

Building/Managing Effective ESRI Server Applications Using Off-the-Shelf Software (COTS)

D. Herle, C. Free, M. Parma & J. Chapa

Corpus A

ArcGIS Server: An Overview

Gayatri Kesavamurthy

Corpus B

Advanced Functionality in ArcGIS Desktop 9.2

Ken Smith

Corpus C

Enterprise GIS Integration: An Evolving, Leading-Edge Solution

Dawn Sowinski

Laguna Madre

Making Sense of Complicated Land Leases

Stephanie Long

Laguna Madre

Thursday, April 10

9:00 am - 10:30 am

Implementing GIS on the Web for the Enterprise

Ali Diba

Aransas

Implementing GIS for Enterprise Mobile Workflows

Ali Diba

Aransas

Using Industry-Defined Standards in GIS Technician Degree Programs

Dr. Phillip Davis & Anne Dorsey

Corpus A (till 11:00 am)

ESRI's Business Geo-Demographics Solutions

Dennis Kaplan

Corpus B

ESRI Authorized Training Program (ATP)

Ken Smith & Stacia Canaday

Corpus C

Building Regional Datasets to Improve Public Safety and Economic Development

Dr. D. McDonald, J. Brown, P.R. Blackwell & K. Mulligan

Laguna Madre

1:00 pm - 2:30 pm

San Antonio Water System Proposed Mains GIS Viewer

Mark T. Schnur

Aransas

Rain Gages, Radar Rainfall and GIS: Applying GIS to Rainfall Data Analysis

Joseph Molis & Leigh Cerda

Aransas

GIS Solutions Leveraging ArcGIS Server

Adam Pittman

Corpus A (till 4:30 pm)

**Maintaining the Assets of a City or County Using GIS & Cityworks
Computerized Maintenance Management System (CMMS)**

Brent Wilson

Corpus B

Why GIS Needs Surveyors & Vice Versa

Donny Sosa & Rene Garcia

Corpus C

Utilizing ArcGIS for EPA CMOM Program

Keenan Kearm

Laguna Madre

Working Smarter: Using Free Scripts for Everyday Automation

Joel Thompson

Laguna Madre

3:00 pm - 4:30 pm

GIS Available to the Masses – Implementing GIS for the Internet & Intranet

Sam Poliwoda

Aransas

**Network Analyst, Model Building and Python Scripting – the Pillars of Work
Orders Routing at City of Plano, Texas**

Georgeta Baciu

Aransas

GIS Solutions Leveraging ArcGIS Server (continued)

Adam Pittman

Corpus A (till 4:30 pm)

CPS Energy – An Enterprise Integrated GIS for Electric and Gas Utilities

James Trevino

Corpus B

Where the Rubber Hits the Road! An Industry Engagement Workshop

J. Scott Sires

Corpus C (till 5:00 pm)

GeoPDF Concepts & Solutions for Emergency Management Preparedness & Response

Jaymes Pardue

Laguna Madre

.....

Friday, April 11

9:00 am - 10:30 am

Customizations/Methods for Increasing Productivity for Non Programmers

Stephanie Long

Aransas

Workflow Management with the Job Tracking Extension & the Task Assistant Manager

Scott LoBue

Corpus A

ESRI Product Line: Putting It All Together

Stacia Canada

Corpus B

Developing an Enterprise GIS Database Maintenance Plan

Todd Alvis & Colby Free

Laguna Madre

Oklahoma County Assessor's Public Access/GIS Website

James Mallory

Laguna Madre

BUCCANEER BASIN

We would like to thank

Intermap, NTB, Penwell Mapsearch, and WDS for sponsoring this event.

Thursday Night Social

April 10, 2008

6:00pm to 10:00pm

Corpus Christi Science and
History Museum

Come join your fellow mateys
for dinner, drinks and seaworthy
conversation along side one of
the Columbus Ships!



Presentation Abstracts

Wednesday, April 9th

Session Track I 1:30 pm - 3:00 pm

Aransas

Real Time, Spatial Data Management for Environmental Site Assessments

Laura Carr, GISP & Jenny Palomino, CDM

Environmental site assessments determine whether remediation activities are required on a piece of property before development can occur. A streamlined field data collection process provides real time, spatial information to facilitate planning further investigative efforts. Utilizing a customized ArcPad interface in conjunction with digital data collection forms, environmental specialists have the ability to synchronize collected data to a centralized ArcSDE/SQL Server database directly from the field. Linking a web mapping application to the centralized database provides decision makers direct access to site assessment data and related GPS data. This presentation demonstrates a model for unifying field collection, database and web application tools into one process. The result: a powerful environmental data management system.

Corpus A

Using Industry-Defined Standards in GIS Technician Degree Programs

Dr. Phillip Davis, Del Mar College; Anne Dorsey, Texas Skill Standards Board

This session will describe the vigorous approach to validating academic program outcomes with industry-specified standards for the Geographic Information Systems (GIS) Technician degree. The workshop will detail the results of the year long process of creating and then meeting Texas Skill Standards Board (TSSB) standards to receive TSSB program recognition. The process is applicable to any technical or vocational program which strives to meet the needs of the workforce and industry that it serves. The overall TSSB process will be described briefly, the GIS Technician Skill Standards and how to incorporate them into curriculum will be reviewed, and a suggested implementation process for future programs will be made.

References:

1. <http://www.tssb.org/wwwpages/gis/index.htm>
2. <http://gistech.delmar.edu>

NOTE: Session runs from 1:30 pm to 3:30 pm

Corpus B

Planning and Implementation of a Large Scale Multi Agency GIS Day

Robert Wachal & Mark Lindsey, Denton County

The University of North Texas, Denton County, and numerous GIS departments from agencies and cities within the county hosted a GIS Day event at the university on November 14, 2008. The purpose of this endeavor was to deliver a greater awareness of what GIS means to the local and university communities. GIS Day brought GIS to over 1000 participants, including elementary school children visiting the Elm Fork Learning Center. There were several strategies used to promote and inspire participation. Some of these strategies included a Geography Wheel of Knowledge Game with over one thousand prizes for contestants, a grand prize entry, and door prize drawings multiple

times during the event. Also included were several Dallas - Fort Worth metroplex GIS firms that demonstrated industry applications and uses to students and local area residents, a map gallery with over fifty maps and posters showcasing organizations and businesses around the DFW area, and a student competition that focused on UNT GIS student projects and research. This event clearly demonstrated how multiple and diverse agencies can come together to host an extremely successful event on a limited budget.

.....

Enterprise Mapping with ArcGIS Server: Case Studies

Susan King, Geographic Information Services, Inc.

ArcGIS Server is the latest in server-based GIS technology from ESRI. As many organizations are preparing to take the plunge and migrate their applications to this platform, this presentation will offer four case studies of current implementations with ArcGIS Server. The discussion will include a description of each problem, the solution design and the reasoning behind the selection of this platform. Representing clients in both the federal and local government sectors, these projects span a wide range of complexities – from out-of-the-box implementation and web mapping to large-scale enterprise system design, application development and integration. Audience members will learn how ArcGIS Server is being used to effectively meet the mapping needs of other organizations; complementing their own server/application evaluations and decision-making.

Corpus C

CPS Energy – Integration Approach between SAP, WMIS & Designer

James Trevino, CPS Energy

CPS Energy has implemented an integrated enterprise GIS and Design Tool with their work management and ERP solutions for electric and gas distribution in San Antonio, Texas. This presentation will focus on the integration approach and benefits of making GIS Design Tool a central part of integration of work management and design for the nation's largest municipally owned energy company providing both natural gas and electric service. The presentation will overview the benefits gained through this integrated GIS approach with Logica's WMIS, including improved design standardization, reduced design versus construction variance, improved map and asset record accuracy and timeliness, reduced underground locate liability, and improved engineering analysis support.

.....

Work Management System and GIS, a Winning Combination

Fred Souza, City of Garland

Garland Water Utilities has completed a challenging three year strategic plan that has positioned the utility to become a technological leader in the support of field operations, office support, and GIS integration.

The Utility's Work Management System (WMS) was developed in 2004 as part of the department's 2003 -2006 strategic plan. System requirements resulted in the development of a wireless work order system that has maximized our resources, and increased field production.

Systems integration was a key factor in the development of our work management system (WMS). By selecting an approach to build on the existing GIS framework, the Utility utilized existing technology, expanded its use, and saved money at the same time. GIS web functionality provides water department employees (field crews, supervisors,

and administration personnel) with various options as to how they want to view spatial data. Key enhancements to the GIS system include an AVL (Automatic Vehicle Location) system, Redlining capabilities for field crews, and a GIS based Service Interruption Notification System.

Laguna Madre

Without Quality You Have No GIS

Teri Landrum, GISP, Jacobs Carter Burgess Water Infrastructure Programs

Quality Assurance and Quality Control are vital to the success of any GIS project. The term QA/QC is commonly used to define a variety of activities but rarely do those activities adequately accomplish the goal of this task. Simply, quality assurance is testing the GIS data to ensure that it is consistent, accurate and that users will have confidence in using it. When inconsistent results are found, the process that developed the GIS must be evaluated, modified and improved. Quality control is a system of routine technical activities implemented to measure and control the quality of the data as it is developed. QC procedures include data reviews, accuracy checks and using standardized procedures. Using the functionality, products and tools available in ArcGIS and third-party products, quality control can easily become part of your every day workflow. This presentation will provide useable tips for developing quality GIS data, demonstrate a few basic techniques and discuss some advanced procedures that the Jacobs Carter Burgess GIS Team has developed on several GIS data development projects.

.....

Oblique Imagery in Use with GIS Applications

Craig Witmer, Pictometry International Corporation

Recent advances in technology have brought a new paradigm in how we can view the world through imagery. Geo-referenced oblique aerial imagery opens the door to many new uses for GIS data, which were not possible in the past with traditional "straightdown" orthogonal imagery. This presentation will explore some of those uses, including 3D modeling, and also cover a technical overview on the capture process for this type of imagery. The presentation will also include a demonstration detailing the recent integration of oblique imagery into ArcGIS and ArcGIS Server applications and a discussion regarding the deployment of oblique imagery in Web based applications.

Session Track II 3:30 pm - 5:00 pm

Aransas

Developing a Storm Water Geodatabase for the City of Victoria, Texas

Nirav Shah, EI Technologies, LLC; Adrian Cañas, City of Victoria

In 2007, the City of Victoria contracted EI Technologies, LLC to design and develop a stormwater geodatabase from hardcopy maps and CADD (computer-aided drafting and design) data files. The source data included 175 maps and conversion resulted in a seamless geodatabase fully compliant with industry standards. This presentation will discuss how the City's geometric network requirements were met and EI Technologies' approach's geodatabase design and development.

EI Technologies began the project by creating an initial database design, followed by the development of a conceptual data model and then a physical data model using industry-standard tools. Detailed data modeling ensured that all information needed for infrastructure planning and maintenance would be available to field and office personnel.

The data models were validated in house and submitted to the City for review and approval. Essential to database modeling effort was a design that ensured compliance with the City's geometric network rules. The rules covered the intersections of stormwater mains and their joins to reducers and other connectors. Rules were validated using a customized GIS application that our technicians used to identify and fix data errors on the fly.

EI Technologies' detailed data modeling resulted in a comprehensive inventory of the City's stormwater assets for infrastructure planning and regulatory purposes such as GASB-34. The City also plans to use the data for surface water modeling (watershed) and workflow analysis as a stand alone tool and in CMMS integration.

Wastewater Master Planning with GIS to Optimize Resources

Santa Rivas, San Antonio Water System

The San Antonio Water System's (SAWS) Wastewater Master Planning group master plans with ArcGIS to Optimize Resources. In times of budget shortfalls a business must make the most of its funding resources, its human resources, and its capital resources.

At Wastewater Master Planning we employ the best tools available to come up with the best plan possible. Part of the plan is to coordinate in a more effective manner to reduce spending, to avoid duplication of efforts by more than one department or division within SAWS and to get the most out of the available technologies in which SAWS has invested a great deal of funds and training.

Coordination with the Governmental TXDOT Division, Replacements & improvements Division, Operations & Maintenance Engineering, Treatment & Recycle Engineering, Development Engineering and Program Planning allows SAWS to optimize its funding resources, its human resources, and its capital resources.

Corpus A

Building and managing effective ESRI Server applications using off-the-shelf software (COTS)

Darin Herle, Latitude Geographics; Colby Free, Bexar County; Michael Parma, City of New Braunfels; Joe Chapa, City of New Braunfels

ArcGIS Server and ArcIMS are powerful map server and server-based GIS platforms. Deploying them in the real world can be challenging even for accomplished developers. Join us for a presentation and panel discussion around the use of a COTS (Commercial off-the-shelf) approach to the development and management of ArcIMS and ArcGIS Server applications/installations. Case studies and sample applications will be presented for:

City of San Antonio
City of New Braunfels
Bexar County

Software shown in this presentation: ArcIMS, ArcGIS Server, Geocortex IMF, Geocortex Essentials

Corpus B

ArcGIS Server: An Overview

Gayatri Kesavamurthy, ESRI

This ESRI technical session will provide an overview of the architecture and licensing of ArcGIS Server technology. A brief insight into authoring, serving and using ArcGIS Server will be given. This session will provide an understanding of the different types of services and applications that can be leveraged with ArcGIS Server.

Corpus C

Advanced Functionality in ArcGIS Desktop 9.2

Ken Smith, ESRI

This session will look at exciting new functionality now available in ArcGIS 9.2. We will explore creating and working with terrain datasets, which are multi-resolution surfaces created from LIDAR or SONAR data. Cartographic representations will also be reviewed, which allow the storage of rules based symbology for features in the Geodatabase. Also new at ArcGIS 9.2 is animation, which allows us to visually see change of our data over time.

Laguna Madre

Enterprise GIS Integration: An Evolving, Leading-Edge Solution

Dawn Sowinski, Chickasaw Nation Department of GeoSpatial Information

The mission of the Chickasaw Nation Department of GeoSpatial Information is to develop, maintain and promote a quality Geographic Information System for the Chickasaw Nation and the Chickasaw people. Our vision is to:

- provide the essential infrastructure to share core geographic datasets through an accessible database among Chickasaw Nation employees with browsing abilities to the Chickasaw people and the general public;

- support efficient and effective decision making processes;

- support the Chickasaw Nation Service Area GIS users; and

- share technology, information, ideas and solutions.

The Department of GeoSpatial Information has completed several projects to accomplish these goals. Enhancement and development of quality GIS data has been achieved by correcting TIGER files to a scale of 1:1500, purchasing Pictometry high-resolution aerial imagery, and incorporating other data source information into our geodatabase. Data has been migrated into an Enterprise GIS, to allow data sharing from a centralized source. Data distribution and GIS promotion have been improved through: 1:) development and implementation of an ArcServer website, 2:) utilization of the Electronic Field Study application (EFS), 3:) providing training in GPS, EFS, and the ArcServer website, and 4:) advocating Chickasaw Nation GIS at GIS Day at the Capitol and SCAUG events. Through the continuing efforts of the GIS team, the Department of GeoSpatial Information will soon be in a position to achieve its goal of becoming a leader in tribal GIS for the state of Oklahoma.

Making Sense of Complicated Land Leases

Stephanie Long, CGI Group, Inc.

Mapping land leases in a two dimensional format becomes complicated when looking to detailed factors such as depth severances, expiration dates with possible extensions, mineral interest and more. Tackling this issue involves a combination of geoprocessing tools, custom labels, and varying symbology to reach the desired result of a map that gets the message across to the intended audience without causing confusion.

Thursday, April 10th
Session Track I 9:00 am to 10:30 am

Aransas

Implementing GIS on the Web for the Enterprise

Ali Diba, PhD, PE, Spatial Wave, Inc.

This paper discusses the use of GIS as an integration tool to combine and analyze data from many different sources in a typical water resources agency. GIS serves as an "executive dashboard" to access and view information from common water resources systems.

Large water resources agencies who manage complex and extensive infrastructure are facing the challenge of an ageing work force and a drain of knowledge base as employees retire while they are simultaneously dealing with continuous growth in construction into the foreseeable future. This leads to the problem with having to do more with less. So, they will be required to organize themselves in a manner that leads to higher efficiencies or automation. They can do this reducing the flow of paper documents and interfaces between personnel and departments and implementing easy to use storage and retrieval systems for maps, data, and documentation. They will also need to keep the costs of implementation of such systems under control and have them supportable into the future.

One area for serious consideration is enabling the work force to be more efficient in their daily workflows by sharing data across the enterprise on the web. This paper will discuss the implementation of GIS technology that integrates multiple enterprise databases with map data. The case of the Metropolitan Water District of Southern California enterprise GIS implementation, the single largest water utility in southern California, will be discussed to demonstrate the efficiency improvements that were obtained from this technology as well as the lessons learned from their experiences.

Implementing GIS for Enterprise Mobile Workflows

Ali Diba, PhD, PE, Spatial Wave, Inc.

Large organizations such as local governments and utilities who manage complex and extensive infrastructure are facing the challenge of an ageing work force and a drain of knowledge base as employees retire while they are simultaneously dealing with continuous growth in construction into the foreseeable future. This leads to the problem with having to do more with less. So, they will be required to organize themselves in a manner that leads to higher efficiencies or automation. They can do this reducing the flow of paper documents and interfaces between personnel and departments and implementing easy to use storage and retrieval systems for maps, data, and documentation. They will also need to keep the costs of implementation of such systems under control and have them supportable into the future.

One area for serious consideration is enabling the enterprise mobile work force to be more efficient in their daily workflows. This paper will discuss the implementation of mobile GIS technology that integrates multiple enterprise databases with map data. The case of the Irvine Ranch Water District implementation, a large water distribution utility, will be discussed to demonstrate the efficiency improvements that were obtained from this technology as well as the lessons learned from their experiences.

The audience will learn about the importance of automation within enterprise GIS, the process taken to get there, as well as the pitfalls.

Corpus A

Using Industry-Defined Standards in GIS Technician Degree Programs

Dr. Phillip Davis, Del Mar College; Anne Dorsey, Texas Skill Standards Board

This session will describe the vigorous approach to validating academic program outcomes with industry-specified standards for the Geographic Information Systems (GIS) Technician degree. The workshop will detail the results of the year long process of creating and then meeting Texas Skill Standards Board (TSSB) standards to receive TSSB program recognition. The process is applicable to any technical or vocational program which strives to meet the needs of the workforce and industry that it serves. The overall TSSB process will be described briefly, the GIS Technician Skill Standards and how to incorporate them into curriculum will be reviewed, and a suggested implementation process for future programs will be made.

References:

1. <http://www.tssb.org/wwwpages/gis/index.htm>
2. <http://gistech.delmar.edu>

NOTE: Session runs from 9:00 am to 11:00 am

Corpus B

ESRI's Business Geo-Demographics Solutions

Dennis Kaplan, ESRI

Government, utilities, and commercial organizations are increasingly aware of the potential and value locked away in their business data. While it is well known that 80 percent of all business data has a spatial component, there is less awareness of how to fully harness and exploit this asset. This session discusses ongoing developments in ESRI GIS technology to support spatially extended business processes.

The first half of this discussion will give you an overview of the commercially available data that ESRI creates or re-sells for many of the most common business functions such as site selection, customer analytics, market analysis, cannibalization, competitive analysis, and target marketing. In the second half of the discussion, we will dive deeper into examples of some of the business functions as well as describe the commercial sector solutions in the Business Analyst family of products (BA Desktop, BA Online, and BA Server).

Corpus C

ESRI Authorized Training Program (ATP)

Ken Smith & Stacia Canaday, ESRI

All existing ESRI Authorized Instructors are encouraged to attend this session given by the regional ATP Coordinator and Training Coordinator. We will discuss new courses coming to the ATP and the requirements to apply for authorization on each. We will also discuss the curriculum changes and authorization upgrade requirements coming soon to our ArcGIS Desktop courses.

Laguna Madre

Building Regional Datasets to Improve Public Safety and Economic Development

Johnny Brown, Geospatial Applications Specialist II; P.R. Blackwell, Assistant Director Operations; Darrel McDonald, Assistant Director Education and Training Columbia Center,

Stephen F. Austin State University; Kevin Mulligan, Associate Professor Geography Texas Tech University

The Columbia Regional Geospatial Service Center System (CRGSCS) includes four centers located at Stephen F. Austin State University, University of Texas at El Paso, Texas Tech University and Lamar University. The units are deploying a model for the national to create regional hubs for data collection, emergency response, field and mobile applications as well as providing integrated modules for training and education.

Recent regional disasters in the Gulf Coast area have generated critical discussions that have identified needs for systematic data warehousing, availability, accessibility and delivery. In addition, Texas agencies have initiated projects to capture updated and verified critical infrastructure datasets to meet emergency mandates. Currently the CRGSCS is involved in several of these important projects, particularly building datasets about electricity and water distribution networks to be utilized by state agencies. This important challenge is working with private, and public private data sources, such as utilities, corporate land managers, and agencies with data access restrictions to provide data that emergency management groups will need to carry out effective response and recovery operations. The CRGSCS is approaching these challenges from two directions. Firstly, the Center is building confidence with local and regional entities through outreach programs and MOUs. The first method emphasizes that data resources available to the general public, including private groups from the System's fail-over replicated data model for regional data warehousing are of the most current and accurate information available. In addition, the Center is able to, through its strategically located system partners, provide data backup through redundancy that can be called upon if any one center is taken out of operations during an incident. The other method is to work with groups that have proprietary or sensitive data by engaging them in MOUs that strictly control data access but allows use for specified incidents. Current training focuses providing Texas Military Forces, particularly the Texas State Guard with updated geospatial technology experiences and domestic response activities.

Session Track II 1:00 pm to 2:30 pm

Aransas

San Antonio Water System Proposed Mains GIS Viewer

Mark T. Schnur, San Antonio Water System

The San Antonio Water System created a tool to view proposed water and wastewater mains using GIS. The purpose of the viewer is to enable engineers and planners to visualize proposed water and sewer mains and avoid overlapping or redundant projects.

The Proposed Mains GIS Viewer maps proposed water, wastewater, and recycled water mains over the next five years. The projects come from various sources, including SAWS master plans, developer plans reviewed by SAWS, capital improvement projects, and utility service agreements. Base maps of Bexar County, City Council districts, major highways, and city streets are included for reference.

The viewer runs in ArcReader, and is available to all SAWS staff. The application was created and is maintained in ArcGIS 9.2. Data sources reside in ArcSDE and are updated constantly.

Project status can be obtained for most proposed mains by clicking on the mapped project with the ArcReader Identify button. A table appears showing the fields in the database with information on that project. As-built, inspection data, and project status is linked from various databases.

Users can also search, measure distance, and draw on the map. Layers can be turned on

or off, and the map can be panned and zoomed. The map can be used to make graphics for presentations. Future plans are to upgrade the viewer to run in ArcIMS on the internal web.

Rain Gages, Radar Rainfall and GIS: Applying GIS to Rainfall Data Analysis

Joseph Molis, GISP, & Leigh Cerda, P.E., GSWW, Inc.

Monitoring rainfall is a key component to the study of a collection system's response to wet weather. Traditionally, simple rainfall recorders have been placed at selected monitoring points throughout the collection system study area, resulting in point features representing rainfall measurements over the entire area. The accuracy of the rainfall measurement improves through the use of polygonal radar rainfall data calibrated by rainfall gage point data. Through the application of spatial analysis, rainfall gages are strategically placed, and calibrated radar rainfall data is spatially associated and mathematically weighted within the study area.

Corpus A

GIS Solutions Leveraging ArcGIS Server

Adam Pittman, ESRI

This session will encompass the complete ArcGIS Server technology suite. You will learn what ArcGIS Server is and how the product can be used to publish content, services, and mobile solutions using the Microsoft .NET Framework.

NOTE: Session runs from 1:00pm - 4:30pm

Corpus B

Maintaining The Assets Of A City Or County Using GIS And Cityworks Computerized Maintenance Management System (CMMS)

Brent Wilson, Azteca Systems, Inc.

This presentation illustrates the possible uses of GIS and CMMS in an overall city or county environment. GIS combined with work order management can be a very powerful tool and the approach presented in this paper illustrates the long-term benefits of an on-going GIS-centric work order maintenance management program. A number of case studies will be shown including Gulfport, MS and the effects of Hurricane Katrina before and after.

The paper also addresses a city or county's need to have a Work Management System with full GIS integrations. Not only for the everyday benefits of cost savings and better management, but also for disaster repair and recovery situations and reporting to FEMA or other agencies quickly and accurately.

Software shown in presentation will include: ArcEditor, ArcEngine, and Cityworks.

Corpus C

Why GIS Needs Surveyors & Vice Versa

Donny Soşa, ESRI & Rene Garcia, Digital Mapping Services

GIS is a technology that continues to blend professional disciplines and cultures together. GIS topics such as certification, accuracy, and usage have found their way to panel discussions, public debates, and dinner conversations around the country since

its introduction in the late 60's and continues to the present day. This presentation will discuss the commonalities between Land Surveying (one of the oldest practices in human history) and GIS and how the two professions fuel each other.

Laguna Madre

Utilizing ArcGIS for EPA CMOM Program

Keenan G. Kearn, CDM

The US Environmental Protection Agency (EPA) has made it a goal to drastically reduce the number of sanitary sewer overflows (SSO) that occur as a result of failures within a municipal wastewater system. Sanitary sewer overflows pose great a health threat to humans and riverine ecosystems. The vast majority of SSO's are the result of insufficient sewer design and inadequate sewer maintenance. To combat such sanitary sewer insufficiencies, the EPA has developed the Capacity, Management, Operations and Maintenance (CMOM) program. In order to adhere to the CMOM program, municipalities must report self-assessments to the EPA.

The purpose of this presentation is to demonstrate the value of utilizing ArcGIS for sanitary sewer inventory and attribution. A complete inventory and attribution of all features in a sanitary sewer network is vital to making informed decisions in the CMOM program. This paper will show how data such as as-builts and design plans can be migrated into the GIS environment. In addition to sewer design, ongoing maintenance can be documented and future maintenance goals and procedures can be determined. ArcGIS can be utilized to make informed sanitary sewer design and maintenance decisions, with the ultimate goal of completely eliminating instances of sanitary sewer overflow. This presentation will show how an accurate inventory of sewer features can create quantitative data for reporting to the EPA for compliance with the CMOM program.

.....

Working smarter: Using Free Scripts for Everyday Automation.

Joel Thompson, CDM

Adding custom scripts to the standard ArcGIS toolset increases the efficiency of numerous processes. Automation can be accomplished with code available for free on GIS user forums. Examples include batch projection of raster datasets, mass field creation and population, as well as work map production and exportation. This presentation will look at the process of taking freely available VBA scripts, and turning them into dynamic solutions for everyday ArcGIS inefficiencies. Incorporating a custom script with a particular application can seem like a daunting task, but it involves little more than pasting code, pointing variables, and adding new buttons and toolbars. Modifying other user's creations is also an excellent segue into custom program development.

If there is a procedure that seems redundant, there is a good chance that someone has already written the code to streamline it. Specifically, out of the box ArcToolbox does not provide batch projection definition functionality. This presentation will demonstrate how to navigate <http://arcscrips.esri.com/> to find the script capable of defining the projection of every selected raster in ArcCatalog's contents tab and the process for bringing that script into an existing ArcGIS document.

Session Track III 3:00 pm to 4:30 pm

Aransas

Making GIS Available to the Masses – Implementing GIS for the Internet & Intranet

Sam Poliwoda, Orion Technology Inc.

Orion Technology Inc. is a product development and integration company, specializing in web-GIS solutions which are sold as extensions to ESRI's ArcIMS, ArcSDE and ArcGIS server which now offer organizations even greater flexibility with increased functionality while still providing the ability for the "non-programmer" to setup and maintain a complete Internet / Intranet site(s). In this presentation, we'll discuss how we helped organizations with their Web-GIS Requirements.

Network Analyst, Model Building and Python Scripting – the Pillars of Work Orders Routing at City of Plano, Texas

Georgeta Baciu, City of Plano

Plano Customer and Utility Billing Department receives on average about 27,000 work orders per year; these work orders include new water connects, final meter read, read only or reconnect after cut-off due to non-payment. On average, in 2007 there were 105 work orders daily, with a minimum of 39 and a maximum of 311 work orders on a single day. In this context, the goals were to reduce paper consumption due to daily work orders printing, and to make available to the field crew members efficient routes that will save both time and money.

GIS proved the right tool in solving these problems by routing the work orders with shortest distance, mapping the results, generating routing summary reports, and... most importantly, by doing all this without human interference. Combining the tools available in Network Analyst extension with Model Building creates a powerful solution to a very complex routing problem, and a reliable tool that can be used repeatedly with the least effort. In addition, this tool can be run automatically on a predefined schedule using a Python script that can even load the results into ArcSDE, from where they can be used in an online mapping application. The field crew members do not need to have GIS knowledge; they only need a laptop with an internet connection to be able to access the information they want: maps, routes, stops sequence and detailed work orders information. This presentation will show how these components are combined together to provide a dependable solution, how the results can be explored and used, and what would be the future improvements to the current solution.

Corpus B

CPS Energy – An Enterprise Integrated GIS for Electric and Gas Utilities

James Trevino, CPS Energy

CPS Energy is the nation's largest municipally owned energy company providing both natural gas and electric service. CPS Energy is in the final phases of successfully implementing an integrated enterprise GIS and Outage Management solution for electric transmission and electric and gas distribution in the San Antonio area. This presentation will focus on the integration approach rational and benefits of making GIS a central part of integration of the enterprise architect for work management, outage management, design, and planned maintenance. The presentation will give an overview of the project successes and challenges and the benefits gained through this integrated GIS approach using examples from the gas business unit and how they manage their maintenance process and regulatory compliance using the Enterprise GIS. The presentation will also outline short and long term strategies of GIS into the CPS Energy Corporation.

Corpus C

Where the Rubber Hits the Road! An Industry Engagement Workshop

J. Scott Sires, Brookhaven College/EMGI

By now you may have heard of the TSSB (the Texas Skills Standards Board; of the Governor's Office). And perhaps you have heard even of the new GIS Technician Standard. The Standard is the ruler we created. It is a collection of criteria with which our industry defines a GIS Technician's functions, key activities and performance factors. What is even better is the benefit realized by Community College programs that prepare GIS Technicians for the workforce; a Community College validates their curriculum by criss-crossing course outcomes to the Standard's criteria. We will briefly discuss how such a standard helps define a foundation on which educators, trainers, students, the industry and employee's can build.

In this 2-hour technical review workshop attendees will participate in the validation of Brookhaven College's (BHC) Advisory Committee Review of our TSSB GIS Technician alignment project. The TSSB Standard focuses on 6 core GIS courses (GIS core). After general instructions attendees will breakout into small review groups where, using a provided template, the BHC GIS core (syllabi, assessments, required texts and other such resources) will be reviewed. Your review templates will be collected and your comments incorporated into BHC's alignment project. Workshop attendees will be cited as industry peer reviewers to BHC's TSSB alignment project. As an added value the workshop will capture attendee's reflections and comments about the TSSB Standard and today's involvement in it. And, in the end, you get to have a voice in the preparation of our future workforce.

NOTE: Session runs from 3:00 pm - 5:00 pm

Laguna Madre

GeoPDF Concepts and Solutions for Emergency Management Preparedness and Response

Jaymes Pardue, TerraGo Technologies

As the demand for geospatial data in the field continues to increase, the GeoPDF file format is pioneering digital data workflows that bridge the technology divide between geospatial professionals and non-GIS enabled staff. The biggest barrier facing emergency responders today is the inability to receive and use geospatial data. In today's information age it is not enough that our geospatial data is accurate, readable and understandable. Today, geospatial data must also be accessible and useable.

The GeoPDF file format leverages the Adobe portable document formatting (PDF) standard to allow geospatial users to convert geospatial data from popular GIS systems into a file that is geospatially active. A map exported into a GeoPDF file contains all of the geospatial information including coordinate systems, layered features and attribute data that are available in a typical GIS. GeoPDF files can be easily distributed and used by virtually anyone in a secure and manageable environment that is free to the user. This presentation will explore the GeoPDF dynamic of the publication, distribution and collaboration of vector and raster data in an emergency response workflow. Recent GeoPDF case studies from police, fire and other responders will be presented and discussed.

Friday, April 11th
Session Track I 9:00 am to 10:30 am

Aransas

Customizations and Methods for Increasing Productivity for Non Programmers

Stephanie Long, CGI Group, Inc.

Programming knowledge is not necessary for users of ArcGIS to get more out of their software. Increasing productivity in ArcGIS is easily accomplished through simple customizations and free methods provided by ESRI and other companies. This includes simple customizations to the interface, helpful toolbars, models, keyboard shortcuts, arcscripts, and free third party extensions to make the users life easier. Some examples to explore are: custom VBA formulas for Field Calculator, exporting data to KML format, creating custom symbols and color ramps, using models to run repetitive tasks, keyboard shortcuts for moving around the interface, not so common toolbar tools, viewing TerraServer and Virtual Earth data without leaving ArcMap, and more. Taking the time to explore these available options can help increase productivity when it comes to using ArcGIS.

Corpus A

Workflow Management with the Job Tracking Extension and the Task Assistant Manager

Scott LoBue, ESRI

Job Tracking for ArcGIS (JTX) is a workflow management application designed to improve the efficiency of any multiuser GIS project. JTX provides advanced job tracking and workflow management tools to help your organization save time and money. The Task Assistant Manager allows you to create step-by-step instructions for performing various GIS tasks or workflow processes and to standardize the completion of a task. These tasks can then be used to assist other GIS users in quickly and correctly completing those GIS workflows.

Corpus B

ESRI Product Line: Putting It All Together

Stacia Canaday, ESRI

ESRI offers many different products and solutions; it can often be difficult to determine what solutions fit your specific needs. This session will describe many of ESRI's products in a simple, non-technical way and use situational examples to help you feel confident choosing the best product for your organization.

Laguna Madre

Developing an Enterprise GIS Database Maintenance Plan

Todd Alvis & Colby Free, Bexar County

GIS enterprise database maintenance can prove to be cumbersome and enigmatic,

especially for GIS professionals with little DBA experience. With that in mind, the Bexar County GIS Division set out to develop a simple but intuitive database maintenance plan that would introduce a proactive approach in maintaining the enterprise GIS database, and at the same time, increase its efficiency, integrity, and insure continuity. This presentation will highlight the authoring of the Bexar County GIS enterprise database maintenance plan discussing the identification of the maintenance requirements and the implementation of related solutions. The plan is a work in progress that currently encompasses database measures or procedures offered by ESRI, Oracle and associated communities.

.....

Oklahoma County Assessor's Public Access / GIS Website

James Mallory, Oklahoma County Assessor's Office

Access to GIS maps, aerials, property descriptions, building attributes, sales info and other assessment data is crucial for the use of local Governments and the community in regards to emergency management, planning, economic development, real estate trends, ownership information and more. By integrating our CAMA (Computer Assisted Mass Appraisal) data with our GIS data and creating a public access system and ArcIms site that communicates securely and in real time with "live" data, our users can now access this information anytime anywhere on the internet. Users have access to numerous GIS layers, including parcel data, political districts, orthophotos, floodplains, railroad, street layers and more. Advanced applications allow our users to query property data from any layer with options to extract both CAMA and GIS data. Other features include linking to Microsoft Virtual Earth / Google Earth and Yahoo Maps as well as an option for GIS users to upload their on data.

Upcoming Events

Oklahoma

JOIN US IN OKLAHOMA

11th Annual OK SCAUG Conference

September 30, 2008

Moore Norman Technology Center

Oklahoma City, OK

Conference Registration: \$60 for non

member / \$30 for SCAUG members

For more information contact Katy Rich at katyr@health.ok.gov



Texas

SAVE THE DATE

19th Annual South Central Arc User Group
Conference

March 29, 2009 – April 3, 2009

Austin, Texas



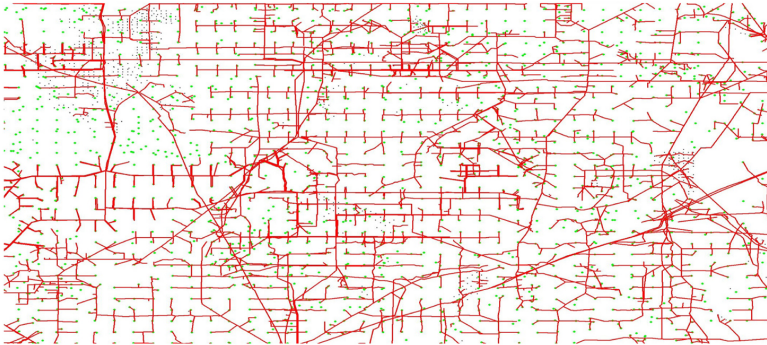
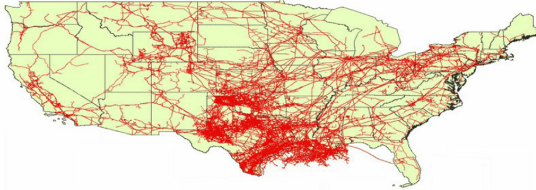
Radisson Hotel & Suites Austin – Town Lake

Conference Rate for Single/Double - \$129



**DIGITAL DATA, CONSULTING AND
HARDWARE FOR GIS AND MAPPING**

NATIONAL PIPELINE DATASET



**OKLAHOMA HIGH RESOLUTION PIPELINES
TEXAS COUNTY, OKLAHOMA**

HTSI, INC. IS A PROVIDER OF GIS DATA, GIS CONSULTING, COMPUTER HARDWARE FOR GIS, MAPS, A FULL RANGE OF SCANNING SERVICES AND TECHNOLOGY SERVICES TO A BROAD RANGE OF MARKETS AND CUSTOMERS.

HTSI offers our "Complete County Data" data online for immediate purchase and download.

HTSI, INC. P.O. Box 232 Kemah, Texas 77565-0232

866-585-0706 Toll Free • 713-893-6193 Phone

713-893-6205 Fax

WWW.HTSIDATA.COM

fhild@htsidata.com



The NEXTMap® USA 3D mapping program from Intermap Technologies™ sets the industry standard for uniform, high-resolution mapping and digital geometric modeling on a countrywide scale.

Visit the Intermap booth to learn more.

www.Intermap.com

About us



Your Survey Equipment Rental and Sales Headquarters

Western Data Systems' vast inventory offers you global positioning systems for rent or sale:

- GPS Mapping
- GPS Surveying
- GPS Machine Control
- GPS Construction Instruments
- Optical Total Stations

We are an authorized Trimble GPS equipment dealer.

Other outstanding GPS products are available for all your field applications and office data management. The Products and GPS Rentals links have a complete listing of our Trimble GPS equipment and other fine products.

Training is available for all equipment. Our service and repair professionals stand ready to keep you on the job.

Western Data Systems does not perform any GPS survey or GPS field work ... we are not your competition. By far the most satisfying part of our job is to keep you working with the right equipment every time.

New ESRI Licensing Program for Small Municipalities and Counties

ESRI now offers a Small Municipal and County Government Enterprise License Agreement (ELA) Program that allows unlimited deployments of ESRI ArcGIS software to municipalities and counties in the United States.

The ELA Program is open to city, county, village, and town governments in the United States with populations of 100,000 or less. Benefits to these organizations include

- ▶ Updated versions of GIS software to provide a consistent platform
- ▶ Flexible deployments to desktops, servers, and mobile devices
- ▶ Opportunities to consolidate GIS and IT initiatives, establish internal standards, and integrate ESRI business partner solutions
- ▶ Ability to incorporate GIS into mission-critical applications and workflows

The core technology for the ELA is ESRI's ArcGIS software, which is an open and interoperable technology platform that provides advanced visualization and cartographic capabilities, spatial analysis, geographic data management, and more.

For more information about this new program, please call the ESRI San Antonio Regional Office at (210) 499-1044.





Implementing Enterprise GIS for the Internet & Intranet

Over 100 clients in 16 countries and growing.

Visit us at our booth





MAPSearch

A PennWell Company



MAPSearch is the most trusted and utilized provider of GIS data to the petroleum industry.

MAPSearch tracks pipelines and corresponding facilities for all of North America and provides this information in a mappable format for users to conduct their own analysis. By staying abreast of developments in the pipeline industry, MAPSearch provides clients with the information necessary to analyze and evaluate North American pipeline infrastructure.

For more information please review our product offerings at www.mapsearch.com or contact us directly at 800-823-6277.



WebMaps
Enterprise GIS



Spatial Search



Post-It



Layer Wizard

GSI... *(no, it's not misspelled!)*

Premier GIS Software, Services and Solutions

For over a decade, Geodynamic Solutions, Inc (GSI) has specialized in the design, development, implementation and training of enterprise-wide geospatial applications built upon the full suite of world-leading geographic information system (GIS) technology from Environmental Systems Research Institute, Inc. (ESRI).

- Enterprise and Desktop Products
- Custom Application Development
- Consulting Services
- Strategy & Planning
- Map Development Services
(Over 30 mappers on staff)
- Training
- Staff Augmentation

2600 South Gessner, Suite 420
Houston, Texas 77063
713.690.4812
www.geodynamic.com



Jumpstart your ArcGIS Server projects



Geocortex Essentials accelerates real-world success with ArcGIS Server and the .NET Web ADF

Engineered from the ground-up for ESRI's ArcGIS Server and the .NET Web ADF, Latitude Geographics is proud to offer Geocortex Essentials for ArcGIS Server.

Jumpstart your ArcGIS Server implementations with our out-of-the-box viewer tools and features, a web-based site management application, and a framework for managing multiple viewer applications.

Our Geocortex R&D team works on the frontiers of ESRI's server products to identify and resolve challenges likely to be encountered by partners and clients in the real-world. Combined with supplemental tools and features, we package these solutions into off-the-shelf software products that help ensure rapid, trouble-free real-world development and deployment.

Contact us or visit www.geocortex.com/essentials to learn more.

© 2008 Latitude Geographics Group Ltd.



Midwest A&E Mobile GIS Solutions

OFFERING COMPLETE SOLUTIONS

**Desktop Software • Mobile Hardware/Software
Training and Support Services**

**400 North Grove Road • Richardson, Texas 75081
(800) 442-5327 (972) 783-2706
<http://www.midwestsurveyors.com>**

real vision

Inspiring reality

Can you see it?

The community where people live, work, and play – without cars ... a park where a landfill once operated ... a bike trail on an abandoned railroad?

PBS&J turns visions like these into reality every day. And while the talent and experience of our team are important, it's how we do business – listening to our clients and collaborating with respect and trust – that elevates our projects from just good ... to inspired.

Visualize the future. Then call PBS&J.

Offices throughout the US
pbsj.com • 800.477.7275



PINNACLE

MAPPING TECHNOLOGIES, INC.

TOPOGRAPHIC IS YOUR SOURCE FOR GIS

Your GIS Data Source:

- + Land Grid - PLS
- + Culture Data
- + Aerial Photography
- + Topographic and County Maps

Your GIS Services Source:

- + GPS Services
- + Scanning and Digitizing
- + Geo-Referencing Map Images
- + GIS Needs Analysis, Strategic Plan and Implementation

Your GIS Software Source:

- + Business Partner - Value Added Reseller since 1993
- + ArcGIS 9.2 Available Now!

TOPOGRAPHIC

SURVEYING • MAPPING • GIS • GPS

6709 North Classen Blvd.
Oklahoma City, OK 73116

Topographic Mapping Company
www.topographic.com

(405) 843-4847
(800) 654-3219

Cityworks

AZTECA SYSTEMS, INC.

GIS - Centric Asset Maintenance Management

CarteGraph

Better Government



DIGITAL MAPPING S E R V I C E S

"Utilities, Water & Energy Specialists"

- GIS Implementation Services
- Subsurface Utility Mapping
- 3D Laser Scanning/HDS
- Base Map Data/Map Books
- Data Conversion
- Digital Aerial Mapping

Corpus Christi Office

5151 Flynn Parkway, #108
Corpus Christi, TX 78411

Office (361) 888-5676
Fax (361) 888-5499

www.dmslp.com

Fort Worth Office

9601 Camp Bowie West
Ft. Worth, TX 76116

Office (817) 560-8300
Fax (817) 292-7601



listen. think. deliver.

CDM.

www.cdm.com

777 Taylor Street, Suite 1050

Fort Worth, Texas 76102

tel: 817 332-8727 fax: 817 332-6870

consulting • engineering • construction • operations

EI Technologies, LLC is a full-service GIS consulting company that has been providing high-quality GIS data and applications, and excellent customer service to local, state, and federal government agencies and other industries since 1992.

ESRI Development Partner

Microsoft Business Partner

More than 200
successful
GIS projects

EI Technologies, LLC

Envision it

Plan it



©

Implement it

GSA Schedule 899

EI Technologies, LLC
19750 E. Parker Square Drive
Suite 100
Parker, CO 80134
(720) 851-1717 Voice
(720) 851-5550 Fax

Our services include

ArcGIS/ArcSDE Implementation
GIS Data Conversion/Migration
Needs Assessment and Implementation Planning
Customized Applications Design and Development
Geodatabase Design and Development
Systems Integration
IT Security Assessment
Project Management
Training and Technical Support
Web Development and Hosting

AGTS, LLC
255 S. Denton Tap Road
Suite 200
Coppell, Texas 75019
(972) 745-3444 Voice
(972) 745-3339 Fax

info@eitek.com
www.eitek.com



Corpus Christi ★ Fort Worth ★ Midland

Toll Free: 1-866-505-8044

www.frontiersurveying.com

Serving Texas for 30 Years

★ GIS Mapping ★

Boundary & Surface Surveys

Oil & Gas Well Staking

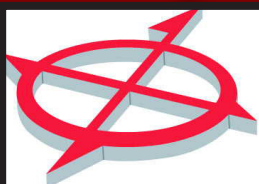
★ Pipeline Surveys ★

Topographic ★ Hydrographic

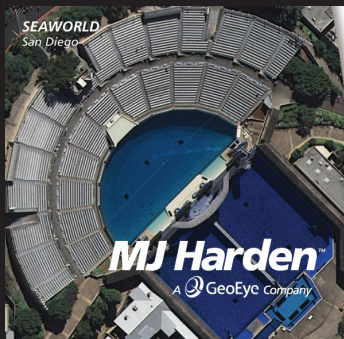
WOB ★ HUB ★ DBF



We bring people
and technology
together



Pictometry®
Visual Intelligence™



Pixel perfect. Whether you are engineering for growth and progress or updating existing GIS data, MJ Harden gives you the many advantages of the best geospatial technologies available.

- ▶ HIGH RESOLUTION, MULTISPECTRAL DIGITAL AERIAL IMAGING
- ▶ ADVANCED LIDAR DATA CAPTURE AND PROCESSING
- ▶ ORTHOPHOTOGRAPHY AND PHOTOGRAMMETRIC MAPPING
- ▶ GIS CONSULTING, DEVELOPMENT AND IMPLEMENTATION

MJ Harden Associates, Inc.

5700 Broadmoor Street Suite 800 Mission, Kansas 66202
913.981.9600 fax 913.981.9602 www.mjharden.com



NTB Associates, Inc.

Engineers • Surveyors • GIS



ESRI
Technology
AUTHORIZED
BUSINESS PARTNER

GIS Services Include:

- Project Design and Management
- Database Development and Management
- Data Conversion and Creation
- Custom Software Development
- Data Analysis
- Hardware/Software Needs Assessment and Installation
- ArcIMS/ArcServer Design, Development and Implementation
- ESRI Authorized Training

Dallas, TX • Shreveport, LA • Little Rock, AR • Fort Worth, TX • Baton Rouge, LA

214.954.4495 • www.ntbainc.com



P2 Energy Solutions, Inc.
1355 Central Parkway South, Suite 500
San Antonio, Texas 78232

Tobin Photogrammetric Services Include:

- Aerial Photography
- Historical Photo Archive
- Field Survey and Airborne GPS
- LiDAR Acquisition and Processing
- DTM/DEM Compilation
- Digital Orthophotography
- Contour and Planimetric Mapping
- Data Conversion
- GIS Software and Services
- Tobin® Map Data Products

800.365.4484 • sales@p2es.com • www.p2es.com

RazorTek

Sharpen Your Technology



Sidwell:

developing solutions...delivering results.

Comprehensive GIS, photogrammetry and mapping solutions for local government.

675 Sidwell Court • St. Charles, IL 60174

877.SIDWELL (877.743.9355)

www.sidwellco.com • www.ParcelBuilder.com



GIS Enable your Office

GIS Enable your Field

Spatial Wave, Inc. focuses on delivering high-quality, innovative software products to customers seeking to maximize the benefit from their investment in GIS. These GIS-enabled products bring the benefits of GIS, as well as easy access to their critical operations data, to automate business workflows both in the office and in the field.



map **intelligence**
at your fingertips

GIS Implementation Services

972.881.1858

www.trueautomation.com



True Automation



How will you respond?

Utilizing the GeoPDF format, you can take action now and speed decision-making by prepackaging geospatial datasets for first responders, leaving GIS analysts free to make critical updates as a crisis unfolds. Visit www.terragotech.com

TerraGo®
TECHNOLOGIES

GeoPDF®

TEACHMEGIS.COM

G I S T R A I N I N G C E N T E R

<http://www.TeachMeGIS.com>

GIS Training, Consulting, and Software Sales

An ESRI Authorized Partner Education Center Offering GIS Training since 1997. With our team of 9 ESRI Authorized Trainers, we offer courses in Houston, Dallas, Baton Rouge, New Orleans and Alexandria.

Call us if you would like a GIS course taught in your city or your office!

Check our website for a current course list and calendar.



info@TeachMeGIS.com • (713) 278-7883

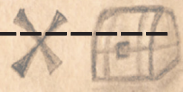
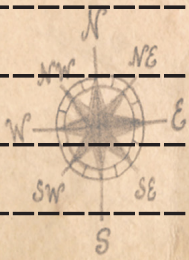
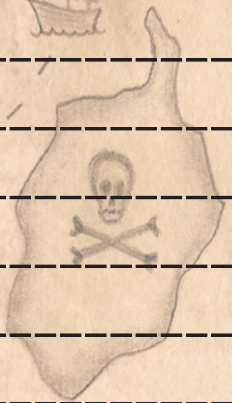
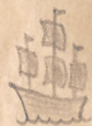
Thank you to these sponsors. ♦ ♦

Opening Breakfast: HTSI

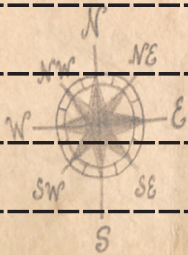
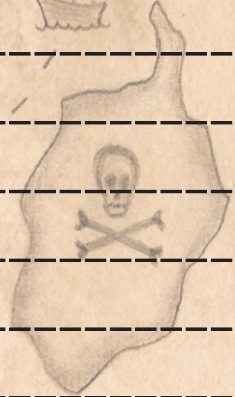
Breaks: NTB

Vendor Reception: CDM, DIGITAL MAPPING SERVICES, GEODYNAMICS, LATITUDE GEOGRAPHICS, MIDWEST SURVEYORS, PBS&J, PINNACLE, TOPOGRAPHIC MAPPING, AND TRUE AUTOMATION

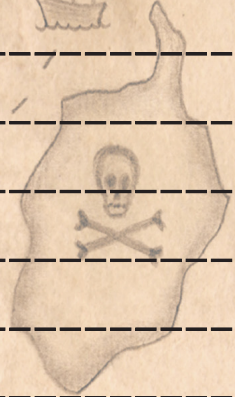
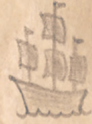
NOTES



NOTES



NOTES



2008 REGIONAL SCAUG CONFERENCE GISP CREDIT CHECKLIST

1 Day NON ESRI Training (8 hour) Classification Credit Credits Earned

Introduction to ArcPad _____ EDU 0.2 _____

Training Instructor: _____ EDU 3.0 _____

(Training Certificate required for documentation credit)

2 Day ESRI Authorized Training (16 hour) Classification Credit Credits Earned

Managing Cartographic Data in the Geodatabase _____ EDU 0.4 _____

Introduction to ArcGIS Image Server _____ EDU 0.4 _____

Introduction to ArcGIS Server _____ EDU 0.4 _____

QA/QC of GIS Data _____ EDU 0.4 _____

Introduction to Multiuser Geodatabase _____ EDU 0.4 _____

Training Instructor: _____ EDU 3.0 _____

(Training Certificate required for documentation credit)

3 Day 08 Regional SCAUG Conference in Corpus Christi, TX (24 hour) Classification Credit Credits Earned

Attendee: _____ EDU 0.3 _____

Presenter: _____ CON 1.0 _____

(1 point per instance)

Poster Competition: _____ CON 1.0 _____

Mapbook Competition : _____ CON 1.0 _____

Application Competition: _____ CON 1.0 _____

Poster Award Winner: _____ CON 2.0 _____

Mapbook Award Winner : _____ CON 2.0 _____

Application Award Winner: _____ CON 2.0 _____

Total GISP Credits Earned: _____

