

# UCGIS Summer Assembly

Jackson, Wyoming  
June 28 – July 1, 2005

## Tuesday, June 28

9:00 A.M. – 1:00 P.M.	UCGIS Board Meeting and Lunch	Timberline One
1:15 – 3:00	Research Committee Education Committee Membership Committee	Timberline One Timberline Two Timberline Three
3:00 – 3:30	Break	Timberline Mezzanine
3:30 – 5:00	Policy and Legislation Committee Communication Committee Research Projects Committee	Timberline One Timberline Two Timberline Three

## Wednesday, June 29

8:00 A.M. – 9:00 A.M.	Continental Breakfast	Teton Mezzanine
9:00 – 9:15	<i>Welcome and Introductions</i> Mary Lou Larson, University of Wyoming Nina Lam, UCGIS President	Teton Room
9:15 – 10:15	<i>Plenary Session</i> Roger Downs, Pennsylvania State University “Support for Thinking Spatially: The Incorporation of Geographic Information Science Across the K-12 Curriculum”	Teton Room
10:15 – 10:30	Break	Teton Mezzanine
10:30 – Noon	<i>Panel Discussion</i> USGIF and the Geospatial Intelligence Academy	Teton Room
Noon – 1:00 p.m.	Lunch	Grand Room
1:00 – 3:00	<i>Panel Discussion</i> Model Curricula Project GIS&T Body of Knowledge	Teton Room
3:00 – 3:30	Break	Lobby
3:30 – 5:00	Concurrent Student Paper Sessions	
	<i>Session 1 – Designing Geospatial Web Systems</i> <i>Moderator: Tim Nyerges</i>	Timberline One
	1.1 Design and Implementation of WebGD Framework. Surya Halim, Oregon State University	
	1.2 Removing Syntactic Barriers for Semantic Geospatial Web Services. Xuan Shi, West Virginia University	
	1.3 Deliberations among Experts and Laity. Nikhil Kaza, University of Illinois at Urbana Champaign	

	<i>Session 2 – Space-Time Movement Analysis</i> <i>Moderator: Robert Edsall</i>	Timberline Three
	2.1 U-Access: A Web-Based Spatial Decision Support System Routing Pedestrians of Different Abilities. Adam Sobek, University of Utah	
	2.2 Choice-Based Estimation of Alonso's Theory of Movement: Methods and Experiments, Guoxiang Ding, Ohio State University	
	2.3 Indexing Design for Correlation Queries on Spatial Time Series Databases: A Summary of Results. Pusheng Zhang, University of Minnesota, Twin Cities	
5:00 – 8:00	Reception and GIScience Bowl	Teton Room
 <b><u>Thursday, June 30</u></b>		
8:00 A.M. – 9:00 A.M.	Continental Breakfast	Teton Mezzanine and Teton Room
9:00 – 9:15	Welcome and Introduction	Teton Room
9:15 – 10:15	<i>Research Plenary</i> John Wilson, University of Southern California “GIS and the City: A GISer's Guide to Advancing Policy and Practice”	Teton Room
10:15 – 10:30	Break	Teton Mezzanine
10:30 – 12:00	Concurrent Student Paper Sessions	
	<i>Session 3 – Improving Geospatial Datasets</i> <i>Moderator: Dawn Wright</i>	Timberline One
	3.1 A Slope- and Elevation-based Filter to Remove Non-Ground Measurements from Airborne LIDAR Data. Xuelian Meng, Texas State University, San Marcos.	
	3.2 The Nature and Classification of Unlabelled Neurons in the Use of Kohonen's Self-Organizing Map for Supervised Classification. Zhe Li, Clark University	
	3.3 Updating Spatial Datasets Using Geographic Information Systems and Remote Sensing Techniques. Justin Shedd, North Carolina State University	
	<i>Session 4 – Geospatial Knowledge Representation</i> <i>Moderator: Greg Elmes</i>	Timberline Three
	4.1 Neural Representation of Polygon Layers. Jose Silvan, Texas State University, San Marcos	
	4.2 Knowledge Discovery from Mining the Spatial Associations between Cancer Mortality and	

Socioeconomic Characteristics. Srinivas Vinnakota,  
Louisiana State University

4.3 Spatial Knowledge Discovery through an Integration  
of Visual Data Exploration with Data Mining. Cristiano  
Giovando, San Diego State University

Noon – 1:00 P.M.	Lunch	Poolside/Rafferty's
1:00 – 3:00.	<i>Concurrent Workshops</i>	
	<ul style="list-style-type: none"> <li>●Teaching and Learning Workshop for Graduate Students             <ul style="list-style-type: none"> <li>●GIS&amp;T Body of Knowledge</li> <li>●GIScience and Public Policy</li> </ul> </li> </ul>	Timberline One Timberline Two Timberline Three
3:00 – 3:30	Break	Lobby
3:30 – 5:00	<ul style="list-style-type: none"> <li>●Workshops (continued)</li> <li>●“Birds-of-a-feather” Research</li> </ul>	Same Rooms TBA

### **Friday, July 1**

8:00 – 9:00 A.M.	Continental Breakfast	Teton Mezzanine & Teton Room
9:00 – 9:15	Welcome and Introduction	Teton Room
9:15 – 10:15	<i>UCGIS President's Panel</i> Jerry Dobson, Greg Elmes, Art Gettis, Carolyn Merry, Lynn Usery	Teton Room
10:15 – 10:30	Break	Teton Mezzanine
10:30 – 12:00	Concurrent Student Paper Sessions	
	<i>Session 5 – Seeking Better Approaches to Geospatial Data Analysis</i> <i>Moderator: Marguerite Madden</i>	Timberline One
	5.1 A Comparison of Thiessen-polygon, Kriging, and Spline Models of UV Exposure. Zaria Tatalovich, University of Southern California	
	5.2 A Three-step General Map Matching Method in the GIS Environment: Travel/Transportation Study Perspective. Jianyo (Jack) Zhou, University of California, Santa Barbara	
	5.3 GeoMatchMaker Automatic and Efficient Matching of Vector Data with Spatial Attributes in Unknown Geometry Systems. Mohammad Kolahdouzan, University of Southern California	
	<i>Session 6 – Forecasting Populations in Space and Time</i> <i>Moderator: David DiBiase</i>	Timberline Three
	6.1 Analyzing Urban Spatial Structure with GIS Population Surface Models. Jun Luo, University of Wisconsin, Milwaukee	
	6.2 Small-Area Population Forecasting: A Spatio-	

Temporal Regression Approach. Guangqing Chi,  
University of Wisconsin, Madison

6.3 Developing the Adaptive Components of the  
SPEEDGOAT (Suitable Pronghorn Environment  
Envelope, Determined by GIS Outputs, Arrays, and  
Transformations). Shawn Lanning, University of  
Wyoming

Noon – 1:00 P.M.	Luncheon	Teton Room
1:00 P.M. – 3:00	<i>Concurrent Workshops</i>	
	<ul style="list-style-type: none"> <li>● Promoting GIScience and UCGIS on Campus</li> <li>● Opportunities for Sponsored GIScience Research               <ul style="list-style-type: none"> <li>● Virtual Seminar on GIScience Ethics</li> <li>● “Birds-of-a-feather” Research</li> </ul> </li> </ul>	Timberline One Timberline Two Timberline Three TBA
3:00 – 3:30	Break	Lobby
3:30 – 5:30	Council Meeting <ul style="list-style-type: none"> <li>● Education and Research Awards               <ul style="list-style-type: none"> <li>● Business Meeting</li> </ul> </li> </ul>	Teton Room
6:30 – 9:00	Board Dinner and Meeting	Timberline One