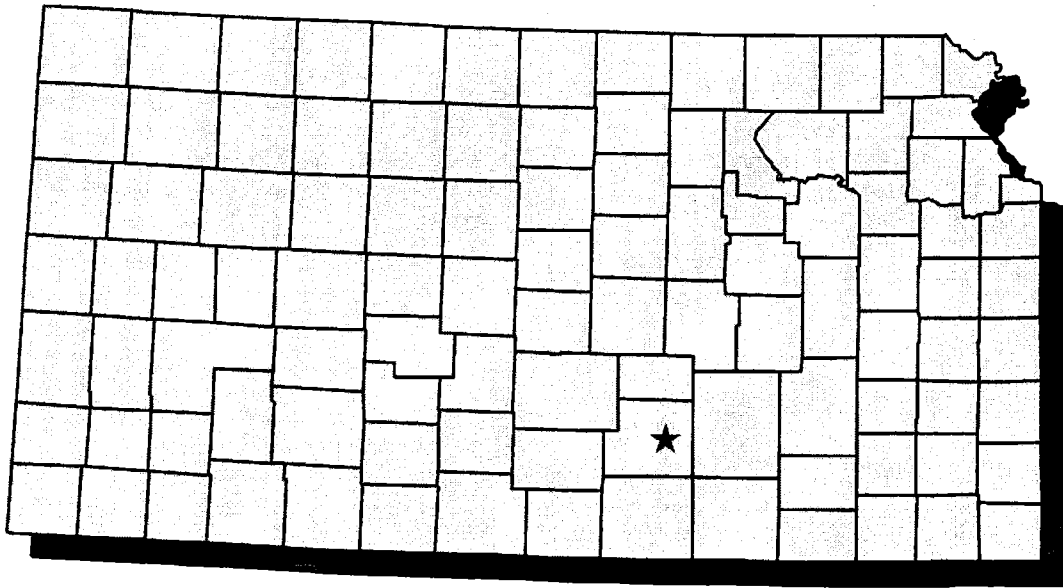


# Fourteenth Annual

**Final Program**



**September 26-29, 1999 – Wichita, Kansas**

# KAM CONFERENCE

**Mapping into the Next Millennium**

## A Special Thank You

KAM wishes to thank everyone who has contributed to this year's conference. Our annual conference is possible due to the continuous support of our speakers and exhibitors.

### 1999 Exhibitors

ESRI  
KBP Reprographics  
M.J. Harden Associates, Inc  
MARKHURD  
Mid-Kan Blueline, Inc  
Midland Engineering  
PMC, ProMap Corp  
Seiler Instrument  
Shafer, Kline & Warren, Inc  
Sokkia Corporation  
Walker Associates, Inc

## Education Points Available

Continuing education certificates will be available to KAM members for selected sessions of the conference. To obtain your certificate, pick-up the voucher available at the end of each eligible session. Keep this voucher, it is the only document that may be exchanged for a certificate. Between 4:30 and 5:30 p.m. Monday and Tuesday, you may redeem this voucher for the actual certificate at the registration table. If you have any questions, contact Deb Epperson. The following sessions are eligible for certificates.

AutoCAD MAP 2000 Class  
Cartographic Design  
Documenting Your Data  
Manual to Automatic Data Conversion  
Legal Description Interpretation  
Public Works Issues  
A Demo of Mapping Applications Utilizing CAMA  
Contracting for Mapping Services  
Intro to Databases – A Conceptual Look

## Conference Survey

Included in your conference materials is a survey to be completed regarding this year's conference. Please take a moment to complete this survey and give us your comments and suggestions. Your input is a key ingredient to the continuation of our annual conferences. There will be a box at the registration table throughout the conference for your completed survey.

## Map Gallery

Be sure to visit the 2<sup>nd</sup> Annual Map Gallery. Designed to give all members an opportunity to demonstrate what they have done during the year, the Map Gallery is located in (Room 209A and 209B) with the Exhibitors.

Stop by and see your fellow KAM members' projects and start preparing now for your contributions next year.

## Parking Facilities

Conference Parking is free for attendees that have a room at the hotel. For attendees who are staying elsewhere, parking is \$4 a day. The parking garage is attached to the east end of the hotel.



## Register For The Grand Prize

This year, KAM is giving away a 900 MHz cordless phone on the last day of the conference. To be eligible for the Grand Prize, complete the Grand Prize registration form (included in your conference materials) and drop it in the Grand Prize drawing box before the end of the day Tuesday.

**YOU MUST BE PRESENT ON WEDNESDAY TO WIN!**

## 1999 Program Committee

Jayson Troughton, Chair  
M.J. Harden Associates

Judy Palenski  
Shawnee County

Darlene Lister  
City of Ottawa

Linda Sibert  
Shawnee County GIS

Chris Chappell  
Jefferson County GIS

# 1999 KANSAS ASSOCIATION OF MAPPERS CONFERENCE

## WELCOME

Welcome to another exciting KAM Conference! The 14<sup>th</sup> Annual KAM Conference is filled with informative sessions, great speakers, tasty food, interesting people, and fun. This year we have sessions that appeal to a wide variety of mapping professionals and speakers who have accumulated over 180 years of experience. The exhibitor room opens with the Monday night reception and will be showcasing the latest in technology, the 2<sup>nd</sup> Annual Map Gallery, the KAM Library, and the KAM History table. The Map Gallery is a sort of "show & tell" opportunity for all members to demonstrate what they have done during the year. In addition, we've designed a schedule that allows each of you time to discuss professional issues with your fellow conference attendees. I challenge each of you to take full advantage of the sessions, speakers and exhibit room by learning new things and meeting new people. This conference is an excellent opportunity for doing both!

I look forward to seeing each of you over the next three days. If I may be of assistance, please let me know.

Scott Tabb, PKM  
President

### Fourteenth Annual KAM Conference Schedule

#### Sunday, September 26, 1999

<b>3:00 p.m. – 5:00 p.m.</b>	<b>KM (Kansas Mapper) testing</b>	<b>To be announced</b>
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#### Monday, September 27, 1999

<b>8:00 a.m. – 10:00 a.m.</b>	AutoCAD MAP 2000 class.	<b>1400 E. Waterman</b>
<b>9:00 a.m.–10:00 a.m.</b>	Conference Registration	<b>Foyer D</b>
<b>10:30 a.m.–11:00 a.m.</b>	Conference Welcome & Review  Scott Tabb, PKM – KAM President	<b>Ballroom D</b>
<b>11:00 a.m.–Noon</b>	Keynote Speaker  Barbara Quinn Cincinnati Area Geographic Information Systems (CAGIS) Administrator – Cincinnati, OH.	<b>Ballroom D</b>
<b>12:00 p.m.–2:00 p.m.</b>	Luncheon  Annual KAM Awards Executive Board Nominations Scott Tabb – Introduction to KAM web site.	<b>Ballroom E, F, G &amp; H</b>
<b>2:00 p.m.– 3:00 p.m.</b>	Concurrent Sessions <b>Cartographic Design</b> B.J. Wooding, PKM, CMS Barton County Appraiser's Office Good cartographic design is essential in mapping regardless of how it is made, by hand or computer. This session will review cartographic design elements and show how the design can increase the functionality of the map or give misleading information.  <b>Building a Web Site: A beginner's guide</b> Chris Chappell, Jefferson County, KS This session will focus on building a basic web site. Topics covered will be planning the site, creating graphics, building the web pages and publishing the site.	<b>Room 204</b>         <b>Room 205</b>

# Fourteenth Annual KAM Conference Schedule

## Monday, September 27, 1999

### Legal Description Interpretation

Room 208

*Deanna Hermreck, Miami County, LIMO Department (Land Info Management Office)*

This session will cover the history of the Governmental Land Survey System, and the different types of legal descriptions will be discussed.

3:30 p.m. – 4:30 p.m. **Concurrent Sessions**

### Contracting for Mapping Services

Room 204

*Ken Brelsford, Senior Consultant, Government/Utility Division – M.J. Harden & Associates*

Outsourcing mapping services is one of the largest cost in the GIS implementation process. This session will cover the process beginning with the development of database and conversion specifications, defining the scope of work, contract requirements, performance criteria (quality assurance/quality control), communications, deliverables and project change control. Also presented will be alternatives to the traditional bid process for acquiring mapping services.

### Documenting Your Data

Room 205

*Eileen Battles – Data Access and Support Center (DASC)*

FGDC? MetaWHAT? Have you been tasked with documenting your spatial files? If so, this session should be of interest to you. The "Documenting Your Data" session will explore various FGDC Metadata development tools – both free and commercial. The session will also briefly cover the current metadata standard and provide some samples of compliant FGDC metadata.

### Manual to Automatic Data Conversion

Room 208

*Jeff Corns, ProMap Corporation – Ames, IA*

This session will cover the issues that arise when moving from a manual mapping system to a GIS. Topics will include data sources, development of a GIS, data conversion techniques, maintenance of a GIS, and structure and management of a GIS. This will be an open forum and questions are encouraged.

4:30 p.m.–5:30 p.m. **Redeem Continuing Education Vouchers**

Foyer D

5:30 p.m.–8:00 p.m. **Exhibitor Reception & Map Gallery**

Room 209 A & B

Drinks & hors d'oeuvres

Door Prizes

Exhibitor Introductions

Remember to register for the Grand Prize Drawing!

## Tuesday, September 28, 1999

7:30 a.m. –9:00 a.m. **Coffee & Rolls with Exhibitors**

Room 209 A & B

9:00 a.m.–10:00 a.m. **Concurrent Sessions**

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## **A Demonstration of Mapping Applications Utilizing CAMA Data**

**Room 208**

*Linda Sibert, GIS Systems Specialist, Shawnee County, KS*

*Chris Chappell, GIS Coordinator, Jefferson County, KS*

This session will show how one county downloads data in an AS/400 environment and how another county retrieves data in a Mainframe environment. After some slight modifications of the raw data you can display several layers of valuable data based on information from CAMA. Examples will include zoning, subdivisions and neighborhoods. You will also see how the ArcView GIS Spatial Analyst extension can be used to display sales, grade / CDU and other CAMA information on a map.

## **10:30 a.m.–11:30 a.m. Concurrent Sessions**

### **Intro to Databases – A Conceptual Look**

**Room 204**

*Peter Veenstra, Project Consultant – Application Development – M.J. Harden & Associates*

This one hour session will define the why, what, where, when and how of a Relational Database Management System (RDBMS) in relation to Geographic Information Systems. The talk will focus on the main components of a RDBMS and the underlying theory of basic design and construction of these systems in terms that the lay person can understand. The talk will conclude with an overview of the Spatially enabling technologies that extend these systems into the world of mapping and GIS.

### **Public Works Issues**

**Room 205**

*Kyle Tjelmeland, GIS Coordinator, City of Topeka*

This session will focus on the experiences of a Public Works office. Sharing Data between city and county will be discussed as well as many of the data sets that have been developed. Many of the unique experiences the City of Topeka has dealt with will be discussed including a vendor going bankrupt and converting entire data sets to a new software platform. The session will also cover metadata, standards, integration with Maintenance Management Systems (MMS), electronic submittal of data, GPS, access across the Internet / Intranet, ARC/INFO 8.0 as well as the many uses of GIS within Public Works.

### **Digital Orthophotography –**

#### **What is it and how is it used as a GIS tool – Part I**

**Room 208**

*Marvin Miller MARKHURD*

This session will cover the fundamentals of digital orthophotography and is intended as a primer to the follow up session at 1:00. In this session a variety of introductory material will be presented that is designed to give potential users a solid background on processes used to create a digital orthophotograph.

## **11:30 –1:00 p.m.**

### **Lunch with Exhibitors**

**Room 209 A & B**

### **Voting**

To be eligible to vote, you must wear your name tag and have paid your membership dues for 1998.

# Fourteenth Annual KAM Conference Schedule

Tuesday, September 28, 1999

1:00 p.m.–2:00 p.m.

## Concurrent Sessions

### Legal Description Interpretation

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This session will cover the history of the Governmental Land Survey System, and the different types of legal descriptions will be discussed.

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Room 205

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### Digital Orthophotography –

#### What is it and how is it used as a GIS tool – Part II

Room 208

*Marvin Miller MARKHURD*

This session will recap the introductory program from the 10:30 session but will emphasize digital orthophotography as a GIS layer/tool. Time for questions and discussion will be provided.

2:30 p.m. –3:30 p.m.

## Concurrent Sessions

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4:00 p.m.-5:00 p.m.

## Journey through the Labyrinth

Ballroom D

*Jeanne C. Tucker – Tucker and Associates*

In this session Jeanne C. Tucker will explore the mystery of the labyrinth as an ancient tool used in relaxation practices for centuries. This tool for relaxation dates back to the Middle Ages and today is finding a rebirth across the United States. Jeanne's labyrinth program has been written about in The Topeka Capital Journal. Ms. Tucker will bring a portable labyrinth, which can be

# Fourteenth Annual KAM Conference Schedule

## Tuesday, September 28, 1999

walked on as well as finger labyrinths. Everyone will be able to try the intricate path way of the labyrinth if they wish.

4:30 p.m.–5:30 p.m.     **Redeem Continuing Education Vouchers**     *Foyer D*

8:00 p.m.– ?     **An Evening at “The Cowboy Club”**     *2nd & Mosley*  
You are invited to The Cowboy Club for an evening of fun. A “special area” has been reserved for conference attendees. You are responsible for your own transportation and KAM is paying the cover charge. We hope to see you there.

## Wednesday, September 29, 1999

8:30 a.m.–9:45 a.m.     **Coffee & Rolls**     *Foyer D*

10:00 a.m.-11:30 a.m.     **Panel Discussion:**     *Ballroom A, B & C*  
**Is Accuracy worth the Cost? Find out from the experts**  
*Ivan Weichert – Moderator and Guests*  
Surveyors, Mappers, Photogrammetrists and Planners discuss the issue of Data Accuracy v. Cost. Is one more important than the other?

Noon – 1:30 p.m.     **Luncheon**     *Ballroom D & E*

1:30 p.m.– 2:30 p.m.     **Annual Business Meeting**     *Ballroom D & E*  
Announcement of new Executive Board  
Swearing in of new Executive Board  
Grand Prize Drawing

## Biographies

### Keynote Speaker

**Barbara Quinn** Has been the Administrator of Cincinnati Area GIS (CAGIS) since 1994. She has led that system from an automated mapping system serving 24 people to a geographic information system serving 700 people. She is a proponent that GIS embedded in workflows can improve intra and inter government and utility coordination and to that end has led the City of Cincinnati and Hamilton County Ohio in automation of their permitting process. An additional goal of the project is to embed the updating of the GIS system into the permitting, work order and capital improvements processes. CAGIS was recognized for its achievements in GIS and for “Making a Difference” by ESRI at their 1998 User’s Conference and for Special Achievement in Systems Integration, Design and Implementation by Sierra Computer Systems in 1999.

Before coming to CAGIS, Barbara was Director of the Center of Urban Policy and the Environment at Indiana University, Vice President of Consulting with Intelligraphics (now ASI), and Director of Public Works at the City of Indianapolis. She has a BS in Business (Organizational Behavior and Design), and a MS in Education, both from Indiana University.

### Tuesday Afternoon Speaker

**Jeanne C. Tucker** Jeanne C Tucker, Tucker and Associates is a consultant and trainer for adult life enrichment programs. After retiring from state government (Aging Program Manager) and academia (Washburn University as Executive Director, Gerontology Institute and as a Program Developer with Continuing Education at the University of Kansas), she has been following a map of adult life enrichment programs and continuing education. Her Labyrinth journey began in 1995 as a part of the development of the Quiet Garden of Kansas and continues to lead her overseas and throughout the United States exploring the richness of this ancient centering tool.

### Auto CAD MAP 2000 Class

**Les Waggoner** has taught Adult Education at the Salina Area Vocational Technical School in Salina and has over 5 years of corporate instruction and technical support experience with Mid-Kan Blueline, Inc.

## Panel Discussion Speakers

**John Cowan** has been with Riley County for 16 years and is currently the GIS Coordinator he is also a former president of KAM.

**Patrick Liposhack** has been associated with Shafer Kline & Warren, Inc., a regional multi-discipline firm since 1967, and serves as Director of Land Survey. Mr. Liposhack is a licensed Land Surveyor in both Kansas and Missouri. his land surveying experience includes boundary and monumentation surveys, construction staking, and surveys for all types of public works, private, industrial, commercial, and residential projects. He has coordinated all phases of field surveys, ranging from established horizontal and vertical control and locating pertinent property corners to preparing cross-sections and topography.

In addition, Mr. Liposhack has prepared and supervised the preparation of easements and legal descriptions as required for the firm's land surveying projects. He is a member of the Kansas Society of Land Surveyors, Kansas City Metro Surveyors Association, and the Missouri Association of Registered Land Surveyors.

**Scott Perkins**, vice-president of business development, worked his way up to become one of Western Air Maps' primary leaders. With 15 years experience in the photogrammetry industry, Scott has a thorough knowledge of photogrammetry, surveying and computer technology. Coupled with his dynamic personality, he is Western Air Maps' lead spokesman for the company, charged with determining its long range future.

Scott's training and dedication has guided him in providing technical presentations on computer methods and photogrammetric techniques for student organizations, state surveying societies and many other professional groups. Scott leads a strong growing sales force and manages the daily production of mapping operations of the Digital Compilation and Computer Aided Drafting Departments.

Continually marketing the mapping industry, Scott stays abreast of the changing technology with his education and professional memberships including American Society of Photogrammetry and Remote Sensing, American Congress of Surveying and Mapping, National Computer Graphics Association and the Urban and Regional Information Systems Association.

**Carlton Scroggins** received a BS in Architectural History from the University of Kansas in 1988. In 1992 he graduated with an Masters of Urban Planning (MUP) from the University of Kansas with a emphasis in economic development and housing. While earning his Master's degree Carlton worked as an intern with the City of Lawrence, KS Planning Department. In 1994, he began working in the Planning Department for Shawnee County and the City of Topeka as a Planner I.

Currently with the City of Topeka, Carlton works in the long range section with transportation, comprehensive planning and serves as the department's GIS Specialist with the title of Planner II. Carlton has been a KAM member since 1997.

**Ivan Weichert** is currently the Project Officer for the State of Kansas Department of Health and Environment GIS Section and is a member of the MAGIC 2000 Symposium. He has been the Deputy Director of the Shawnee County Public Works department as well as the Shawnee County Zoning/Flood Plain Administrator. He is a past Chairman of the Shawnee County GIS Policy Committee, and the Kansas GIS Standards Task Force.

After 15 years as a professional builder, Mr. Weichert became increasingly involved in local and regional government issues, and served 6 years on the Shawnee County Planning Commission, 2 years a chairman. Mr. Weichert then made the jump over the fence to public service in fall of 1993 as Zoning Administrator of Shawnee County. He recognized early, the potential of GIS to impact the ability of government to better serve the informational needs of the public as well as its own internal efficiency. His favorite work philosophies are "If it ain't broke...break it!" and "Don't just think outside the box, throw it away".

**Susan R. Williams, PKM** began working for the State of Kansas, Department of Revenue, Division of Property Valuation in February of 1986. She worked as a Regional Cartographer through all phases of the Reappraisal Program, participated in the development instruction of PVD mapping courses and was the GIS Coordinator for the division. Her specialties include cadastral mapping, photography and GIS. Susan is a founding member of the Kansas Association of Mappers and has served as both President and Treasurer.

## Session Speakers

**Eileen Battles** joined the DASC team in November, 1995. She graduated from the University of Kansas in May 1993 with a Bachelor of Arts degrees in Geography and Environmental Studies. After graduating she was employed by a national public busing company as a GIS Analyst. In this position, Eileen assisted in the creation and enhancement of a computer assisted routing package using MapInfo software. This package was installed at the school bus contract locations across the country. Eileen's primary roles at DASC include processing custom database requests, SDE development, and client support.

**Chris Chappell** graduated from Northwest Missouri State University, Maryville with a BS in Geography. Chris has been with Jefferson County, Kansas since the inception of the GIS department in 1995 and is currently the GIS Coordinator for the county. Chris has been designing web sites for just over a year and has designed the KAM and Jefferson County web sites as well as a couple of web sites professionally. Chris served on the KAM program committee for the past two years and held position of director on the KAM board in 1998.

**Jeff Corns** is Senior Project Manager at PMC. At PMC, Jeff has been responsible for a number of GIS design, development, and implementation of projects throughout the Midwest. He oversees all production aspects of PMC's GIS projects from



## Biographies

scheduling of a project to the installation and training of clients. Jeff is an ESRI Authorized ArcView Instructor and a member of the Association of American Geographers and the American Congress on Surveying and Mapping. He holds a BS from the University of Iowa in Geography with an emphasis in GIS.

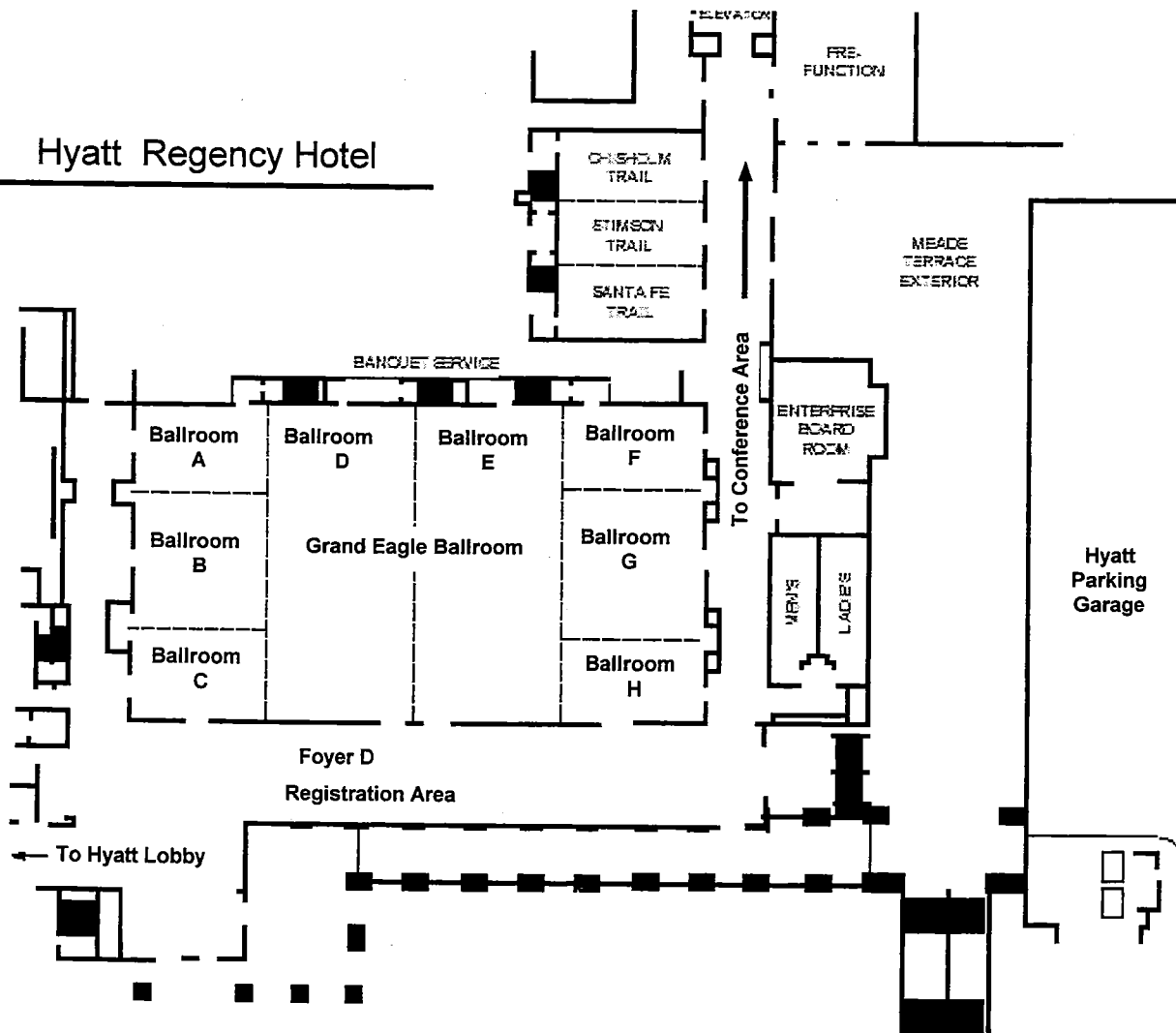
**Kyle Tjelmeland** is currently the GIS Coordinator for the City of Topeka Public Works Department, a position held since 1991. Kyle received a bachelor's degree from Kansas State in Environmental Engineering Technology. Kyle has worked in the City of Topeka Engineering Department and in the Engineering section of the Water Department. Prior to that he worked at the Water Treatment Plant for 5 years.

Kyle has been involved in two GIS implementations during his tenure. The first was with Ulitmap GIS from Minneapolis, MN; the second and current system is ARC/INFO. The City of Topeka and Shawnee County share a common cadastral database and digital orthophotography of the county. The City of Topeka has been developing its facilities data for years. The goal is to make all facilities information fully integrated and easily available to anyone.

**Linda Sibert** has been in the cartography field for eight years. She started as a manual cartographer in Wabaunsee County and received her KM designation in 1994. In 1996, looking for an opportunity to work with GIS she changed employers and started working for Shawnee County. In just three years she has progressed from an end user to developing and maintaining programs for all the departments in the county. She is solely responsible for the local maintenance of the Public Access program used by the city of Topeka and all of Shawnee County offices. For seven years Linda has been an active member of KAM and has been on the program committee for the last two years.

**Peter Veenstra** works as a Project Consultant in the Applications Development Team a M.J. Harden Associates Inc. Over the past five years he has specialized in Application Development, Relational Data Management Systems and data management, using ESRI Product Suite. Peter graduated from the University of Ediburgh, Scotland in 1994 with a Masters in Information Systems. Current projects include ESRI Spatial Database Engine Implementations, MapObjects2.0, and ArcINFO8.0 development.

### Hyatt Regency Hotel



# Fourteenth Annual KAM Conference

## Conference Area

