

# Cartography Specialty Group

Association of American Geographers



Volume 25, Number 1

Winter 2005

## Words from the Chair

*Jim Young*

It has been a real privilege and pleasure for me to serve as Chair of the Cartography Specialty Group for the past year. At professional meetings and in conversations with colleagues, I have been reminded of the important role that maps continue to play in our society. The sophistication and power of new methods of spatial analysis and visualization are truly amazing; people from all walks of life have access to enormous amounts of spatial data and representation of that data as the “democratization of cartography” (as Joel Morrison has described) continues at a rapid pace. Many CSG members continue to be leaders in the development of these new ideas and techniques. I hope most of you will be able to attend the AAG meeting in Denver, CSG Vice-Chair Michael Leitner has organized a great set of sessions at the meeting that will highlight the work of CSG members.

The technology for spatial analysis and display is impressive, but some recent conversations with some former students reminded me of how even a simple map can wield considerable power. One graduate of our M.A. program is now working with a regional conservation organization. The organization makes extensive use of GIS to store and analyze data about the physical and cultural characteristics that affect environmental quality in the area; the use of GIS by this organization was initiated and implemented by former students who discovered how spatial analysis could help solve the conservation problems they were so interested in studying. But this one former student spends a lot of time meeting with landowners, community officials, and other stakeholders to talk about land use and ways of protecting the environment of the region (including conservation easements, land trusts, etc.). He often faces a chilly reception, because distrust of outsiders (coming in to tell one what to do with the land) still runs deep in rural Appalachia. One of his most effective tools for opening a dialogue with the landowners

is to open up a map of the region – the effectiveness of a map in helping break down barriers and beginning communication has been a real surprise for him.

The Cartography Specialty Group and other professional organizations with similar interests can continue to play a leadership role in development and dissemination of knowledge about mapping. We have a powerful tool that makes a difference in the lives of many people and we must continue to do what we can to make that tool more widely available. Doing our research and teaching our students are the main ways we typically do our work, but being active in organizations such as the CSG is also important. Attend the CSG sponsored sessions at the AAG meeting and don’t forget about the CSG business meeting the evening of Wednesday, April 6.

Also consider running for a CSG officer position. I have found the CSG Chair position to be an opportunity to deepen my understanding of what it means to be a cartographer and geographer. Serving in a leadership role with the CSG is an opportunity to make an impact on the discipline of cartography (and perhaps on a broader community) that goes beyond teaching and research.

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## ICC 2005 International Map Exhibition A Coruña, Spain, July 2005 Entry Deadline February 28<sup>th</sup>

The U.S. National Committee of the International Cartographic Association (ICA) invites you to submit your current publications of maps, atlases, and other cartographic products to the *International Map Exhibition* at the *2005 International Cartographic Conference* in A

Coruña, Spain the week of 9-16 July 2005. You do NOT have to attend ICC 2005 in order to participate in the map exhibition!

The International Map Exhibition is the premier international forum for displaying maps, atlases, and other cartographic products. It provides an excellent opportunity to feature the exceptional quality and diverse range of American cartography. Awards will be given by an international panel of judges to products exemplifying excellence in cartography. We encourage you to contribute to this exhibit.

ONLINE ENTRY FORMS may be accessed via the following website:

[www.samford.edu/schools/artsci/geography/icc2005maps](http://www.samford.edu/schools/artsci/geography/icc2005maps)

ENTRY FORMS MUST BE SUBMITTED to Max Baber online NO LATER THAN FEBRUARY 28, 2005 to reserve space for your entry. A separate entry form should be submitted for each item. The information on these forms will be included in a printed catalog of exhibit items for conference participants.

MAP EXHIBIT ITEMS MUST BE RECEIVED BY APRIL 10, 2005. Please provide two copies of any maps or panel displays, and one copy of any table display (atlases, globes, etc.) or digital products (see next paragraph). After completing the online Entry Form, send exhibit items to the US Map Exhibit coordinator at the address found at the end of this message.

ALL DIGITAL MAP ENTRIES MUST BE SUBMITTED ON A CD-ROM. Each CD-ROM must be labeled with the map titles, and simple, explicit directions on how to view the map. If possible, hard-copy versions of the maps should be provided.

Although we are encouraging all entries, space allotted to the United States at the A Coruña exhibit is restricted. Therefore, please limit your choices to your most outstanding products. Any item produced after January 2001 that was not exhibited at the Beijing or Durban conferences is eligible for the exhibit. All items selected for display will be donated to university libraries in A Coruña following the conference.

Max Baber  
USNC-ICA Map Exhibit Coordinator  
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800 Lakeshore Drive  
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205-726-2109

## Call for CSG Nominations

The Cartography Specialty Group Nominations Committee requests nominees for the following offices up for election:

Vice Chair (2005-2006)  
Academic Director (2005-2007)  
Student Director (2005-2006)

Continuing officers for the coming year include Michael Leitner (who will become the new chair), David K. Patton (Secretary-Treasurer through 2006), Cory Eicher (Non-Academic Director through 2006), Mark Harrower (Academic Director through 2006), and Jim Young (who will become the Past Chair).

Please contact Judith Tyner by February 28, 2005 to suggest possible candidates ([jztyner@csulb.edu](mailto:jztyner@csulb.edu)).

## Master's Thesis Research Grant Call for Applications

March 15<sup>th</sup> is the next application deadline for the Master's Thesis Research Grant Program. These grants are available to masters students working on cartographic research and who are enrolled in a geography degree program. Grants are available to \$300 and may be used for items necessary to research such as travel, materials, equipment, and human subject fees.

An application form can be obtained from the Non-Academic Director (contact information follows). The student also will submit a three-page description of the research plan. Three people review each research plan and provide valuable commentary to the student on the proposal whether funded or not. Other deadlines for submission are June 15<sup>th</sup> and November 1<sup>st</sup> of each year. For more details on the program, go to:

<http://www.csun.edu/~hfgeg003/csg/master.html>

Cory Eicher  
CSG Non-Academic Director  
ESRI, Inc.  
380 New York Street  
Redlands, California 92373  
[ceicher@esri.com](mailto:ceicher@esri.com)

## “Ask Dr. Map”

For the last two years, the American Congress on Surveying and Mapping's Bulletin has published a column on cartography called "Ask Dr. Map." The author, who wishes to remain anonymous, has now added a web site at <http://www.drmap.info>. Questions to Dr. Map can be

sent to [askdrmap@cox.net](mailto:askdrmap@cox.net). Dr. Map tells me that the column is about "irrelevant, irreverent cartography." A web site revision is under way, and I'm told that Dr. Map has plans for a book of the "best" columns, illustrated with maps and images. CSG members are encouraged to visit the web site, and to send map questions.

### **"Developing Cartographic Literacy with Historic Maps" Summer Seminar 27 June to 15 July 2005 The Newberry Library in Chicago**

The Newberry Library's Hermon Dunlap Smith Center for the History of Cartography invites school teachers nationwide to apply for its 2005 NEH summer seminar, "Developing Cartographic Literacy with Historic Maps." This 3-week seminar led by Jim Akerman (The Newberry Library) and Jerry Danzer (Emeritus, The University of Illinois at Chicago) is designed to promote an understanding of the culture and history of cartography, to develop cartographic literacy, and to encourage effective map use in the classroom. A program of seminars based on recent scholarship in the history of cartography, hands-on workshops, and guided individual research will allow teachers to explore the relevancy of geography and historic maps to their own interests and teaching needs. The seminar sessions and workshops will serve as forums for refining and applying the skills necessary to read maps as products of science, artistic creations, rhetorical tools, storytellers, and expressions of power; and as representations of worldviews and local landscapes.

Applications are encouraged from teachers of a broad range of courses and grade levels. Successful applicants will receive a stipend of \$2,400 to help defray travel and housing expenses. **Completed applications must be postmarked no later than Tuesday, 1 March 2005.**

Additional information and application materials are available at

<http://www.newberry.org/smith/L3rsmith.html>

or by contacting:

Susan Hanf  
The Hermon Dunlap Smith Center  
The Newberry Library  
60 W Walton St  
Chicago IL 60610  
e-mail: [hanfs@newberry.org](mailto:hanfs@newberry.org)  
phone: 312-255-3659.

"Developing Cartographic Literacy with Historic Maps" is supported by a major grant from the National Endowment for the Humanities.

### **Auto-Carto 2005, A Research Symposium March 18-23, 2005**

The Cartography and Geographic Information Society (CaGIS) is hosting a research symposium on the state of cartography in the 21st century. While the series of Auto-Carto conferences from 1974–97 provided the basis of digital cartography and critical input to the development of GIS, all of them occurred prior to widespread use of the Internet and World Wide Web. With the advent of these technologies cartography has changed again and new research is underway to develop geospatial data and databases, geovisualization techniques, and innovative tools and applications for the 21st century.

Auto-Carto 2005 will be held in conjunction with the ACSM-CLSA-NALS-WFPS Conference and Technology Exhibition at the Riviera Hotel, Las Vegas, Nevada, March 18–23, 2005. Experience a week of exciting new research in cartography and geographic information science (GIScience). Research presentations will include:

- ▶ Geospatial data models
- ▶ Geovisualization methods and tools
- ▶ Geospatial data integration
- ▶ Generalization
- ▶ Mobile mapping and GIS
- ▶ Maps for location-based services
- ▶ Interactive mapping & web map services
- ▶ Spatio-temporal GIS & dynamic maps
- ▶ The National Map
- ▶ Projection of geographic databases
- ▶ National and regional atlases
- ▶ Geographic and cartographic standards
- ▶ History of the digital cartography transition
- ▶ Ubiquitous mapping
- ▶ Geocollaboration
- ▶ Geovirtual environments
- ▶ Mapping to support Homeland Security
- ▶ Visually enabled spatial data mining
- ▶ User-centered design of mapping tools
- ▶ Methods for understanding map users/applications

For more information:

<http://www.acsm.net/cagis/carto2005/>

### **Call for Papers: International Symposium on Spatial/Geographic Data Visualization**

The 4th International Symposium on Spatial/Geographic Data Visualization (part of the 9th International Conference on Information Visualization IV05) will meet July 5-7, 2005 at the University of Greenwich in London, England.

The analyses and visualization of spatial/geographic data profoundly affects our lives. From the dynamic television weather map to national census, property/tax maps, and navigational maps (both static as well as the increasingly common in-car navigation systems), people either use or are impacted by spatial data and the visualization methods utilized in their analyses and product development. This symposium will address issues, methods, research, as well as current technologies in the area of spatial data visualization. The arena of spatial data visualization includes, but isn't limited to static and dynamic maps, Geographic Information Systems (GIS), GPS, and Remote Sensing. Specific topics that may be addressed include:

- ▶ Methods for visualizing spatial data
- ▶ Spatial data mining and knowledge discovery
- ▶ Interactive, multimedia, & animated maps - methods
- ▶ Interactive, multimedia, & animated maps - design issues
- ▶ Raster vs. vector based visualization methods
- ▶ GIS interface
- ▶ Environmental perception and learning
- ▶ Spatial data quality-assessment and impact
- ▶ Spatial data and environmental modeling
- ▶ Environmental 3-D rendering
- ▶ 3-D GIS Environments
- ▶ Virtual Environments

#### Important Dates:

1 March 2005 – Submission of papers & Submission of tutorials <revised date>

30 April 2005 – Submission of camera-ready & early registration closes

#### For more information:

<http://www.graphicslink.demon.co.uk/IV05/GeoVis.htm>

Anita D'Pour  
 Conference Co-cordinator  
 P.O. BOX 29, HATFIELD, AL9 7ZL, United Kingdom.  
 T: (Int. +44) 1707 - 652 224  
 F: (Int. +44) 1707 - 652 247  
 E: [IV05@graphicslink.demon.co.uk](mailto:IV05@graphicslink.demon.co.uk)  
 URL: [www.graphicslink.demon.co.uk/IV05/](http://www.graphicslink.demon.co.uk/IV05/)

-or-

Dr Amy Lobben  
 Department of Geography  
 University of Oregon  
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## ICA Seminar on Internet-Based Cartographic Teaching and Learning: Atlases, Map Use, and Visual Analytics

The following commissions of the International Cartographic Association:

Commission on Cartography and Children  
 Commission on Education and Training  
 Commission on National and Regional Atlases  
 Commission on Maps and the Internet  
 Commission on Visualization and Virtual Environments  
 announce a joint ICA seminar on internet-Based Cartographic Teaching and Learning: Atlases, Map Use, and Visual Analytics

[http://redgeomatrica.rediris.es/ICA\\_Madrid2005/](http://redgeomatrica.rediris.es/ICA_Madrid2005/)

to be held in Madrid, Spain July 6-8, 2005

Information on the meeting, as well as other upcoming meetings, can be obtained through the Upcoming meetings link on the Maps and the Internet commission home page:

<http://maps.unomaha.edu/ica/>

The call for abstracts is here:

<http://maps.unomaha.edu/ica/Maps&Internet/Upcoming/Madrid/Callforabstracts.htm>

Deadlines:

Submission of abstracts: April 1  
 Notification of authors: April 15  
 Submission of papers: May 20

Michael P. Peterson, Chair  
 International Cartographic Association Commission on  
 Maps and the Internet  
 Department of Geography / Geology  
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## Walter W. Ristow Prize in the History of Cartography and Map Librarianship

The WALTER W. RISTOW PRIZE seeks to recognize achievement in cartographic history and map librarianship and is offered annually by the WASHINGTON MAP SOCIETY.

WHO MAY APPLY: The competition is open to all full or part-time upper-level undergraduate, graduate and first-year postdoctoral students attending accredited colleges or universities.

**ENTRY CRITERIA:** Entries are to be research papers or bibliographic studies related to cartographic history and/or map librarianship. In the case of undergraduate and graduate students, the entries shall have been completed in fulfillment of requirements for course work. A short edition of a longer paper is permitted; papers of shorter length have been highly competitive. The text may not exceed 7,500 words, in English. Papers must be fully documented in a style of the author's choice (endnotes preferred). Inclusion of clear graphics supporting the paper is appreciated.

**DEADLINE:** Entries must be postmarked by June 1st and sent to Robert Rhodes, Ristow Prize, 2733 Carter Farm Court, Alexandria VA 22306, USA.

**FORMAT:** Entries must be submitted in one unbound copy with appropriate title page and cover sheet. The cover sheet must include the entrant's name, address, telephone number(s), and e-mail address (if available) for timely contact. Please be certain that identifying material does not appear on any page except for the cover sheet.

**JUDGING CRITERIA:** Entries will be judged on three broad criteria: importance of research, (e.g., originality, sources); quality of research (e.g., accuracy, source reliability); quality of writing (e.g., clarity, command of cartographic terms).

**JUDGING METHODS:** Entries will be assessed by three judges of suitable cartographic background. Judges will receive anonymous copies of entries, read them independently, and report their assessments to a collator.

**THE AWARD:** The winner will receive \$1000 after submitting a copy of the paper ready for publication in *The Portolan*, the journal of the Washington Map Society; and a one-year membership in the Washington Map Society.

Walter W. Ristow, co-founder and first president of the Washington Map Society, is Chief, Emeritus of the Geography and Map Division of the Library of Congress.

For more information contact:

Robert Rhodes  
[rgrhodes@starpower.net](mailto:rgrhodes@starpower.net)

### Cartographic Web Sampler

Forward to editor any links you would share with CSG.

Faculty and students at East Central University in Ada, Oklahoma are developing a "Web Atlas of Oklahoma." Check out their progress at <http://www.okatlas.org>.

CartoTalk <http://www.cartotalk.com/> is a new public forum serving the cartography and design community.

California Geographical Survey <http://geogdata.csun.edu> presents the World Atlas of Panoramic Aerial Maps [http://130.166.124.2/world\\_atlas/index.html](http://130.166.124.2/world_atlas/index.html) via their Electronic Map Library <http://130.166.124.2/library.html>. The new map collection contains almost 500 panoramic maps of Earth's many diverse landscapes.

### You might be a Cart/GIS professional if:

(Thanks and/or blame go to Gene Turner & Bill Huxhold for passing along this item.)

- ▶ You hear the words spatial and enterprise and do not think of Star Trek
- ▶ Your idea of curling up with a good book is with a Rand McNally Street Atlas
- ▶ You assume that the people around you are yawning because they are tired
- ▶ You are the only person in your organization that realizes the term 'GIS system' contains a redundancy
- ▶ You actually care about what datum was used
- ▶ FGDC metadata does not put you to sleep
- ▶ You find yourself critiquing Mapquest maps
- ▶ You see an address and wonder how that codes into the centerline
- ▶ You notice inconsistent signage on streets
- ▶ You can navigate a southbound trip without turning the map upside down
- ▶ You are not amazed that a dispatcher knows where your cell phone call is coming from
- ▶ The Map Store is your favorite stop at the mall
- ▶ When told to turn 'East' you know which way to go
- ▶ You can make the wrong turn and get back on the correct route without anyone else knowing it wasn't just part of the trip
- ▶ You can give directions without mentioning McDonalds or Starbucks

### CSG Sponsored Sessions – AAG 2005 Denver

#### *Session 2121: Mapping Humanity's Knowledge and Expertise in the Digital Domain I*

Wednesday, 4/6/05, 8:00 AM - 9:40 AM

*Organizer(s):*

André Skupin - University of New Orleans

Katy Borner - Indiana University

*Chair(s):*

Katy Borner - Indiana University

*Presenters(s):*

8:00 – *Sharing Symbols, Layers, and Keys in Our New Connected Age*, Deborah MacPherson - Accuracy & Aesthetics

8:20 – *Visualizing the Semantic Web*, Elijah Wright

8:40 – *Mapping All of Science and Technology at the Paper Level*, Kevin Boyack - Sandia National Laboratories

9:00 – *The Geography of GeoScience Co-Authorship Networks*, Rui Carvalho - University College London

9:20 – *Building a multi-year database of AAG conference abstracts*, André Skupin - University of New Orleans

**Session 2201: Applications of Spatial Data Mining and Visualization Techniques**

Wednesday, 4/6/05, 10:00 AM - 11:40 AM

*Organizer(s):*

David Wong - George Mason University

*Chair(s):*

James E. Burt - University of Wisconsin-Madison

*Presenters(s):*

10:00 – *Spatial Data Mining for Predictive Soil Modeling*,

James E. Burt - University of Wisconsin-Madison

10:20 – *Challenges and new possibilities for visual exploration of historical U.S. census data*, Jonathan P. Schroeder - University of Minnesota-Twin Cities

10:40 – *Spatio-temporal data mining in US domestic airline market using Self-organizing Maps*, Jun Yan - Western Kentucky University

11:00 – *Developing a Data Visualization platform for Agricultural Economic and Demographic data*, Vince Breneman - USDA-Economic Research Service

*Discussant(s):*  
David Wong - George Mason University

**Session 2221: Mapping Humanity's Knowledge and Expertise in the Digital Domain II**

Wednesday, 4/6/05, 10:00 AM - 11:40 AM

*Organizer(s):*

André Skupin - University of New Orleans

Katy Borner - Indiana University

*Chair(s):*

André Skupin - University of New Orleans

*Presenters(s):*

10:00 – *Building Spatial Metaphors for the Catalogue of Oregon Marine and Coastal Information*, Colin Cooper - Oregon State University

10:20 – *Charting excursions through bioscience literature to create review articles on the fly*, Shannon Bradshaw

10:40 – *Testing the Urban Landscape Metaphor in Spatialization*, Sara Irina Fabrikant - University of California - Santa Barbara

11:00 – *Knowledge Domain Visualizations for Education* Peter Hook - Indiana University

11:20 – *Maps of Knowledge and Expertise for the Masses* Katy Borner - Indiana University

**Session 2403: Distributed GIS 1 Systems Development**

Wednesday, 4/6/05, 1:00 PM - 2:40 PM

*Organizer(s):*

Chaowei Yang - George Mason University

Yichun Xie - Eastern Michigan University

*Chair(s):*

Chaowei Yang - George Mason University

*Presenters(s):*

1:00 – *A Framework for Areal Interpolation and its Applications for Geospatial Data Interoperability in a Distributed GIS Environment*, Philipp Schneider

1:20 – *GIS XML Web Service: A Solution to Ubiquitous GIS Service*, Ling Zhang - University of North Carolina at Chapel Hill

1:40 – *A Web-based Data Analysis System for Watershed Management*, Prof. Chang-Tien Lu

2:00 – *Semantic Communication and Integration in Geospatial Web Services*, Xuan Shi - West Virginia University

2:20 – *GISolve: A Grid-based Problem Solving Environment for Computationally Intensive Geographic Information Analysis*, Shaowen Wang - University of Iowa

**Session 2503: Distributed GIS 2 - Geospatial Information Portals**

Wednesday, 4/6/05, 3:00 PM - 4:40 PM

*Organizer(s):*

Chaowei Yang - George Mason University

Yichun Xie - Eastern Michigan University

*Chair(s):*

Yichun Xie - Eastern Michigan University

*Presenters(s):*

3:00 – *The Science Environment for Ecological Knowledge (SEEK): A Distributed Environment for Ecological Modeling and Analysis*, Deana D. Pennington - University of New Mexico

3:20 – *“Andean Amazon GIS Web Portal” (AAGWP) – using webGIS as a tool for multinational environmental data management and access*, Zhaohui Jennifer Fu - Florida International University

3:40 – *A Comparison of Various National & International Spatial Metadata Standards*, Harold J. Moellering - Ohio State University

4:00 – *A Mid-Atlantic Interoperable Geospatial Information Service Portal*, Chaowei Yang - George Mason University

*Discussant(s):*

Ming-Hsiang (Ming) Tsou - San Diego State University

Yichun Xie - Eastern Michigan University

**Session 3210: Issues on Spatial Data Mining**

Thursday, 4/7/05, 10:00 AM - 11:40 AM

*Organizer(s):*

David Wong - George Mason University

*Chair(s):*

May Yuan - Univ of Oklahoma

*Presenters(s):*

10:00 – *Data repository environment for spatial data mining* Ying Cao - George Mason University

10:20 – *Modeling GIS data for geographic dynamics discovery*, May Yuan - University of Oklahoma

10:40 – *Towards a Mining and Discovery Environment Using Semantic Integration*, Terry Janssen - Lockheed Martin

11:00 – *XML based Spatial-Temporal Data Mining and Dissemination of Sea Ice Data*, Yingqi Tang

11:20 – *Problems in developing an agent-based system to detect spatial variations in disease risk*, Chetan Tiwari - University Of Iowa

**Session 3233: Student Illustrated Paper Competition I**

Thursday, 4/7/05, 10:00 AM - 11:40 AM

*Organizer(s):*

Christine M. Erlien - University of North Carolina

French Tyler Huffman - University of Connecticut

*Chair(s):*

Sarah Battersby

*Presenters(s):*

10:00 – *Changes in Australian Vegetation Cover*, Melissa Demetrakopoulos - Salem State College

10:05 – *Mapping 10 years of forest cover regeneration in Massachusetts: A comparison of pixel-based and object-based classification*, Trevor Gareth Jones - Clark University

10:10 – *Land Cover Changes in Australasia, 1999-2003* Michael DuBois - Salem State College

10:15 – *Tampa Bay and Charlotte Harbor Estuary Comparison for the adult spotted sea trout. A Habitat Suitability Analysis*, Robert Stetson

10:20 – *Variations in Australia's Vegetation Cover*, Michelle Roy - Salem State College

10:25 – *Land Conversion along the Transoceanic Road Inapari-Iberia: A Socio-Spatial Study of Road Extension and Forest Fragmentation*, Andrea Birgit Chavez - University of Florida

10:30 – *A Feature-Based Temporal Representation and Its Implementation with Object-Relational Schema for Base Geographic Data in Object-Based Form*, Yanfen Le - University of Georgia

10:35 – *Mapping With Words*, Jian Liu - University Of Wisconsin - Madison

10:40 – *An Improved Dasyetric Mapping Method for Remodeling Census Population*, Shuo-Sheng Wu - Texas State University

**Session 3433: Student Illustrated Paper Competition II**

Thursday, 4/7/05, 1:00 PM - 2:40 PM

*Organizer(s):*

Christine M. Erlien - University of North Carolina

Sarah Battersby

*Chair(s):*

French Tyler Huffman - University of Connecticut

*Presenters(s):*

1:00 – *Map-Use Testing of the ColorBrewer Color Schemes for Accommodation of the Color-Vision Impaired*, Steven David Gardner - Pennsylvania State University

1:05 – *Geographic and Nongeographic Signs in Mixtec Codices: A Taxonomy*, Lynda Manning-Schwartz - Texas State University - San Marcos

1:10 – *Community Oriented Geospatial Education: The Southwest Missouri State University College of Natural*

*and Applied Sciences Centennial Project*, Christopher Wood

1:15 – *Half a Century of Spatial and Temporal Landscape Changes in the Finley River Basin, Missouri*, Teri E. Hunsinger - Southwest Missouri State University

1:20 – *Satellite Data GIS Server for Education and Research at Southwest Missouri State University*, Shannon K Lear

1:25 – *Multi-seasonal Characterization of Land Use / Land Cover in Iquitos, Peru*, Amy L Norman - University of Texas at Austin

1:30 – *Urban Land Use Mapping Using Object-oriented Classification Method* Sun Hui Sim - University of California Santa Barbara

1:35 – *Modeling and Prediction of Urban Landscape: The Case Study of Nang Rong, Thailand*, Pariwate Varnakovida

**Session 4150: Visualization I: Challenges**

Friday, 4/8/05, 8:00 AM - 9:40 AM

*Organizer(s):*

Amy Lobben - University of Oregon

Robert M. Edsall - Arizona State University

*Chair(s):*

Robert M. Edsall - Arizona State University

*Presenters(s):*

8:00 – *Balancing "individual privacy" and "the public's right to know" or how to properly display the location of confidential crime data on publicly available Internet sites*, Michael Leitner - Louisiana State University

8:20 – *Automating Cartography: Why computers struggle to be competent cartographers*, Mark A Harrower - University Of Wisconsin, Madison

8:40 – *Design Patterns for Cartography and Data Graphics*, Adam Light - University of Oregon

9:00 – *Cultural Factors in Geovisualization Interface Design: Designing for Diversity*, Robert M. Edsall - Arizona State University

**Session 4250: Visualization II: ToolKits and Design**

Friday, 4/8/05, 10:00 AM - 11:40 AM

*Organizer(s):*

Amy Lobben - University of Oregon

Robert M. Edsall - Arizona State University

*Chair(s):*

Robert M. Edsall - Arizona State University

*Presenters(s):*

10:00 – *The GeoWall and its Potential for Geographic Education*, Terry A. Slocum - University Of Kansas

10:20 – *Visualization of Long-term Temporal Data*, Ke Liao

10:40 – *A Visual Analysis Framework for Qualitative Methodologies*, Tanuka Bhowmick - Penn State University

11:00 – *Combining the GeoViz Toolkit with the InfoVis Toolkit*, Dr. Frank Hardisty - University of South Carolina

**Session 4350: Visualization III: Applications and Research**

Friday, 4/8/05, 12:00 PM - 1:40 PM

*Organizer(s):*

Amy Lobben - University of Oregon

Robert M. Edsall - Arizona State University

*Chair(s):*

Amy Lobben - University of Oregon

*Presenters(s):*12:00 – *Effective methods or fancy graphics? Using topographic maps to search for principles in geovisualization*, Brandon Adair12:20 – *Visualizing Map Comprehension and Spatial Abilities*, Megan Lawrence - University Of Oregon12:40 – *An Experimental Study Comparing Two Map Tasks Using Functional Magnetic Resonance Imagery*, Judy M. Olson - Michigan State University1:00 – *Cartographic and Geographic Visualization Techniques in the Study of Prehistory in the Mongolian Altai Mountains*, James E. Meacham - University of Oregon**Session 4450: Visualization IV: Visualizing Trends**

Friday, 4/8/05, 2:00 PM - 3:40 PM

*Organizer(s):*

Amy Lobben - University of Oregon

Robert M. Edsall - Arizona State University

*Chair(s):*

Amy Lobben - University of Oregon

*Presenters(s):*2:00 – *Rapid Delivery of Surveillance Maps for the USGS West Nile Virus Web Site*, Susan D. Price - United States Geological Survey2:20 – *Interaction Design Techniques for Geovisualization: Designing and Assessing Tools for Cancer Epidemiology*, Anthony Robinson - Pennsylvania State University2:40 – *Spatiotemporal Arboviral Surveillance in Florida - Tracking West Nile Virus using GIS and Animation*, Gregory Ross - University of Florida3:00 – *An Animated Atlas of Air Traffic over North America*, Michael P. Peterson - University of Nebraska-Omaha**Session 4532: The Roles of Visualization in Spatial Data Mining**

Friday, 4/8/05, 4:00 PM - 5:40 PM

*Organizer(s):*

David Wong - George Mason University

*Chair(s):*

Barbara Buttenfield - University of Colorado

*Presenters(s):*4:00 – *Spatial Knowledge Discovery through an Integration of Visual Data Exploration with Data Mining*, Tong Zhang - San Diego State University4:20 – *Data Resolution as a Possible Bias in Association Rule Mining*, Barbara Buttenfield - University of Colorado4:40 – *Algorithms for Cartographic Enhancement of Soft-Classified Images*, Barry Joel Kronenfeld - George Mason University5:00 – *Spatial summarization of point distributions*, Yukio Sadahiro - University of Tokyo5:20 – *Urban Growth Modeling: Spatial Analysis, GIS, and Logistic Regression*, Zhiyong Hu - University of West Florida**Calendar****April 5-9, 2005.** Association of American Geographers annual meeting. Denver, Colorado..  
<http://www.aag.org/>**March 6-9, 2005.** Geospatial Information and Technology Association Conference. Denver, Colorado.  
<http://www.gita.org/events/annual/28/index.html>**March 18-23, 2005.** Autocarto 2005: A Research Symposium. Las Vegas, Nevada.  
<http://www.acsm.net/cagis/carto2005/>**May 30 - June 2, 2005.** GIS Planet 2005. Lisbon, Portugal.  
<http://www.gisplanet.org/>**July 5-7, 2005.** International Symposium on Spatial/Geographic Data Visualization. London, England.  
<http://www.graphicslink.demon.co.uk/IV05/GeoVis.htm>**July 9-16, 2005.** International Cartographic Conference. A Coruña, Spain  
<http://www.icc2005.org/>**July 25-29, 2005.** ESRI User Conference. San Diego, California.  
<http://www.esri.com/events/uc/>**August 1-3, 2005.** GeoComputation 2005. Ann Arbor, Michigan.  
<http://igre.emich.edu/geocomputation2005/>**September 1-4, 2005.** British Cartographic Society annual symposium. Plymouth, England.  
<http://www.cartography.org.uk/>**October 12-15, 2005.** North American Cartographic Information Society annual meeting. Salt Lake City, Utah.  
<http://www.nacis.org>**November 7-10, 2005.** Urban and Regional Information Systems Association annual meeting. Kansas City, Missouri.  
<http://www.urisa.org>

## Newsletter Deadline

Submission of items for the next CSG newsletter should be received by April 31<sup>st</sup> for the spring issue. Please send items of interest to:

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## How to Change your AAG Contact Info ...

Have you experienced problems receiving Cartography Specialty Group information via the CSG listserv? Update your contact information directly through AAG.

Member contact information (address, email, phone) can be updated via the AAG website (<http://www.aag.org>). Select "Change of Address" from the "Membership" tab on the home page and follow the directions to update all of your member information.

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