2009

South Central Arc User Group

19th Annual User Conference

Austin, TX

March 30 - April 3, 2009

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OK Rep: Charles E. Brady ,City of Ardmore
STX Rep: Deven Rohrer, PBS&J
ESRI Rep: Stacia Canaday, ESRI

Dear Colleagues,

Welcome to the 19th Annual South Central Arc User Group (SCAUG) conference in Austin, Texas and what I hope will be an exciting and inspiring three days of discussions about something important to all of us – Geographic Information Systems (GIS).

The Conference Coordinator and organizing committee have been working diligently over the past year to bring you an extensive program of presentations, workshops and discussions on both GIS and related technologies.

This year's theme – GIS ROCKS was selected to represent the driving force within agencies to do more with less. Today's economic issues surrounding budgets both in public and private are pushing agencies to leverage technology like GIS. As stewards of GIS not only do we provide information and data but the visual link to make sense of it all.

Continuing efforts from last year – SCAUG increased its membership by 8%, with the addition of the Metroplex Arc User Group and Rio Grand Valley Arc User Group as Sub-Chapters. SCAUG also released a new website. Additional enhancements will be made over the next few months to provide increased features for members. SCAUG also maintains a GIS Forum to allow members to discuss and share GIS related information. Members will be polled and surveyed over the next year to continue to improve services.

In 2010 SCAUG celebrates its 20th anniversary as one of the finest Regional User Groups. I hope that you take the opportunity to join us in Ft. Worth, Texas for what will be a special and exciting conference.

Learning about GIS is only a fraction of what makes SCAUG conferences so special. The opportunity to share your experiences, knowledge and most importantly each other brings our GIS community that much closer. It helps all of us to continue striving to raise the bar for SCAUG as an organization. The SCAUG approach is one that emphasizes a community approach and a spirit of collaboration. I hope that this spirit is strongly evident at this year's conference.

Sincerely,

Joe R. Chapa

Joe R. Chapa, GISP

General Agenda

MONDAY, MARCH 30TH 2009

8:30am to 12:00pm	Realtime Weather for GIS	Lakeview
8:30am to 5:00pm	ArcGIS Server Enterprise Configuration & Tuning for SQL Server	Old Pecan Street
8:30am to 5:00pm	Introduction to ArcGIS Server	The Skyline
8:30am to 5:00pm	ArcGIS Desktop III: GIS Workflows and Analysis	Treaty Oak

TUESDAY, MARCH 31ST 2009

9:30am to 12:00pm	The GISCI Certification Program for GIS Professionals	Lakeview
8:30am to 5:00pm	ArcGIS Server Enterprise Configuration & Tuning for SQL Server	Old Pecan Street
8:30am to 5:00pm	Introduction to ArcGIS Server	The Skyline
8:30am to 5:00pm	ArcGIS Desktop III: GIS Workflows and Analysis	Treaty Oak
4:00pm to 7:00pm	Poolside Meet & Greet	Pool Deck

WEDNESDAY, APRIL 1ST 2009

8:00am to 10:30am	Opening Breakfast & SCAUG Business	Town Lake Ballroom
10:45am to 12:00pm	Plenary Session – ArcGIS 9.3.1	Town Lake Ballroom
12:00pm to 1:30pm	Lunch On Your Own - (Check Guide for Discounts)	
1:30pm to 2:30pm	Session Track I	2nd Floor
2:45pm to 3:45pm	Session Track II	2nd Floor
4:00pm to 5:00pm	Session Track III	2nd Floor
5:00pm to 6:30pm	NTB Associates, Inc. Happy Hour Social	Check Guide

THURSDAY, APRIL 2ND 2009

8:00am to 9:00pm	Vendor Hall	Town Lake Ballroom
8:00am to 5:00pm	Map Gallery	Mezzanine
9:15am to 10:15am	Session Track I	2nd Floor

10:30am to 11:30am	Session Track II	2nd Floor
11:45am to 1:00pm	Lunch on Your Own - (Check Guide for Discounts)	
1:00pm to 2:00pm	Session Track III	2nd Floor
2:15pm to 3:15pm	Session Track IV	2nd Floor
3:30pm to 4:30pm	Session Track V	2nd Floor
5:30pm to 8:30pm	Vendor Reception & Map Gallery Awards	Town Lake Ballroom
9:00pm to ???	6th Street Poker Pub Crawl	6th Street

FRIDAY, APRIL 3RD 2009

8:00am to 10:00am	Supporting Women in Geography & GIS Meeting	The Skyline
8:30am to 12:00pm	Texas State Capitol Field Trip	Check Guide
9:30am to 2:00pm	East Texas User Group Meeting	Check Guide
10:00am to 12:00pm	Metroplex Arc User Group Meeting	Old Pecan Street
11:00am to 12:00pm	New SCAUG Officers Meeting	Congress

Event Summary

TUESDAY, MARCH 31ST

Poolside Meet & Greet –4pm to 7pm

Catch up with old friends and meet new people poolside! The conference hotel boasts a spacious pool deck under oak trees so cross your fingers for some good Texas spring weather. A sponsored and cash bar will be available.

WEDNESDAY, APRIL 1ST

Opening Session –8am to 12pm

Kick off the conference by joining everyone for breakfast in the Town Lake Ballroom. Business items will include a message from the Regional ESRI Manager Gary Scoffield, Founders and Thumbs Up Awards, SCAUG scholarships, the change of SCAUG Officers, and conference agenda items. The Opening Session will end with a technical session of What's New in ArcGIS 9.3.1.

ESRI Technical Sessions –1:30pm to 5pm
- Enterprise GIS for Local Government
- ArcIMS to ArcGIS Server Migration
- The Business Benefits of GIS – An ROI Approach
- Lessons Learned with Geodatabase Replication
- Fleet Routing & Scheduling with ArcLogistics
- Creating & Managing Geocoding Address Locators in ArcGIS

NTB Associates, Inc. Happy Hour Social –5pm to 6:30pm

Decompress after a day of conferencing by attending the NTB Associates, Inc. Happy Hour Social at the Cedar Door just two blocks away from the conference hotel at Brazos & 2nd Street. Enjoy the early evening skyline view on the patio while indulging in a tasty beverage on NTBA's tab.

THURSDAY, APRIL 2ND

Vendor Hall & User Presentations –8am to 9pm

Start your day by enjoying some coffee and pastries while visiting the Vendor Hall to see innovative technologies and solutions. Be sure to hit up vendors for their signatures on Vendor Bingo as well as drink tokens to be used during the Vendor Reception. Throughout the day Vendor Showcases and User Presentations will encompass a variety of more specific topics.

Map Gallery – 8am to 5pm

Your colleagues have taken research and analysis and put it on the map! The Map Gallery provides a visual sense of the power of geospatial technology. Be sure to cast your vote for the Most Creative, Most Informative, Best of Show, and Best Map Book in the Map Gallery to receive the official conference pint glass! Turn in your ballot at the registration desk.

Vendor Reception & Map Gallery Awards – 5:30pm to 8:30pm

Don't miss out on this rockin' of a good time with your fellow GISers! Start your evening by enjoying some hors d'oeuvres and drinks over vendor conversation. You

can also take a stab at being the premier guitar-playing guru in the Guitar Hero Competition and win an iPod Nano.

6th Street District Poker Pub Crawl – 9pm to ???

Get your poker face on and hit the historic and entertainment district of 6th Street for a Poker Pub Crawl! A total of 5 designated bars will deal you one card in exchange for one purchased drink. At the last stop play your hand in a 5-card stud game and see who wins an iPod Nano. Play or just crawl along with your fellow GISers, it is sure to be a "Deck of a Good Time".

FRIDAY, APRIL 3rd

Supporting Women in Geography & GIS (SWIGGIS) – Friday, April 3rd 8am to 10am

SWIGGIS is a professional and social organization. Our meetings provide women geographers with a positive and productive space as well as a supportive and engaging environment in which we mentor each other, enhance our intellectual climate, and are innovative in our strategies to promote the professional status of women in Geography and GIS. We would like to welcome the ladies at the SCAUG conference to join SWIGGIS for a breakfast meet and greet. Come learn about our organization, find out how to start your own regional chapter, and meet some of your peers.

East Texas GIS & GPS User Group (ETUG) – Friday, April 3rd 9:30am to 2pm

Please join the East Texas GIS & GPS User Group (ETUG) at the conclusion of the 19th Annual South Central Arc User Group Conference on April 3rd for a special ETUG meeting. We will be visiting the Texas Natural Resources Information System (TNRIS) offices and having an old fashioned Central Texas lunch at Scholz Garten (the oldest business in Texas). Space is limited so please RSVP to Justin Cure by Wednesday of the conference. Anyone is welcome, but ETUG will be purchasing lunch for ETUG members only. See the schedule of events below:

9:15am - Meet in the hotel lobby
9:30am - 10:00am - Ride the Dillo to TNRIS
10:00am - 10:10am – TNRIS Welcome
10:10am - 10:30am - Tour of Map and Photo Collection
10:30am - 10:50am - Tour of Information Systems & Border Information Center
10:50am - 11:20am - StratMap Program and Application Development
11:20am - 11:30am - Q&A
11:30am - 11:45am - Walk to Scholz Garten
11:45am - 2:00pm - Enjoy some Central Texas culture, food, and drinks

Metroplex Arc User Group (MAUG) – Friday, April 3rd 10am to 11am

The Metroplex Arc User Group will have a steering committee meeting to discuss upcoming MAUG events for 2009/2010. If you have an interest in working with the current MAUG officers please attend.

New SCAUG Officer Meeting – Friday, April 3rd 11am to 12pm

Newly announced 2009/2010 SCAUG Officers please take advantage of the opportunity to meet the board in the War Room (Congress)! Short informal meeting including introductions, contact information exchange, and officer position duties.

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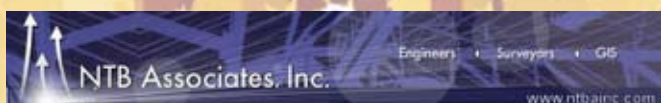
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Training Sessions

Monday, March 30th
8:30 am – 12:00 pm

Realtime Weather for GIS   Lakeview

8:30am – 5:00 pm

ArcGIS Server Enterprise Configuration & Tuning
for SQL Server   Old Pecan Street

Introduction to ArcGIS Server   The Skyline

ArcGIS Desktop III: GIS Workflows and Analysis   Treaty Oak

Tuesday, March 31st
9:30am – 12:00pm

The GISCI Certification Program for GIS
Professionals   Lakeview

8:30am – 5:00pm

ArcGIS Server Enterprise Configuration & Tuning
for SQL Server   Old Pecan Street

Introduction to ArcGIS Server   The Skyline

ArcGIS Desktop III: GIS Workflows and Analysis   Treaty Oak

ESRI Tech Matrix

Wednesday, April 1

Session I - 1:30pm - 2:30pm

Enterprise GIS for Local Government
Traci Tracey   Lakeview

ArcIMS to ArcGIS Server Migration Strategies
Gayatri Kesavamurthy   The Skyline

Session II - 2:45pm - 3:45pm

The business Benefits of GIS - An ROI Approach
Michael Funaro   Lakeview

Lessons Learned with Geodatabase Replication
Ron Florence & Eric Stauber   The Skyline

Session III - 4:00pm - 5:00pm

Fleet Routing and Scheduling with ArcLogistics
Karen Lizcano   Lakeview

Creating and Maintaining Geocoding Address
Locators in ArcGIS
Ken Smith   The Skyline

General Sessions

Thursday, April 2

Session I - 9:15am - 10:15 am

Geocortex Essentials: Jumpstart ArcGIS Server!
Rob Lenarcic   Lakeview

Accurate GPS Inventory of Water and Wastewater Systems for GIS
Jack L. Avis   Lone Star

Ship Afire: 3D Visualization of the Remains of an Underwater Historic World War I Era Vessel
Ty Summerville   Old Pecan Street

Enabline End Users to. . .
Drew Arnold & Jeff Watters   The Skyline

GIS Analysis to Develop the Best Alternative adn Recommendations
Santa J. Rivas   The Skyline

Mobilize Your Enterprise - Mobile GIS & Field Business Activity Automation
Terry Bartlett   Treaty Oak

Session II - 10:30am - 11:30am

Literary Interpretations, Geospatial Technology Applied in the Classroom!
J. Scott Sires & Dorothy Dillon   Lakeview

Getting The Most From ArcGIS Server (Web Apps) - GIS-centric Municipal Solutions
Brent Wilson   Lone Star

The Best Return on Investment: Implementation of EDMS with GIS (on Shoestring Budget)
Meade Maleki   Old Pecan Street

Web GIS Provides Situational Awareness for Emergency Management
Lori Clements   The Skyline

Spatially Enabling Your Enterprise
Terry Bartlett   Treaty Oak

Teaching & Preaching GIS
Tanya Hardison   Treaty Oak

Session III - 1:00pm - 2:00pm

GPS Enabled Camera for GIS Mapping
Ashok Wadwani   Lakeview

GPS Field Collection for GIS-T Updates
William Watson   Lakeview

Building a Municipal GIS Web Portal Using ArcGIS Server
Brian Besier   Lone Star

Attending the Hurricane Ike After Party: The Columbia Center Responds to the Storm
Johnny Brown   Old Pecan Street

A Mapping Revolution: GIS Contributions to the Oklahoma Emergency Response Systems Development Project
Katy Rich & Chad Corcoran   Old Pecan Street

Capital Improvement Project Planning and Tracking
Previn Wong   The Skyline

Reporting In Cityworks – Tips on Generating Accurate Reports
Laura Carr   Treaty Oak

Session IV - 2:15pm - 3:15pm

Leveraging GIS to Support Storm Water Management – Inventory, Planning, Inspection and Response
Teri Landrum   Lakeview

Measuring Up to NFPA1710
Doug Zedler   Lone Star

Develop a Custom Application in 5 Minutes: JavaScript Mashups using REST
J. Scott Sires   Old Pecan Street

The 2008-2009 Texas Orthoimagery Program: Project Status and Data Products Demonstrations
Gayla Mullins   The Skyline

Enhancing ROI & Improving Operations – Moving to a Next Generation Enterprise GIS
Homer Garza & Bob Finkle   Treaty Oak

Session V - 3:30pm - 4:30pm

Upgrading and Maintaining the National Hydrography Dataset (NHD) in Texas
Daniel K. Pearson   Lakeview

Solutions that Work for You with Today's Tight Budgets
Tim McAndrew   Lone Star

Implementing GIS for Enterprise Mobile Workflows
Meade Maleki   Old Pecan Street

Connecting with CDM
Stan Plante & Tanya Hardison   The Skyline

ESRI TECHNICAL SESSIONS

WEDNESDAY, APRIL 1ST

SESSION TRACK I - 1:30PM-2:30PM

Enterprise GIS for Local Government
Traci Tracey   Lakeview

The goal of an Enterprise GIS is to distribute GIS functions and data throughout an organization while leveraging and integrating the functions and data offered by other technologies. Accomplishing this request requires adherence to standards and use of uniform methods to define the GIS data, services and information product components of business functions. The new or revised business processes and information products provide internal efficiencies as well as improved services to the public.

ArcIMS to ArcGIS Server Migration Strategies
Gayatri Kesavamurthy   The Skyline

ArcGIS Server is a powerful web mapping technology that leverages the power of geoprocessing capabilities with the latest in web technology. This session will outline migratory strategies for moving from ArcIMS to ArcGIS Server. The advantages in terms of performance and usability will be discussed. The different server side and client side technologies, including the different RIA development technologies, will be reviewed.

SESSION TRACK II - 2:45PM-3:45PM

The Business Benefits of GIS – An ROI Approach
Michael Funaro   Lakeview

Return on Investment (ROI) is important for the continued success of every organization. The Business Benefits of GIS presents an end-to-end process of interrelated steps with tools, templates and case studies that demonstrate how to use GIS to consistently deliver business value across your organization.

Lessons Learned With Geodatabase Replication
Ron Florence & Eric Stauber   The Skyline

Many organizations have the need to share their GIS data and collaborate on the development and maintenance of their data. Geodatabase replication is a data distribution method provided through ArcGIS Server that allows users to distribute data across two or more geodatabases. In this session, the basics of geodatabase replication will be described, followed by the presentation of case studies reviewing the

technical and logistical aspects of geodatabase replication, including workflow considerations and limitations.

SESSION TRACK III - 4:00PM-5:00PM

Fleet Routing and Scheduling with ArcLogistics
Karen Lizcano   Lakeview

ArcLogistics is a complete solution for creating optimized routes and solving scheduling problems. In this session, you will learn how to create dynamic routes and schedules that cut fuel costs and improve customer service using ArcLogistics. From a small fleet operation to large multiuser environment, ArcLogistics provides a quick and significant return on investment. ArcLogistics lends itself to fleet management across all industries.

Creating and Maintaining Geocoding Address Locators in ArcGIS
Ken Smith   The Skyline

Geocoding is the process of assigning a location, usually in the form of coordinate values (points), to an address by comparing the descriptive location elements in the address to those present in the reference material. In order to geocode the address correctly, one must build or maintain reference data and determine or build the address locator style to use. Topics will include building, standardizing and maintaining your reference data, determining the best address locator to use, and/or creating your own custom address locator. While the standard address locator may suit most needs, the presenter will show the address locator standardization files, where they are located and how to customize them.

USER PRESENTATIONS & VENDOR SHOWCASES

Thursday, April 2nd

SESSION TRACK I – 9:15AM TO 10:15AM

Lakeview
Geocortex Essentials: Jumpstart ArcGIS Server!
Rob Lenarcic, Latitude Geographics Group Ltd.

Are you having a hard time building effective ArcGIS Server applications quickly? Why spend time developing ArcGIS Server applications from scratch, when you can jumpstart your implementations with Geocortex Essentials? Geocortex Essentials is engineered for ArcGIS Server using ESRI's core development foundation. Geocortex Essentials provides a proven framework with extensive toolboxes, features, and processes, that will give your organization a powerful jumpstart when building, maintaining and evolving applications. If you're considering an ArcGIS Server implementation, be sure to learn more about why Geocortex Essentials is quickly emerging as the world's definitive value-added technology for ArcGIS Server.

Lone Star
Accurate GPS Inventory of Water and Wastewater Systems for GIS
Jack L. Avis, PLS, GISP, Baker-Aicklen & Associates, Inc.

This topic will cover the use of high accuracy GPS for field collection of water and
wastewater system assets. This is an actual case study within the City of Round Rock, Texas involving the field collection of water and wastewater (WWW) asset features that were developed within the city's Geographic information System (GIS). Preparation of GPS field data dictionary, inventory guidelines and a GIS field inventory map book were used to insure consistency in how features were located and guide the field collection process in a systematic manner. Use of high accuracy virtual reference Global Positioning Systems (GPS) technology for collecting WWW feature locations in three dimensions was beneficial in obtaining accurate positions without post-processing of GPS vectors. GPS Equipment and GIS software used along with benefits gained and lessons learned from the field inventory process will also be discussed.

Old Pecan
Solutions that Work for You with Today's Tight Budgets
Tim McAndrew, CartêGraph

With today's economical situation, it is imperative that we, the city lead-

ers, make decisions that will allow us to stretch our budgets without negatively impacting the service we provide to our constituents. This session will demonstrate how automating the management of our infrastructure and integrating our vital business operation systems will allow us to manage and more effectively utilize our budget dollars. In addition, this session will showcase how easy it is to report back to our constituents for them to see the value we provide them and how we efficiently spend our tax revenue.

The Skyline
Enabling End Users to…
Drew Arnold & Jeff Watters, Accela, Inc.
Government agencies are increasingly grasping the need to utilize GIS to assist with managing their assets. Whether these assets are land, people, or equipment; agency staff should enjoy tools providing quick response, precise data gathering assistance, employment of data, and interactive communication with customers.

This presentation will share best practices and tools via illustrations and demonstrations that enable user groups to leverage GIS in an easy and predictable manner. We will cover non-technical aspects of:

1.   Map Mash-Ups. Providing end users a commercial look and feel to view, extract, and interact with GIS data.
2.   Proximity Alerts. Enabling GIS to run spatial inquiries in conjunction with applications for building permits, zoning, or licensing requests to proactively check the requests against map data.
3.   Configurable Map Views. Infrastructure elements and transactions tracked by an agency through its GIS system should be easily extracted from its land record management database.
4.   Increased Data Integrity and Reduced Data Redundancy. Tools must empower end users with the ability to interact with GIS on- or off-line in the field and, where warranted, update geographic elements or attributes.

GIS Analysis to Develop the Best Alternatives and Recommendations
Santa J. Rivas, SAWS

The San Antonio Water System's (SAWS) Wastewater Master Planning group uses GIS as a tool to develop the best alternative and recommendations, efficiently and in a timely manner. Since time is critical, time management is very important because time is money and budgets are tighter than ever. Just like time is important so are the costs to develop the alternatives. Due to escalating costs everywhere companies have to think smarter and use every tool to their advantage.

In Master Planning, a GIS analysis of the system is often conducted to determine the best way to serve new development or to accommodate additional flows in the existing system. For new development or new growth, the existing infrastructure is analyzed to determine the available capacity in the system or the lack of capacity in the system.   Master Planning also

conducts analysis to determine the feasibility of diverting flows to other parts of the system, to divert flows from infrastructure which is targeted for future elimination.

Using GIS for these type of analysis helps Master Planning group to streamline the process because creating the best alternatives and recommendations depend on it.

Treaty Oak
Mobilize Your Enterprise - Mobile GIS & Field Business Activity Automation
Terry Bartlett, Marshall and Associates, Inc.

A growing number of both public and private organizations charged with managing assets are looking for ways to leverage their back office asset information systems (including GIS and EAM/CMMS) to support field operations.
Delivering information from these systems to the field to be used, collected and updated is a growing need and challenge. Both GIS and Operations Managers are enabling their field operations crews to manage assets in the field using automated mobile systems.   Although not a painless process, many have gone "green" with respect to paperless work flows for work orders, service requests (linked to EAM/CMMS), as well as paperless updates of their GIS geodatabases.
These organizations have the folks in the trenches providing timely updates to the GIS as well as timely reporting of field business activities and information collected to support those activities. In essence, these organizations have empowered staff that had no knowledge of GIS nor the processes to be the foot soldiers and maintain data they are already ultimately responsible to maintain!
This presentation will explore the fundamentals of mobilizing your enterprise as well as case study examples (Anchorage, AK; Longmont, Co; Norfolk, VA; Vancouver, WA & others) and will provide a road map for your mobile implementation.

SESSION TRACK II – 10:30AM TO 11:30AM

Lakeview
Literary Interpretations, Geospatial Technology Applied in the Classroom!
J. Scott Sires & Dorothy Dillon, Brookhaven College Geospatial Technology Program

What do applied GIS and works of literature have in common? A sense of place and spatially significant events! Three Brookhaven College student's literary review project work will be presented. Each student chose a book detailing an expedition, an adventure, or series of historical events. These stories will be visualized using GIS to interpret and represent the significant events in sequence.

Lone Star
Getting The Most From ArcGIS Server (Web Apps) - GIS-centric Municipal Solutions

Brent Wilson, Azteca Systems, Inc.

This presentation illustrates business operations use of ArcGIS Server in an overall city or county environment going well beyond just a map. ArcGIS Server combined with specific applications for work order management, permitting, code enforcement, and plan reviews is a powerful solution and geared towards today's needs and tomorrows technology. The approach presented in this paper illustrates the long-term benefits of an ongoing GIS-centric program. Software shown in presentation will include: ArcGIS Server Advanced, Cityworks MMS and Cityworks Permitting.

Old Pecan Street
The Best Return on Investment: Implementation of EDMS with GIS (on $hoestring Budget)
Meade Maleki, Spatial Wave, Inc.

This paper presents cost effective ways of implementing and integrating EDMS (electronic document management system) with enterprise GIS system.

If an organization values GIS as repository of land based knowledge of existing facilities, infrastructures, ownership, easement and responsibility area, then wouldn't it make sense to link a system that manages record documents and plans that support the ownership and liability for the property?

In the case of The Irvine Company, the single largest land holding company in Orange County, California. The GIS department has limited resources, consists of two personnel that manage all the data layers associated with the company. They did not have an installed EDMS. They favor relationship with Title Company and outside consultants. Because the company owns so much property in the region, many disputes and lawsuits are unfairly directed to the Company without proper examination. Each inquiry would require outside research that adds to the cost of the complaint.

Thanks to the creative solution of Spatial Wave's Maplibrary. The GIS department was able to quickly create a departmental EDMS linking to GIS. They can provide instant access of legal document for properties they own, leveraging GIS as a dashboard for document retrieval. The expedient nature of the response saves the Company unnecessary spending on research and consultation fees. As a result, GIS is not only assisting planning division, but also a valuable resource of legal department.

The Skyline
Web GIS Provides Situational Awareness for Emergency Management
Lori Sullivan-Clements, GeoComm

Web-based GIS mapping enables emergency managers, public safety and homeland security officials to gather and share information, strat-

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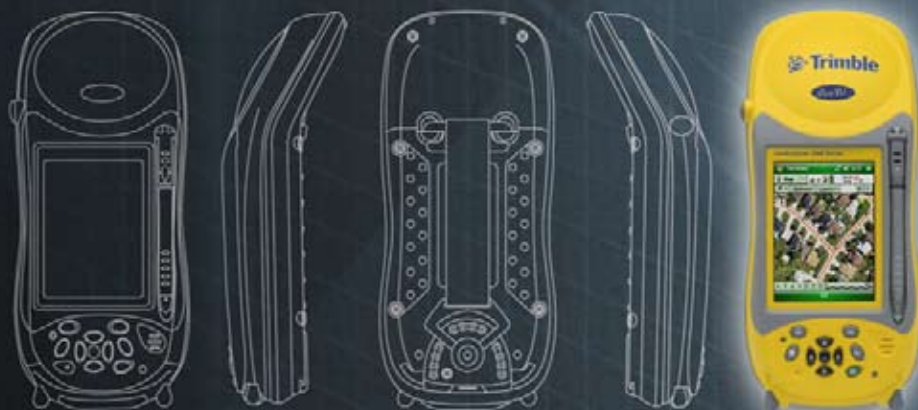
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Vendor Bios

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- Our corporate values
- Professionally completing assignments on-time and within budget
- Seeking innovative and cost-effective but practical solutions

PBS&J is committed to forwarding the GIS profession. To illustrate this commitment in 2007 PBS&J employed the largest number of GISP's (GIS Professionals) in North America by a private firm. (source GIS Certification Institute)

PBS&J employs many technology professionals that support GIS application development; these include system architects, database administrators, web designers, and hardware and software installation specialists. Our team maintains the capacity to provide complete solutions for our clients from problem definition through data collection, analysis to application development.

SILVER SPONSORS

CartêGraph provides ArcGIS-based solutions for organizations striving to make better decisions and ultimately improve productivity, efficiency and quality within state and local government. Through flexTECHNOLOGY, CartêGraph offers feature, functionality and integration solutions for the inventory and management of infrastructure assets, work orders and requests in an office and mobile environment.

Since 1969, *ESRI*® has been giving customers around the world the power to think and plan geographically. The market leader in GIS, ESRI software is used in more than 300,000 organizations worldwide including each of the 200 largest cities in the United States, most national governments, more than two-thirds of Fortune 500 companies, and more than 7,000 colleges and universities. ESRI applications, running on more than one million desktops and thousands of Web and enterprise servers, provide the backbone for the world's mapping and spatial analysis. ESRI is the only vendor that provides complete technical solutions for desktop, mobile, server, and Internet platforms. Visit us at www.esri.com.

A division of Latitude Geographics Group Ltd., *Geocortex* provides a suite of proven products, services and knowledge that organizations can use to deliver effective, successful web-based mapping using ESRI's ArcGIS Server and ArcIMS. With success stories across North America, we help clients create top-notch web-based GIS implementations.

Pinnacle Mapping Technologies., Inc a woman-owned and veteran-owned small business, provides a broad range of photogrammetric and GIS services to clients in the private and public sectors. At Pinnacle, we bring together our large company technical knowledge base within a smaller organization. Our customers feel like they are working with a large company that is in tune with quality assurance and customer satisfaction, they receive first-rate mapping products and they spend only a fraction of the cost a large company would charge for those services.

URS is one of the largest, global, fully integrated engineering, construction and technical services firms with the capabilities to support the full project life cycle. We offer professional planning, design, environmental, construction, program and construction management, operations and maintenance, management and a wide range of specialized geospatial technology services. We provide services for transportation, power, industrial infrastructure and process, environmental and nuclear management, facilities, water/wastewater, mining, and defense and security programs.

With more than 50,000 employees in a network of offices in major cities in the Americas, Asia-Pacific, the Middle East and Europe, our broad-based expertise is a valued resource for federal, state and local government agencies, as well as FORTUNE 500 and other private industry clients worldwide.

VENDOR SPONSORS

Applied Field Data Systems, Inc., based in Houston is systems integrator for GPS/GIS mapping systems. Our systems include GPS receivers, laser range finders, rugged PDA, field data collection software, GPS camera etc. AFDS also offers GIS consulting, and application development services and training.

Baker-Aicklen & Associates, Inc. is a leading provider of Civil Engineering, Land Surveying, Geographic Information Systems (GIS) and Land Planning services in the Central Texas area. Since its establishment in 1981, Baker-Aicklen & Associates has developed a reputation for excellence with both private and public sector clients.

As a provider of Geographic Information Systems (GIS) services, the ability of our GIS Managers to understand the client's needs and requirements and match that need with the appropriate technological solution is critical to successful GIS development and implementation. Data conversion, cadastral mapping, facilities management, asset field inventory and utility locations are among the many services the GIS group is qualified to provide. Projects range from individual feature layer creation, to geodatabase design for utility management, to complete cadastral and aerial base data layers, along with GIS Web Portals for new municipal and utility GIS implementation.

Since 1986, **CDM** has been providing professional GIS consulting services addressing every phase of the GIS lifecycle. With over 4,300 staff in more than 100 offices worldwide, CDM offers a wide range of GIS services to public, private, and utility clients, including planning, data conversion, organizational development, applications development, systems integration, and program management. Our project teams help define GIS requirements, establish appropriate funding vehicles, design network and data infrastructure, and build spatially-enabled productivity tools.

Since 1986, **Azteca Systems** has been helping agencies effectively manage capital assets, infrastructure, and property. As an exclusive ESRI business partner and a proven industry leader, Azteca developed the Cityworks suite of applications

– the only GIS-centric asset and maintenance management solution. Cityworks is powerful, flexible, and affordable, and is used by a wide array of industries to help agencies respond to customer needs and manage the assets they care for using workflow they are accustomed to. Scalable, easy-to-use, and based on open technology, Cityworks has been successfully deployed at hundreds of sites around the world, increasing productivity, improving customer service, and lowering operational costs.

EI Technologies, LLC is a wholly-owned subsidiary of Integrated Systems Holding, LLC, a Colorado-based company. EI Technologies and its sister company, Applied Geospatial Technology Solutions, LLC, Hurst, Texas, have completed more than 200 GIS projects for government and industry in the past eighteen years. EI Technologies is headquartered in Parker, CO, and has offices and team members in Texas, Arizona, Canada, and India.

EI Technologies offers a full range of GIS services on time and within budget including Needs Assessment, Data Conversion, Data Migration, Applications Development, Internet GIS, Training, and Support. We specialize in data migration to ArcSDE and application development within ArcGIS using Arc Objects. We are an ESRI Development Partner, and have been Business Partners with Microsoft, Autodesk, Oracle, and Intergraph. Our consultants understand GIS and database technologies, and can design and develop cost-effective and innovative technology solutions for organizations that will support their business rules and processes.

For over 13 years, **GeoComm** has been at the forefront of understanding and implementing public safety communications systems, GIS systems, and industry-leading software. As an ESRI business partner, GeoComm uses the latest GIS technologies for data and software development. GeoComm's consulting team works with our customers by sharing our expertise and knowledge on a variety of public safety communications and operational topics. GeoComm's GIS staff can help you with addressing, GIS data maintenance and enhancement, GPS field collection and verification, master street address guide and Automatic Location Information database development.   GeoComm's GeoLynx Family of Products is designed to bring GIS technology to the 9-1-1 environment by mapping 9-1-1 calls and provides in-vehicle mapping, emergency notifications, and a Web-based emergency operations center.

IT Nexus, Inc. is a system integration firm founded in 1999 that specializes in the delivery of GIS and IT solutions for local – state – regional government agencies and utilities. Our consultants are nationally recognized for their knowledge and expertise with ESRI and Microsoft software with particular emphasis on ArcGIS Server/ArcSDE. We are dedicated to the planning, design and implementation of leading-edge E-GIS decision support systems. IT Nexus is also the developer of an exclusive line of commercial web-GIS software developed for ArcGIS Server.

LandWorks, Inc is a provider of Land Asset Management and GIS solutions for a variety of industries including oil and gas, pipeline, mining, gas and electric utilities, wind, telecommunications, and transportation industries. LandWorks' business is built on providing reliable solutions that combine leading-edge technologies with our extensive land-related business experience.

LandWorks' subsidiary, Geodynamic Solutions, Inc., specializes in the design, development, implementation and training of custom, enterprise-wide geospatial applications built upon the entire suite of ESRI GIS technology.
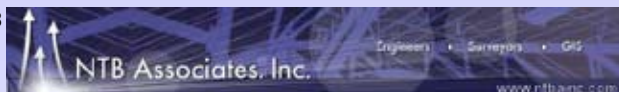
M.J. Harden Associates, Inc. has been providing geospatial services to transmission and distribution utilities, government agencies, engineering firms, and the transportation industry since 1956. MJ Harden has completed over 20,000 projects and is well known for quality performance and reliability. Our services include:

- Aerial image acquisition
- LiDAR acquisition and processing
- Digital planimetric and topographic mapping
- Digital orthophotography
- Remote sensing / image analysis
- GIS consulting and implementations

As part of the GeoEye Corporation, MJ Harden plans to continue to adopt the best technology and practices available to ensure high quality projects are delivered to the client on time and within budget. MJ Harden is ISO 9001-2000 certified and maintains a high level of product quality, with continuous quality improvement processes in place.

Established in 1986, **NTB Associates, Inc.** (NTBA) has experienced significant expansion in staff and capabilities. The professional staff includes GIS application specialist, programmers, database administrators, civil and structural engineers, and land surveyors. We provide expertise in the following areas:

- GIS/GPS
- Boundary Surveys
- Topographic Surveys
- Hydrographic Surveys
- Route and Utility Surveys
- Water/Wastewater Systems
- Bridges and Structural Design
- Hazardous Material Surveys
- Major Highways and Interstate Design
- Local Roadway/Drainage Improvement

In the GIS services area, NTBA provides clients with turnkey solutions for a wide variety of issues. Our services include:

- Project design and management
- GIS needs assessments
- Database design, development, and management
- ArcServer implementation

- Data conversion and creation
- Asset Management/Work Order Management
- System integration with GIS
- GPS field collection and inventories
- User training and support
- Custom application development
- Enterprise GIS solutions
- And much more…

RazorTek LLC is a minority-owned, GIS & Remote Sensing-consulting firm located in Austin, Texas. RazorTek is a certified Texas HUB Zone business and a certified federal HUB zone small business.

Established in 2002, the firm provides services and technology assistance to the ESRI user community, including both public and private sectors. RazorTek specializes in GIS training, feature extraction, product finishing, design, development and automation of complex systems for spatial data display and analysis. Data conversion and quality assurance services are also offered. RazorTek is a provider for satellite and aerial imagery for both the private and government sector. RazorTek offers the capability of doing imagery processing and MrSID processing.

RazorTek was hired as an imagery consultant for Duke Energy on selecting an aerial company in collecting their pipeline across North America.

The Sidwell Company, the leading developer of GIS and professional mapping services, has been providing comprehensive mapping and land record information systems to local government for 80 years. The company has been at the forefront of GIS technology since 1982, and offers GIS design and implementation; cadastral data conversion and development; Parcel Builder™, the premier software solution for mapping and land records management; photogrammetric services; project management; training and technical support services; and web hosting for GIS data. Sidwell is an employee-owned firm, and is an ESRI Business Partner, developer and reseller.

Spatial Wave, Inc. focuses on delivering innovative solutions to customers who are seeking to maximize their investment in GIS.

Spatial Wave's software leverages the foundation of GIS and brings value-added information of business critical data streams and work flows across the organization. With over 20 years of experience, Spatial Wave has delivered solutions across all levels of government agencies as wells as the private sector. Spatial Wave has three main product solutions and a handful of extensions to solve industry specific needs. The product line consists of Mapplet.NET, MapLibrary, and Field Mapplet. These solutions bring the benefits of Mapping and GIS to your entire organization with minimum effort and expense. Our training and implementation services will get you up and running in days not weeks. Spatial Wave is committed to your success.

Stewart Geo Technologies (SGT) is a professional services organization dedicated to providing geospatial solutions to agencies

engaged in the design, construction and management of public infrastructure systems. Structured to accommodate time-critical and technically demanding projects, SGT supports its clientele with a broad range of geospatial technologies encompassing photogrammetry, orthophotography, and geographic information systems.

Operating as a division of PropertyInfo Corporation, a wholly owned subsidiary of Stewart Title Company, SGT has provided mapping services for almost a half century. SGT offers the following services:

- Aerial Photography
- Aerial Triangulation
- Digital Orthophotography
- Digitizing
- Digital Terrain Modeling
- GIS Application Development
- GIS Database Creation
- GIS Implementation and Training
- Image Plots
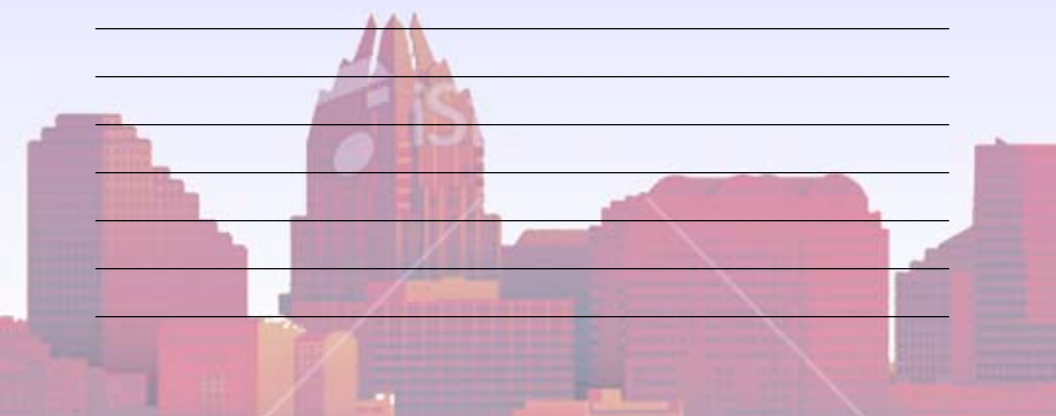- Parcel Mapping
- Vector Land Base Map

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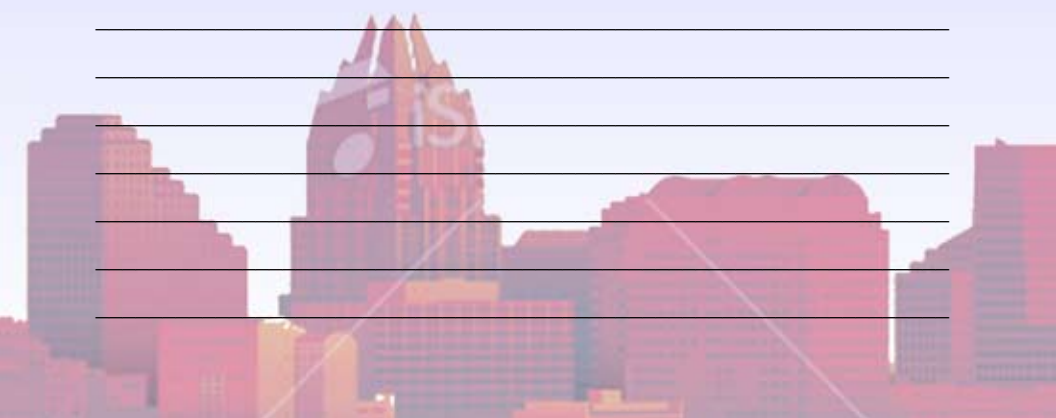
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Texas State Capitol Tour

Friday, April 3, 2009

Tour Leaders: Joe Chapa and Suzanne Wachal
Where to Meet: In front of the Starbucks in the Radisson lobby.
When to Meet: 8:15 AM (the Capitol Tour starts at 9AM)
Length of Tour: The Capitol Building Tour lasts between 30 and 45 minutes.
Transportation: The 450 Congress Dillo trolley (Orange Dillo) picks up near the Radisson (Congress Ave and 2nd St) and drops off in front of the Capitol Visitors Center. **The cost to ride the Dillo is $0.50 for a two-hour pass.** Alternatively, you may walk to Capitol Visitors Center at 112 East 11th St (southeast corner of the Capitol grounds at 11th and Brazos) and join the SCAUG group there.
Additional Information: We have reserved a group tour specifically for SCAUG at 9AM on Friday. If you decide to walk to the Capitol Visitors Center, please arrive a little before 9AM to find the SCAUG tour group. After the tour ends you can either continue to visit the Capitol grounds, or return to the Radisson. The 450 Congress Dillo runs every 5-7 minutes if you wish to ride it back to the Radisson.

2009 REGIONAL SCAUG CONFERENCE GISP CREDIT CHECKLIST

1/2 Day NON ESRI Training

(4 hour) Classification Credits Earned

Realtime Weather for GIS	EDU 0.1____
The GISCI Certification Program for GIS Professionals	EDU 0.1____
Training Instructor: _____	EDU 3.0____

2 Day ESRI Authorized Training

(16 hour) Classification Credits Earned

ArcGIS Desktop III: GIS Workflows and Analysis	EDU 0.4____
ArcGIS Server Enterprise Configuration & Tuning for SQL Server	EDU 0.4____
Introduction to ArcGIS Server	EDU 0.4____
Training Instructor: _____	EDU 3.0____

3 Day 2009 SCAUG Conference in Austin, Texas

(24 hour) Classification Credits Earned

Attendee: _____	EDU 0.3____
Presenter : _____ (1 point per instance)	CON 1.0____
Map Gallery (1 point per instance)	CON 1.0____
Map Gallery Award Winner (1 point per instance)	CON 2.0____

TOWN LAKE BALLROOM

Austin III

Austin II

Austin I

Travis I

Travis II

Travis II

Congress

LBJ

Lone star

Treaty Oak

Old Pecan Street

The Skyline

Longhorn

Lakeview