

Fifth Annual Conference November 14 - 18, 1994

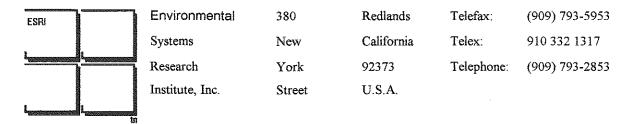
> Marriott Bayfront Hotel Corpus Christi, Texas

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To The Texas Arc/Info Users:

CONFERENCE GREETINGS

On behalf of ESRI, and especially the ArcView Team, I am very pleased to attend this year's Texas User Group Conference in Corpus Christi. It has been an exciting year for us in Redlands, culminating with the recent releases of Arc/Info 7.0, pc Arc/Info 3.42, and the long awaited release of ArcView 2. We are very excited about these products and sincerely hope that you will be also.

It's been said too many times before but it's still true; technology is changing at an ever-increasing pace. The technological changes present all of us, both from development perspective and the user perspective, with many decisions and challenges. With these products ESRI moves in new technological directions to provide you, the users of ESRI technology, with new tools and capabilities to help you solve your problems, manage your tasks, and prepare for the future.

Part of my goal at this conference will be to listen carefully to each one of you, because it is through your input and support that we at ESRI are able to solve our technical problems, tasks, and plan ahead for future development.

In many ways the recent product releases are a direct result of your efforts to make our technology work for you, something we sincerely appreciate. It is really a partnership between the User Community and ESRI that pushes technology forward, and I am pleased at the opportunity to be here to both provide insight to ESRI's directions, and receive insight as to where we must go from here.

Have a great conference!

Bune Synhall

Bernie Szukalski



Corpus Christi Marriott Bayfront

WELCOME! On behalf of the entire staff of the Corpus Christi Marriott Bayfront Hotel, we would like to welcome you to our hotel in the "Sparkling City by the Sea". We know you have a full agenda while you are here, but in your free time we encourage you to take advantage of the Marriott's great restaurants, fun entertainment establishments and the other guest services our hotel has to offer.

Restaurants

The Glass Pavilion offers casual dining in an open air atmosphere for breakfast, lunch or dinner. Featured is a daily buffet with a Friday night special Seafood Buffet. Hours are Breakfast 6:30am - 11:30am, Lunch 11:30 am - 5 pm, Dinner 5 pm - 10:00 pm

The Republic of Texas Bar and Grill is Corpus Christi's newest steakhouse. It offers fine dining in a multi-level, roof top structure and is open from 3:30 pm to 10:30 pm. Happy Hour is 5:00 to 7:00.

Room Service is available from 6:30 am to 12:00 am

Entertainment

The *High Tide Comedy Club*, located off of the lobby, features comedy shows on Thursday and Friday beginning at 7:00 pm.

Other Hotel Services

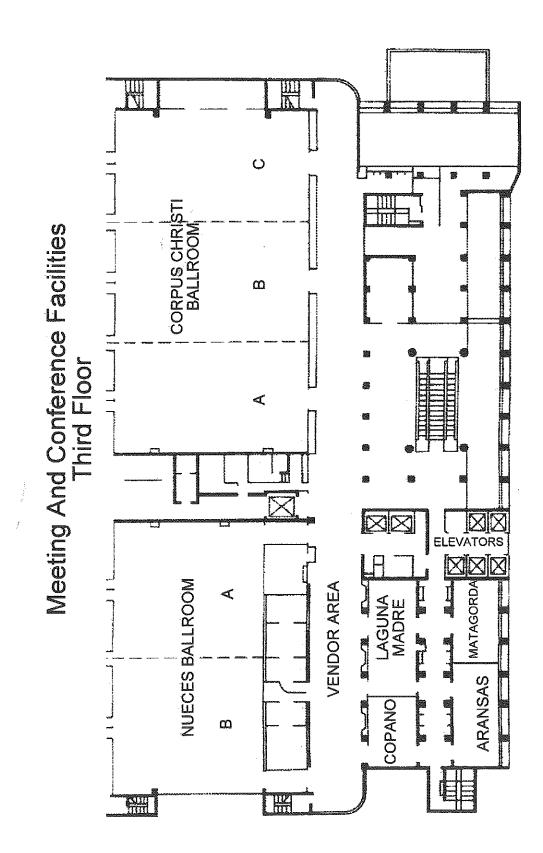
A fully equipped health club lets you stay in shape with exercise equipment, indoor/outdoor pool, whirlpool and saunas. Racquetball courts are available for a nominal charge. Also available is access to an 18 hole championship golf course and lighted tennis courts.

Area Attractions

131 Miles of Gulf beaches - World Class sport fishing - Corpus Christi Dog Track - Texas State Aquarium - Columbus Fleet - USS Lexington Museum

Express Checkout

To assist conference attendees with check-out, we recommend that you use our Express Check-Out Service. You will receive this form under your door, then simply call the Front Desk at extension 148 to confirm your charges and tell them that you are checking out.



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Introducing the release of ARC/INFO Version 7.0 and ArcView Version 2.0

For years, we've dreamed of making GIS available to everyone. But we never imagined the major breakthroughs achieved by these releases. At ESRI, we have poured our hearts, your ideas, and your support into crafting two wonderful new products. We are thrilled to announce their arrival. Thank you for your ideas and support.

Sincerely,

Jack Dangermond

We want you to make a difference with GIS.

To order ArcView Version 2.0 or ARC/INFO Version 7.0, or for more information, call ESRI today at

1-800-GIS-XPRT

(1-800-447-9778)



TAIUG 1993-94 Executive Committee Members

President - Leann Gilley University of Texas - Tyler

Vice President - Jim Lilly City of Waco, Texas

Secretary - Carolyn Meanley The University of Houston

Treasurer - Bobby Boykin Washington County Appraisal District

Conference Coordinator - J. Scot Sires MCI Telecommunications, Inc.

Publications Coordinator - David W. Allen City of Euless, Texas

Membership Coordinator - Homer Riley Tracor Applied Sciences, Inc.

ArcMail Coordinator - Jim Hoffman Database Systems International

Conference Committee

Conference Coordinator - J. Scott Sires David W. Allen * Leann Gilley * Jim Lilly Pam Kersh * Lori Sullivan

Special Thanks To The Following Organizations

MCI Telecommunications ESRI, Inc Geo-Info, Inc. The University of Texas at Tyler The City of Euless, Texas Texas A&M University at Corpus Christi Tracor Applied Sciences, Inc. Washington County Appraisal District

Great Appreciation to our Student Volunteers

Paul Sill - University of North Texas Pam Kersh - University of Texas at Tyler

Conference Information

New Attendee Orientation

This year will be the first for many of you to attend a Texas Arc/Info User's Group The theme of this year's conference is "GIS is a Conference. We invite you to make full use Team Effort!" This theme was selected to of the conference and attend as many of emphasize the importance of user's working the presentations as possible. Please together to share information and techniques for attend the conference business meeting if problem solving. The sessions currently being you can as there will be elections of all learn from each other's applications and to help officers of the executive committee.

the facilities offered by the many vendors that is present in Texas. who are exhibiting at the conference. Nueces Foyer is reserved for vendors and they will have trained personnel in their exhibit booths to answer about the products and services they offer.

Please plan to attend the poster and AML / SML competition on Thursday night. There is a ballot in the back of this guide that you can use to select your favorite in each of the categories. Your votes will determine the winners of some very nice prizes.

If you have any needs during the conference, feel free to contact one of the conference staff or a TAIUG officer. They will help you solve your problem with great dispatch to ensure that you have a good conference experience.

Conference Theme: **GIS Is A Team Effort**

assembled are designed to help user's interact and facilitate that type of networking within the user's group. This conference also presents a unique You may also want to take advantage of opportunity to tap a vast resource of GIS knowledge

Conference Information

Meals And Refreshments

Throughout the conference we have arranged to have various meals and refreshments. Please take advantage of this courtesy as you take breaks during the sessions and for lunch. The following list will help you plan your meals and snacks to take full advantage of the offerings:

Monday and Tuesday

Sweet rolls, Coffee and Sodas at 7:30 am, 10:00 am, and 3:00 pm

Wednesday

Cookies. Coffee and Sodas at 9:50 am, 11:20 am, and 12:50 am Chicken and Beef Quesadillas, vegetables, cheeses at 5:00 pm Reception

Thursday

"The Classy Way" deluxe continental breakfast at 7:00 am Sodas and Coffee at 10:30 am Prepared Lunches with sodas at 12:00 noon "The Healthy Way" snacks at 4:00 pm Mesquite Grilled Chicken Dinners at 8:00 Party

Friday

"The Classy Way" deluxe continental breakfast at 7:00 am Sodas and Coffee at 10:30 am Prepared Lunches with sodas at 12:00 noon

Communication Center

Watch for the communications bulletin board that you may use for posting job openings, resumes, messages to other attendees, general notices and any type of information you may think of to post. In addition, incoming messages for attendees will be posted here as well as announcements of any conference schedule changes.

Conference Information

Special Events

Public Service Day

Once again this year the TAIUG is sponsoring a Public Service Day in conjunction with the conference. On Wednesday morning, groups of students from area schools will be invited to the hotel for a briefing and orientation on GIS. These students represent the future of GIS and this event is always popular with them.

GIS Bus Tour

This year's bus tour has turned out to be more of a "One Stop Shop", but well worth the trip. The facility that the group will visit is the Conrad Blucher Institute at Texas A&M University - Corpus Christi. The institute, directed by Dr. Gary Jeffries, utilizes Arc/Info in several areas such as "Geomatics", costal research and surveying. Some of their applications will be demonstrated.

The trip will leave the hotel lobby at 1:30 pm on a hotel courtesy bus or private vehicles. Participants should be back at the hotel by 3:30 pm. The trip is sponsored by TAUCC and is hosted by Pamela Kersh.

Post-Game Party

After a hard day of GIS'ing, your invited to dinner and dancing with you GIS teammates. During this event will be your chance to vote on your favorite posters, AML's and SML's. The ballot is at the back of this guide. Go all out and meet new people, and help build team connections.

Daily Events Preview

Wednesday, November 16

Conference Registration

Registration Desk - Third Floor

Conference Center

Public Service Activities

Matagorda

Tour Bus Departs Hotel

Front Desk / Lobby

Tour of Local GIS Site

1:30 pm

Bus Returns to Hotel

3:30 pm

Reception with Casual Buffet

4:30 pm to 5:30 pm

Opening Session Keynote Address 5:30 pm to 7:30 pm

Nueces Ballroom B

Daily Events Preview

	Thursday, November 17	
Conference Registration	7:30 am to 9:00 pm	Registration Desk - Third Floor Conference Center
Deluxe Continental Breakfast	7:30 am to 8:00 am	Conference Center Foyer
Breakout Sessions	8:00 am to 9:00 am	
	Customizing ArcView 2	Matagorda
	Pen Based Computing	Copano
	Database Management of Ethnicity and Occupational 1910 census data for Galveston, Texas	Laguna Madre
	Mapping Your Database: Database Design of Collin County, Texas	Corpus Christi C
Vendor Area Open	9:00 am to 7:00 pm	Nueces Foyer
Break	9:00 am to 9:30 pm	
Breakout Sessions	9:30 am to 10:30 am	
	Integrating GIS with current computer systems for CAMA	Matagorda
	Using the Land Records Application	Copano
	Self Directed Work Teams Management	Laguna Madre
	Successful Geocoding Through Integrated Address Matching	Corpus Christi C
Break	10:30 am to 11:00 am	Sodas and Coffee Available
Breakout Sessions	11:00 am to 12:00 pm	
	Using ArcTools Mapper	Matagorda
	Planning, Production and Applications of Digital Orthos	Copano
	Customer Access to Appraisal District's GIS Reduces Value Protests	Laguna Madre
	How to Win Support For Your GIS and Influence Your Enemies	Corpus Christi C

Daily Events Preview

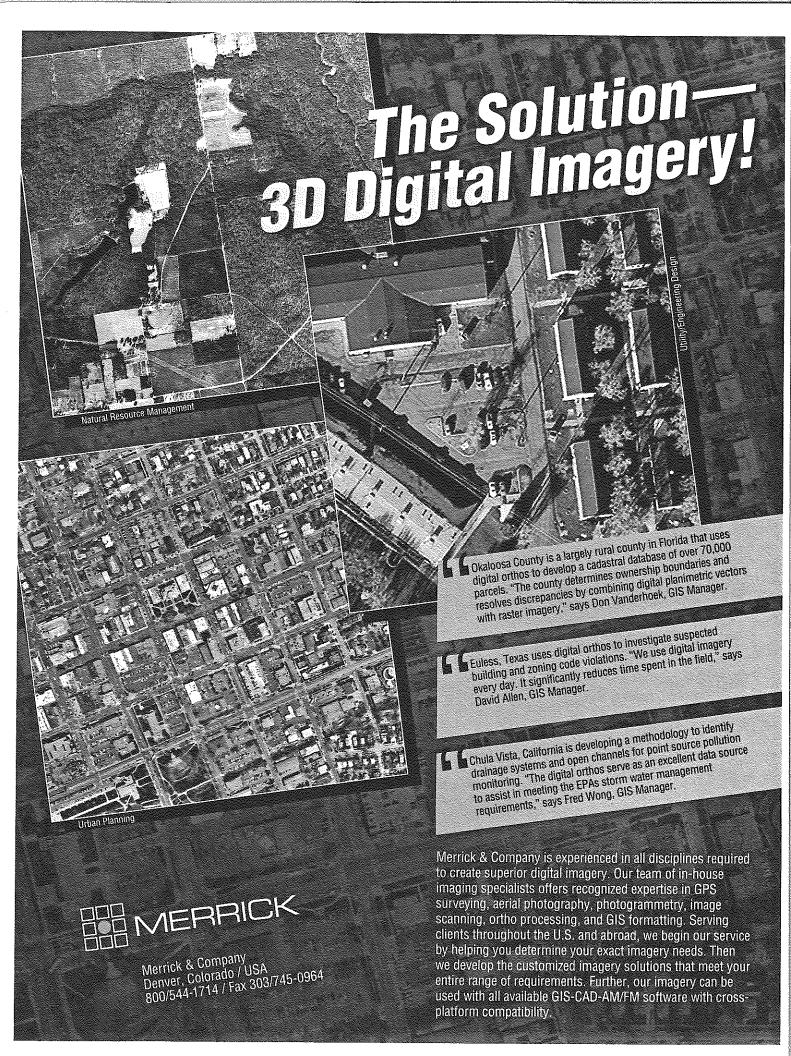
Thursday, November 17 Lunch 12:00 pm to 1:30 pm Boxed Lunches and Soda Provided Conference Center Foyer Vendor Area Remains Open till 7:00 pm Nueces Foyer Afternoon Breakouts 1:30pm to 2:30 pm Doctor's Office Matagorda J GPS and GIS: Fundamentals You Copano Must Know Arc/Info Regions Laguna Madre TBACorpus Christi C Break 2:30 pm to 3:00 pm Afternoon Breakouts 3:00 pm to 4:00 pm Doctor's Office Matagorda Civil Engineering Solutions on a GIS Copano Data Model What Is ArcScan Laguna Madre Corpus Christi C Baccalaureate Program in Geographic Information Science Break 4:00 pm to 4:30 pm Afternoon Snacks in the Conference Special Interest Group Meetings 4:30 pm to 6:00 pm Nueces Ballroom A Vendor Area Still Open till 7:00 pm Nueces Foyer **Product Competition** 6:30 pm to 8:00 pm Sponsored Party 8:00 pm to 11:00 pm Dinner with Music and Dancing

No-Host Dinner

Daily Events Preview

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		HTM Erropherman og en med fillere skalet kommen og ette statte ette staten. De etterske skalet etterste skalet kommen og etterste skalet etterste skalet etterste skalet etterste skalet e
	Friday, November 18	
Conference Registration	7:30 am to 12:00 pm	Registration Desk - Third Floor Conference Center
Deluxe Continental Breakfast	7:30 am to 8:00 am	Conference Center Foyer
Breakout Sessions	8:00 am to 9:00 am	
	Doctor's Office	Matagorda
	Historic Landscape Reconstruction	Copano
	Using ArcTools Mapper	Laguna Madre
	File Conversion and Transfer Among Multiple CADD/GIS Applications	Corpus Christi C
Break	9:00 am to 9:30 pm	
Breakout Sessions	9:30 am to 10:30 am	
	Doctor's Office	Matagorda
	Producing Product During GIS Implementation	Copano
	GIS for Better Facilities Planning	Laguna Madre
	New Dimensions & New Directions for GIS	Corpus Christi C
Break	10:30 am to 11:00 am	Sodas and Coffee Available
University Focus	11:00 am to 12:00 pm	Nueces A
Lunch	12:00pm to 1:30 pm	Boxed Lunches Provided
Round Table Discussions	1:30 pm to 3:00 pm	Nueces A
Break	3:00 pm to 3:30 pm	
General Session and Closing Remarks	3:30 pm to 5:30 pm	Nueces A
Conference Ends	5:30 pm	
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Time and Locations To Be Arranged



Thursday Session 1 8:00 am - 9:00 am

Customizing ArcView 2

ArcView 2 provides many different customization capabilities. Users may A native of Pennsylvania and a biologist customize the behavior of documents and by education, Bernie Szukalski moved to themes by manipulating various properties Redlands, California, to accept a position and utilizing "Hot Key" functionality. working under a National Institutes of Additionally Avenue, ArcView's object- Health grant to study bone and mineral oriented scripting and development metabolism. There he stumbled onto environment, can be used to modify ESRI and into a new career in GIS in ArcViews graphical interface and extend 1986, when Arc/Info revision 3.0 and a the capabilities of ArcView through the Prime computer represented the 'state of creation of Avenue scripts.

This presentation will discuss the various Bernie has spent two and a half years in ways in which ArcView can be customized various position at ESRI, starting with the and present an overview of object- Applications Group before moving on to oriented programming within the context of the Technical Support Staff, Marketing Avenue. The creation of Avenue scripts Group, and applications Prototype will be described and the environment Laboratory. Currently he is a member of and other tools and utilities which the ArcView Product Development Team, compose the Avenue development also serving as Technical Coordinator for environment will be discussed.

Pen Based Computing

Discussion and demonstration will be geared toward the use of pen based computers for in-the -field update of geographic data.

Bernie Szukalsi ESRI. Inc. - Redlands

the art'

Matagorda

Copano

ArcView Developers.

David Dignum Jefferson County Appraisal District

David Dignum has a BS degree in Forest Management (1983) and an MS degree in Forestry (1988), both from Texas A&M University. He specialized in GIS and Remote Sensing. Since 1989 he has been employed with the Jefferson County Appraisal District where he serves as a GIS specialist. He has provided consulting services for the South East Regional Planning Commission, Orange County Appraisal District, Louisiana-Pacific / Kirby Forest Industries and Jasper County Appraisal District, David also chairs the Texas Association of Appraisal Districts Methods and Technology Committee.

Presentation Schedule

Thursday Session 1 8:00 am - 9:00 am

Management of Michael Clark and Database Ethnicity and Occupational 1910 Kindness Israel Census Data for Galveston, Stephen F. Austin State Texas

University, Nacogdoches, Texas

Laguna Madre

Efficient management of data is essential Michael Clark is with the Department of for any large database analysis. The Political Science and Geography, and Galveston 1910 census data of Kindness Israel is with the College of occupational and ethnic information Forestry at Stephen F. Austin State consists of thousands of hand written University. pages. Management of this complex dataset includes manual entry of all data into an automated database which reconstructs the data into a usable format for manipulation and analysis. AML programs written using Arc/Info read the raw data files, perform the necessary calculations for ethnicity and occupation. and output the results to a new data file. With this new data file compiled, many analysis tasks can be performed.

Mapping Your Database: Database design of Collin County, Texas County, Texas

framework.

and the data dictionary. The overall objective of a database design is to have a comprehensible document that describes how data resides in a system and the approach necessary to utilize that information

Tim Nolan

Corpus Christi C

Tim Nolan received his B.A. in GIS constitutes a framework in which to Geography from the University of North develop data standards, enhance the Texas in 1991. Prior to graduating, he sharing of information and provide more was a teaching and research assistant in efficient operation through the reduction of the Department of Geography and served redundant data maintenance procedures. a brief stint as the "whipping boy deluxe" A database design helps us to "map" this for the Center for Remote Sensing and Landuse Analysis (CRSLA). For the past two and a half years. Tim has been The discussion will focus on general goals involved in creating a working GIS that is established by Collin County and how a serviceable to many county-wide database design is used to satisfy our departments. Most recently, he has been needs. It will also touch on the database responsible for establishing Collin design concepts, implementation process County's GIS student internship program.

Thursday Session 2 9:30 am - 10:30 am

System.

Integrating GIS with Current Computer Systems for CAMA

This presentation will discuss the Melinda Polley is currently employed with problems and solutions associated with the Ellis County Appraisal District in moving your manual mapping system to Waxahachie as the GIS Coordinator. She full GIS implementation. Discussion will received her Bachelor of Science degree include bringing your manual system to a in 1989 at the University of Texas, Tyler. close, getting your staff trained to a Since then, she has worked at the Smith workable, operational level, and County Appraisal District before integrating your existing external accepting her current position. She is database with your geographic dataset. currently completing the parcel land base

Melinda Pollev **Ellis County Appraisal District**

Matagorda

Copano

for the county which will soon be integrated with the Mass Appraisal

Using the Records Jennifer Montano Land ESRI. Inc. - San Antonio Application

The Land Records application is designed Jennifer A. Montano has a Masters of to give you a method of maintaining your Public Administration from the University parcel database. Existing parcel records of Texas at Tyler. She joined ESRI-San and their associated graphics can be Antonio in May of 1993. Jennifer focuses manipulated using these tools and the her efforts on appraisal districts, local user interface allows novice users to governments and environmental markets. better access the data. This presentation will discuss further details of the Land The Office of Research Services at the Records Application.

University of Texas at Tyler was Jennifer's previous employer where she worked as a GIS Lab Technician. While there she gained experience in a variety of projects including parcel mapping and school boundary studies.

Presentation Schedule

Thursday Session 2 9:30 am - 10:30 am

Self Directed Management

Work Team J.Scott Sires

MCI Telecommunications

Laguna Madre

This presentation will discuss a new trend Scott Sires is such a unique specimen in in GIS team building that puts each GIS the world of GIS that words fail me in professional in their own self controlled describing his capabilities. (maybe next team setting and allows them to interact time he'll submit a bio) with other GIS teams.

Successful Geocoding Through Tom Hewlett Integrated Address Matching

Geocoding is a useful tool for determining the geographic locations of addresses. Tom Hewlett earned his B.A. in Geocoding also involves more than the geography at the University of North entering of a few commands. Successful Texas in 1989. While attending college, address matching requires the integration he worked as a Geographic Assistant for of address correcting and standardization the Census Bureau and then as a tools, accurate and multi-layered Research Assistant for the Geography coverages, reject processing techniques, Department at UNT. He has been with and quality control methods.

NCTCOG. Address correction using Texas at Arlington. commercial mailing list software. geocoding to street centerline and ZIP+4 centroid coverages, error checking, and default coding will be discussed. These techniques will help users avoid the many traps of address geocoding.

Corpus North Central Texas Council Of Christi C **Governments (NCTCOG)**

the NCTCOG since 1990. His current responsibilities include developing GIS This presentation relates the address tools and spatial data products for matching experience gained through a regional users. In addition, Tom is an regional travel survey project at the Adjunct GIS Instructor at the University of

Thursday Session 3 11:00 am - 12:00 am

What is ArcTools Mapper?

The ArcTools mapper provides a menu system to create and edit map layouts. It treats each map element as a separate object and provide much of the same mapping functionality as Arc/Info and ArcPlot. It also permits new users to quickly begin creating map products.

Cecil H. Lamb ESRI, Inc. - San Antonio

Cecil H. Lamb received a Bachelor of Arts in Geography from the University of Buffalo, New York, in 1986. He has been with the ESRI-San Antonio office since September of 1992. Although his focus is technical marketing. Cecil is also involved in technical support and application programming.

Cecil previously headed the System Support Unit for the New York State Department of Transportation's Mapping and GIS Bureau where he was responsible for GIS research and development.

Planning. Production and Gary Outlaw **Applications of Digital Orthos** Merrick & Co.

This presentation will focus on planning Gary Outlaw has been with Merrick & and producing digital orthophotography Co. since June of 1990 and currently for GIS applications. Discussions on flight manages all business development planning, survey coordination, digital activities for Merrick's GIS Surveying elevation models, scan resolutions and Mapping Division. Gary has been ortho rectification procedures will be involved with AM/FM/GIS solutions for discussed. Additionally, hear how other private and public agencies since 1985. local governments, federal agencies and He holds a Bachelor and Masters of private organizations are utilizing this new Business Administration from the GIS coverage.

University of Texas.

Copano

Matagorda

Presentation Schedule

Thursday Session 3 11:00 am - 12:00 am

Customer access to District's GIS reduces value protests

Kurt Menking Bexar Appraisal District

Laguna Madre

The Bexar Appraisal District has Kurt has worked for the Bexar Appraisal implemented a new Customer Query District as the Geographic Information System (CQS) to allow staff and Systems Manager He previously worked customers access to the District's GIS for Furgeson Map Company, and spent 9 information. This talk will discuss what the years with Petroleum Information in their CQS is, what it does, how it works and GIS department. Kurt has a Bachelors other details of its implementation. Then Degree from Southwest Texas State the benefits to the customers, staff and the University. public will be outlined. Finally, a summary of the results of the first year of operation

GIS Networking -How to win GIS Leann Gilley Support and influence enemies University of Texas - Tyler

Corpus Christi C

only benefits the school system but could the University of Texas, Tyler. also benefit other public and private entities.

During this presentation, expect a discussion of the details involved in the Tyler ISD project, recent project developments, and lessons learned for future projects. Also discussed will be how to use the needs of others to promote your own GIS program. "GIS Networking" can be the platform from which to launch much needed support within your organization.

Leann Gillev, the current TAIUG Combining existing resources in Tyler to President, holds a Bachelor's of Applied develop effective GIS networking has Arts and Sciences in Technology from aided in the development of local projects; the University of Texas, Tyler, and an one of which was the Tyler Independent Applied Arts and Sciences Degree in School District plan. An efficient, Land Surveying Technology from Tyler productive, and cost saving GIS was Junior College. Ms. Gilley is the developed by combining existing president and principle owner of information from the 911 Network of East Geo/Info, Inc., a full service GIS Texas, the City of Tyler and the school applications development firm and is district. The result is a database that not associated with the GIS Research Lab at

The TAIUG would like to extend a special thank you to the vendors who have supported this conference. Their efforts on our behalf are greatly appreciated.

ESRI, Inc.

Trimble Navigation

Merrick & Co.

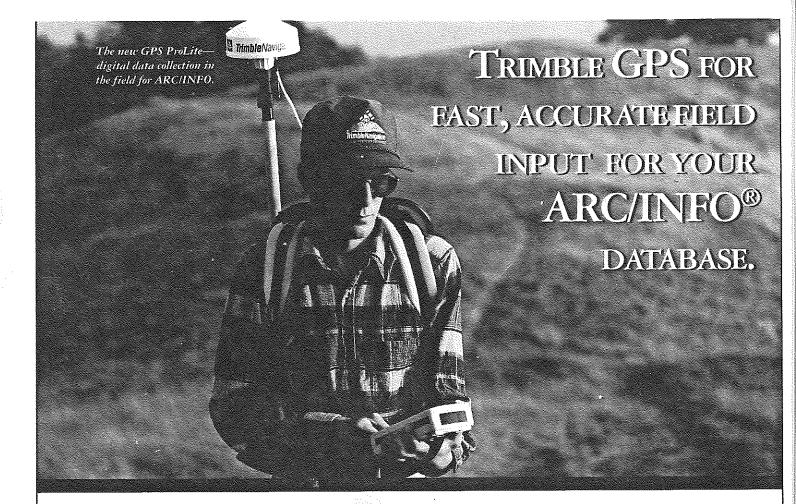
Geo-Info, Inc.

Half & Associates

Calcomp

Crowell Automated Design

Data General Corp



rimble GPS mapping systems provide a quick, efficient way to collect GIS data in the field and seamlessly transfer it to your ARC/INFO database. Our GPS Pathfinder[™] mapping systems enable you to record accurate position and feature data in the field and store that information directly to a digital format for use with ARC/INFO.

Trimble GPS Pathfinder mapping systems are rugged, field-proven data collection tools for recording geographic information on the ground, in the air or on the water. A range of systems is available to suit your specific budget and accuracy requirements, including lightweight handheld models and systems with sub-meter accuracy.

> For optimum efficiency, Trimble's PFINDER™ software converts collected GPS field data for a

seamless transfer to ARC/INFO, saving you time and money on data conversion. Seamless means your field data is automatically converted to ARC/INFO formats that include the proper file

All Trimble GPS mapping systems transfer your field data to ARC/INFO formats.

extensions for transferring the data to the appropriate coverage.

PFINDER software automatically creates ARC/INFO macro files, downloads polygons with automatic point labeling and also generates new coverages based on feature names you record in the field. Descriptions are easily predefined in the office using PFINDER software, so that out in the field, recording data is as simple as waving a barcode reader or pressing a button.

If you need a quick, efficient way to enter data to and update your ARC/INFO database, try out a Trimble GPS Pathfinder system—GPS that speaks ARC/INFO. For more information about GPS data collection for ARC/INFO systems, call us today.



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Thursday Session 4 1:30 pm to 2:30 pm

Doctors Office

ESRI Technical Staff

Matagorda

Got a problem? Not sure how a particular feature could be used to make your job easier? Here's your chance to get all the answers from the people that know Arc/Info and all of the ESRI products the best. Stop by at any time during this sessions and talk with one of the GIS "Doctors" on hand.

GPS in GIS: Fundamentals You Stephan S. Mock, Sr. **Must Know Trimble Navigation**

Copano

This presentation will help give the Stephan Mock holds a B.S. Degree in attendee a "working concept" of GPS Computer Sciences from Stephen F. fundamentals including:

Applications of GPS The Navstar GPS Satellite System Obtaining Positional Data Processing GPS Data Bi-Directional transfer of GPS data to a GIS

Austin University and has worked with various GPS products and softwares. His greatest involvement with GPS has been with Trimble while compiling survey data for "field to finish" projects.

Types of Receivers Accuracies Mission Planning Field Operation of GPS Receivers

Presentation Schedule

Thursday Session 4 1:30 pm to 2:30 pm

Regions in Arc/Info Ver. 7.0

Arc/Info version 7.0 contains updates in many areas, including additions of a new feature class Shelia has over 8 years of computer called Regions. This presentation will concentrate on the following:

What are Regions? What is the purpose for Regions? How do you create Regions? How do you manipulate and edit Regions? How do you use them in queries and analyses?

command reference and a brief demonstration.

Shelia Sullivan-Weems ESRI. Inc. - San Antonio

Laguna Madre

services experience. She joined the ESRI - San Antonio team appoximately three years ago, primarily as a workstation Arc/Info trainer. Over time she transitioned from trainer to technical marketer and support concentrating heavily on local government. Presently she serves as the Regional Manager in the San Antonio The presentation will include details on the office, supervising a growing office of ten GIS professionals. She is responsible for supporting local users and for providing marketing services to potential clients in Texas, Louisianna, Mississippi, Oklahoma and Puerto Rico.

> Prior to joining ESRI, Shelia was employed by Landata, Inc., of Houston. As one of an original two member team hired to implement PC Arc/Info, she

Topic And Presenter To Be Arranged

Corpus Christi C

Thursday Session 5 3:00 pm to 4:00 pm

Doctors Office - Continues

ESRI Technical Staff

Matagorda

Got a problem? Not sure how a particular feature could be used to make your job easier? Here's your chance to get all the answers from the people that know Arc/Info and all of the ESRI products the best. Stop by at any time during this sessions and talk with one of the GIS "Doctors" on hand.

Civil Engineering Solutions on a Dave Totten GIS Data Model Plus III Software, Inc.

Copano

are proponents for making the GIS data Software, Inc., has a bachelor of model the information and solution center Sciences in Civil Engineering from the for the enterprise. With a wide variety of University of Florida. He was marketing users making up the enterprise, one size manager for GIS and Engineering fits all becomes a difficult if not impossible solutions for Data General Corp. He also task for any data model to accommodate. has had his own systems integration

Users who have access to this information Information Systems prior to joining Plus need a view of the data that is consistent III. He now heads up the GIS Division of with their particular view of the world. Civil Plus III Software, Inc. Engineers that are involved in site development, hydrology, land fill, road design or other infrastructure management see the world as a 3D land model and need a 3D land data model to design and analyze their 3D sites, roads, pipes and slopes.

In order to make civil engineers within the enterprise happy with the GIS data model. 2D data models with valuable information must somehow be able to store and/or be transformed into a 3D land model. This 3D land model can then be used to design sites, roads and highways, mines, landfills, sewers as well as many other types of analyses.

Many people within the GIS community Dave Totten, Vice President of Plus III business specializing in Spatial

Presentation Schedule

Thursday Session 5 3:00 pm to 4:00 pm

What is ArcScan?

ArcScan is Arc/Info's new raster editor and raster-to-vector conversion package. ArcScan is designed to help you build vector databases using scanned raster images as input. With ArcScan, you can take a scanned image, align it to a map Administration in Computer Information coordinate system, correct any errors in the image, remove unwanted features or noise, then extract the raster lines to create an Arc/Info Coverage.

Chitra Subramaniam ESRI, Inc. - San Antonio

Laguna Madre

Chitra Subramaniam received a Master of Applied Geography in Geographic Information Systems / Cartography in 1991 and a Bachelor of Business Systems in 1988 from Southwest Texas State University in San Marcos. She has been employed at ESRI-San Antonio since February of 1993.

Prior to joining ESRI, Chitra presided as the Chairperson of the Texas GIS Standards Committee for the Department of Information Resources in Austin. She was responsible for coordinating the GIS standards effort for the State of Texas which included the development of the publication "Standards and Guidelines

Baccalaureate Program Geographic Information Science Dr. Katherine H. Price

a strong demand for professionals in the areas of GIS and Professional Land Christi Surveying in Texas prompted the design of a new undergraduate program in Gary Jeffres holds a Ph.D., M.S., and Geographic Information Science a Texas B.S. in Surveying Sciences and A&M University - Corpus Christi. The Surveying Engineering. He is the Director program is being planned by faculty, of Geographic Information Science at the researchers, an active member of the Conrad Blucher Institute. surveying profession, and a senior GIS manager in a Texas government agency. Katherine Price holds a Ph.D, M.A., and This team assembled data on historical B.A. in Physical Geology and Geography. employment and student requirements for She is an Adjunct Professor of Geology presentation to and approved by the for TA&MUCC and a Research Scientist Texas Higher Education Board.

This session will describe the philosophy of the degree program and will host a discussion on GIS education at the university level.

In Dr. Garv Jeffres **Conrad Blucher Institute** Numerous employment opportunities and Texas A&M University - Corpus

for the Conrad Blucher Institute.

Corpus Christi C

Friday Session 6 8:00 am to 9:00 am

Doctors Office - Continues

ESRI Technical Staff

Matagorda

Got a problem? Not sure how a particular feature could be used to make your job easier? Here's your chance to get all the answers from the people that know Arc/info and all of the ESRI products the best. Stop by at any time during this sessions and talk with one of the GIS "Doctors" on hand.

Landscape Paul R. Blackwell and Michael Copano Historic Reconstruction Clark La Nana Creek Watershed, Stephen F. Austin State Nacogdoches, Texas University

La Nana creek is a culturally rich Paul Blackwell and Michael Clark are landscape which represents an important with the Tucker Center, College of asset to the people of East Texas. In an Forestry, Stephen F. Austin State effort to appreciate the historical University in Nacogdoches, Texas. significance of this area, historical landscape reconstruction was undertaken using GIS techniques to recreate the topography of the La Nana Creek watershed as it existed prior to landscape alterations stimulated by local and federal interest in flood control. Methodologies included manual digitization of topographical maps and aerial photo series from the 1940's and 1950's. These data were used to create a Triangulated Irregular Network (TIN) from which a rasterized representation (LATTICE) of the landscape was produced. The raster layer was further manipulated resulting in a reconstructed morphologic landscape theme for the La Nana Creek Watershed

Presentation Schedule

Friday Session 6 8:00 pm to 9:00 pm

What is ArcTools Mapper?

The ArcTools mapper provides a menu system to create and edit map layouts. It treats each map element as a separate object and provide much of the same mapping functionality as Arc/Info and

Repeat of Thursday at 11:00 am.

quickly begin creating map products.

ArcPlot. It also permits new users to

Cecil H. Lamb ESRI. Inc. - San Antonio

Laguna Madre

Cecil H. Lamb received a Bachelor of Arts in Geography from the University of Buffalo, New York, in 1986. He has been with the ESRI-San Antonio office since September of 1992. Although his focus is technical marketing, Cecil is also involved in technical support and application programming.

Cecil previously headed the System Support Unit for the New York State Department of Transportation's Mapping and GIS Bureau where he was responsible for GIS research and development.

A Study of file conversion and Chester Helt transfer among CADD/GIS applications across multiple hardware platforms

This presentation is a study of file workstation software. An intensive analysis of the IGDS export/import in Arc/Info is covered as well as file import and export from several distinct sources.

multiple Halff Associates, Inc.

Corpus Christi C

Chester Helt holds a Bachelor's of Science in Physics from Oklahoma State University (1974) and a Masters of Science in Physice from Central State conversion between an Intergraph / Bently Public Service Co. of Oklahoma, C.H. University (1984). He has worked for Guernset & Co. Southwest Electric Co. and currently holds a position with Halff Associates, Inc.

Friday Session 7 9:30 pm to 10:30 pm

Doctors Office - Continues

ESRI Technical Staff

Matagorda

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GIS for Better Facilities Planning Leann Gilley **University of Texas - Tyler**

Laguna Madre

The Tyler Independent School District (TISD) expressed a desire to study their Leann Gilley, the current TAIUG school facilities using GIS for the purpose President, holds a Bachelor's of Applied of determining future facility needs based Arts and Sciences in Technology from on current and projected enrollment the University of Texas, Tyler, and an figures. TISD administrators utilized an Applied Arts and Sciences Degree in Arc/Info generated school attendance Land Surveying Technology from Tyler application to examine the spatial Junior College. Ms. Gilley is the relationships between students and president and principle owner of facilities on a street network coverage of Geo/Info, Inc., a full service GIS the area. This allowed them to identify applications development firm and is schools which were under or over utilized associated with the GIS Research Lab at according to student populations. By the University of Texas, Tyler. examining other demographic statistics such as racial and ethnic make-up. TISD administrators then identified ways in which to readjust attendance zone boundaries while still adhering to court mandated desegregation guidelines. As a result, school district officials have recognized a need to close several older facilities in favor of newer ones which will better accommodate future student

populations.

Presentation Schedule

Friday Session 7 9:30 pm to 10:30 pm

Implementation of GIS

Producing Product During Ron L. Reynolds City of Plano

Copano

This presentation will discuss our Ron holds Bachelors and Masters experiences with producing map products Degrees in City and Regional Planning during the implementation of our GIS, from the University of Texas - Arlington, Primary focus will be on a small press run. He interned at the City of Euless before of the City of Plano Zoning Atlas. The accepting his current position of two and process will be followed through from a half years with the City of Plano. design stage, finding a printer, to prepress and the final product.

New Dimensions & New Directions for GIS

Robert W. Redding Plangraphics. Inc.

Corpus Christi C

Change is taking place in business and Robert Redding joined PlanGraphics in industry at an ever increasing pace. 1994 after having been the Arc/Info "Fuzzy Logic" is the name of a technology system administrator for Fairfield that provides a way to recognize and deal. Digitizing Services in Houston. He is now with the real events associated with a senior research analyst working out of change If built into a system, fuzzy logic the Western and Pacific Regional technology can make the system respond Consulting Group in San Antonio. This to its environment, and make adjustments office supports PlanGraphics clients in that keep the system pursuing a goal the the Western U.S., Mexico and Central way human beings would.

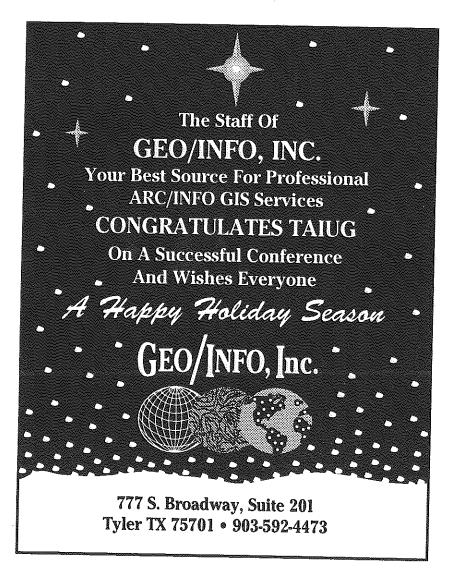
networking and area analysis. But it really Agriculture. people, technology and work process. GIS University. provides the digital information infrastructure that enables many systems to be integrated into the work process, but primarily it integrates people with information.

Properly integrated, GIS will aid in system integration and give the user the tools to excel.

America. His background is n project management. AM.FM/GIS Where does GIS fit into this picture? GIS implementation and new technology integrates. We know it as a system that integration. Robert has a Bachelor of integrates spatial data management with Science in Geography and a Master of Natural integrates a host of very different things - Development from Texas A&M

University Focus

TAIUG will present the Second Annual GIS Education Competition on Friday, November 18 from 1:30 to 4:00 pm. Two papers will be presented in this year's competition. Pamela Kersh will represent the University of Texas at Tyler with her paper, "GIS as an Environment Planning and Resource Management Tool for Urban and Regional Planners". Richard Lawrence. Ernest Fish, and S. Demaris will represent Texas Tech University with a paper titled, "Automated Wildlife Home Range Data Collection and Analysis with PC Arc/Info.



A Special Thanks to Geo-Info, Inc. for Co Sponsoring Thursday's Continental Breakfast

Special Meetings

Round Table Discussions

This event involves attendees going to a topic table of their choice and discussing that topic for 15 minutes, then rotating to another topic table The topics and table hosts are:

UNIX - Cecil Lamb
PC Arc/Info - Leann Gilley
ArcView 2 - Bernie Szukalski
ArcPlot - Jennifer Montano
ArcEdit - Chitra Subramaniam
AML - Sheila Sullivan-Weems
GPS - John Beadles

Special Interest Groups

After several rounds of the previous software oriented topics, the topics and hosts will change to SIG related topics. These will be:

Transportation - Cecil Lamb
Appraisal Districts - David Dignum
911 - Jan Funderburgh
Municipal Government - Jennifer Montano
County Government - Tim Nolan
State Government - Chitra Subramaniam

