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FROM THE DESK OF THE PRESIDENT

Since our Summer Assembly in July 2005 in the gorgeous Jackson Hole, Wyoming, many events have occurred, which have significantly affected our organization. The unprecedented Katrina disaster in the Gulf Coast region, which has directly impacted where I am, has once again reminded us how vulnerable we are and called attention to the need of geospatial science and technology for better disaster preparedness, response, and recovery. It is good to know that the entire GIS community in the region and around the nation has given help throughout the crisis; their quick response and their professionalism have contributed in various ways, ranging from producing useful maps quickly for the emergency rescue operations to providing job opportunities for displaced GIS professionals.

UCGIS has responded to this catastrophic event in three ways. Thanks to the input from our members and the quick and hard work of the Communication Committee, Jack Sanders, and our webmaster, Richard Campbell, we were able to establish a website within two weeks to link the GIS resources

related to Katrina. The website contains information submitted by our members such as links to maps, imagery, software applications, and GIS jobs. We are especially grateful to Richard for donating his time for building the website. It is good to report that right after we announced the establishment of the website, we received tremendous positive responses immediately from the broad community. We hope our effort in this has helped in some ways.

Our emphasis in the 2006 Winter Assembly in Washington, DC also changed from a broader "GIS and Society" theme to a theme responding to this important event: "Geospatial information science and technology: an integrating force in disaster preparedness, mitigation, and recovery". We are grateful to Senator Barack Obama and Representative Danny Davis for co-sponsoring our congressional presentations, and thanks to the perseverance and hard work of the Policy and Legislative Committee for making this happen. As in previous years, in addition to the congressional presentations by selected members, we organized

an agency panel in which federal representatives discuss their recent activities and funding opportunities, and we created a time slot for congressional visits. New in this year were the visits to two agencies, FEMA and USGS. Through these visits, we hope to learn more about their GIS related activities and develop ideas for future collaboration.

We have recently launched an initiative to secure federal funding to develop a network of regional, university-based centers called GEOID (GEOspatial Information Decision support) to provide geospatial information resources for better decision-making in disaster mitigation preparedness, response, and recovery. UCGIS could facilitate such development. The GEOID centers will integrate GIS research and education and will have direct benefits to science and society. A white paper documenting the rationale and the major activities for the GEOID centers has been prepared, and an ad hoc committee has been established to find ways to move this initiative forward.

(Continued on page 13)

UPCOMING EVENTS

SUMMER MEETING 2006

UNIVERSITY CONSORTIUM FOR GEOGRAPHIC INFORMATION SCIENCE
 2006 Summer Assembly ▪ Wednesday June 28 – Saturday July 1, 2006

Venu: Heathman Lodge , Vancouver, Washington

Draft Agenda—March 19, 2006

Wednesday June 28

- 9.00 – 10.15 am Board Meeting
- 10.15 – 10.30 pm Break
- 10.30 am – noon Board Meeting
- noon – 1.00 pm Luncheon
- 1.30 – 3.00 pm Open Committee Meetings
 - Education
 - Research & Communications
 - Membership
- 3.00 – 3.30 pm Break
- 3.30 – 4.30 pm Open Committee Meetings
 - Policy and Legislation & Research
 - Research Projects
 - Sponsored Projects
- 4:30 – 5:00 pm Communications, Education, Policy and Legislation, Membership attending

Thursday June 29

- 9.00 – 9.15am Welcome – Tim Nyerges
- Introduction - John Wilson
- 9.15 – 10.15am Education Plenary address: Lynda Wayne, GISP (GeoMaxim / Federal Geographic Data Committee)
- 10.15– 10.30 am Break
- 10.30 – noon Panel discussion: Using the GIS&T Body of Knowledge 2006 for Curriculum Planning and Assessment (or) Role of UCGIS in geo-spatial workforce development
- noon – 1.00 pm Luncheon
- 1.00 – 3.00 pm Demonstration and discussion: Spatial Perspectives on Analysis for Curriculum Enhancement (SPACE) project
- 3.00 – 3.30 pm Break
- 3.30 – 5.00 pm
 - Student Session 1
 - Student Session 2
- 5.00 – 8.00 pm
 - Reception
 - GIScience Bowl



Heathman Lodge
 7801 NE Greenwood Dr.
 Vancouver, Washington
 98662 USA
 Reservations: 1-888-475-3100 ▪ Phone:
 (360) 254-3100 ▪ Fax:
 (360) 254-6100
 Email: <http://www.heathmanlodge.com/contactus.htm>
<http://www.heathmanlodge.com/>



Historic Vancouver

SUMMER MEETING 2006 (CON'T)

Friday June 30

- 9.00 – 9.15am Welcome and Introduction
- 9.15 – 10.15am Research plenary: To be announced
- 10.15– 10.30 am Break
- 10.30 – noon
 - Student Session 3
 - Student Session 4
- noon – 1.00 pm Luncheon
- 1.00 – 3.00 pm Workshops
 - UCGIS Research Agenda: Reviewing Accomplishments
 - Next steps for the Model Curricula project
 - GIScience Policy Workshop
- 3.00 – 3.30 pm Break
- 3.30 – 5.00 pm
 - Research Agenda Workshop: Potential for New Directions
 - NSA Dynamics Workshop

Saturday July 1

- 9.00 – 9.15am Welcome and introduction
- 9.00 – 10.15am Research Plenary Panel: Next Steps for the UCGIS Research Agenda
- 10.15– 10.30 am Break
- 10.30 – noon
 - Student Session 5
 - Student Session 6
- noon – 1.00 pm Luncheon
- 1:00 - 3:00 pm Workshops
 - Promoting GIScience and UCGIS On Campus
 - NSA Dynamics Workshop
 - Other
- 3.00 – 3.30 pm Break
- 3.30 – 5.30 pm Council meeting
 - Educator and Researcher Award presentations
 - Other business
- 6.30 – 9.00 pm Board dinner and meeting



Nearby Portland, Oregon



The Coast

UPCOMING EVENTS

SPACE Workshops: Summer Workshops 2006 for Instructors of Undergraduate Courses in the Social Sciences

SPACE workshops are intended for instructors of undergraduate students in the social sciences. They offer content knowledge in methods of spatial analysis, instructional resources, and professional development support for curriculum planning and learning assessment. Successful applicants must commit to implementing spatial perspectives in their undergraduate courses and to providing feedback and documentation to evaluate the SPACE workshop program.

Participants in the program are eligible for scholarship support for subsistence. The deadline for applications is 18 April 2006. Details are available at www.csiss.org/SPACE/workshops

GIS and Spatial Modeling for the Undergraduate Social Science Curriculum

18–23 June 2006, Columbus OH

This workshop focuses on applications of spatial analytic techniques suited for undergraduate social science courses. These techniques include cartographic visualization, exploratory spatial data analysis, space-time modeling of individual behavior, spatial equilibrium models, and spatial optimization methods. Workshop participants will consider how to integrate these techniques into instructional modules, exercises, and learning assessment approaches. Requirements to benefit from this workshop include prior experience with computer file and data management in applications of quantitative analysis in the social sciences. GIS experience is desirable.

Instructors: Mei-Po Kwan (coordinator), Ola Ahlqvist, Darla Munroe, Alan Murray, Morton O'Kelly, Kathryn Plank, and Ningchuan Xiao (all of The Ohio State University), Jiyeong Lee (University of North Carolina at Charlotte), and Sara McLafferty (University of Illinois at Urbana-Champaign).

Co-sponsor with CSISS and Host Institution: Dept. of Geography, The Ohio State University www.geography.ohio-state.edu

Remote Sensing and GIS Technologies for Undergraduate Curricula in the Social Sciences

23-28 July 2006, Norman OK

This workshop will explore the uses of geographic information technologies for undergraduate curricula in the social sciences and offer guidance on the uses of these technologies to enhance spatial understanding for undergraduate social science students. Participants will acquire understanding of the

utility of remotely sensed data - how they provide nontraditional, and otherwise unobtainable, measures of social phenomena, and how these measures are used with a wide range of population-related data in GIS for the visualization, analysis, and understanding of social dynamics at micro, macro, and global levels. Lectures, demonstrations, tutorials, and group investigations will foster open discussions to stimulate spatial thinking and problem-solving skills, and to translate these into resources for teaching at the undergraduate level. Applicants should already have basic GIS knowledge since GIS will provide the integrated platform for introducing remote sensing and spatial statistics.

Instructors: Tarek Rashed (coordinator), May Yuan, Jon Pedersen (all of The University of Oklahoma), Victor Mesev (Florida State University), and Rebecca Powell (UC Santa Barbara).

Co-sponsor with CSISS: The University Consortium for Geographic Information Science www.ucgis.org

Host Institution: Dept. of Geography geography.ou.edu and the Center for Spatial Analysis www.csa.ou.edu, University of Oklahoma.

Spatial Analysis in the Social Science Curriculum: Enhancing Undergraduate Learning

31 July–5 August 2006, Santa Barbara CA

This workshop focuses on spatial methods and perspectives suited for applications in the undergraduate social science curriculum, such as spatial statistics, spatial econometrics, spatial pattern analysis, and cartographic visualization, in a GIS framework. Participants will illustrate these methods and design instructional modules and exercises for use in teaching undergraduates. A major goal of the workshop will be to explore strategies for curriculum enhancement and for assessment of student learning. Requirements to benefit from this workshop include prior experience with computer file and data management in applications of quantitative analysis in the social sciences.

Instructors: Stuart Sweeney (coordinator), Sarah Battersby, Fiona Goodchild, Mike Goodchild, Don Janelle, and Waldo Tobler (of UCSB)

Co-sponsor with CSISS and Host Institution: Dept. of Geography, University of California, Santa Barbara www.geog.ucsb.edu, Institute for Social, Behavioral, and Economic Research www.isber.ucsb.edu

This program is funded by the National Science Foundation's Division of Undergraduate Education, under its program for Course, Curriculum & Laboratory Improvement – National Dissemination.

Flyer: www.ucgis.org/SPACE2006

CALL FOR NOMINATIONS AND AWARDS

UCGIS RESEARCH AWARD

The UCGIS Research Award is given to the creators of a particularly outstanding research contribution to Geographic Information Science in 2005. Normally, the Research Award is awarded to author(s) of **an outstanding research work or series of works published in a peer-reviewed medium**. The committee will also consider other modes of expression of research results, including patents, software packages, and non-refereed publications. All researchers worldwide are eligible for the award, except for the current members of the Research Award Committee. Nominations for the award can only be made by people from University Consortium for Geographic Information Science (UCGIS) member institutions.

The nomination package must include a copy of the publication or product upon which the nomination is based, together with a letter explaining why the contribution should be given the UCGIS Research Award. The

main criterion for choosing the awardee(s) is impact of the research achievement on the theory and/or practice of GIScience, or on research using GIS, or on Geographic Information Technology, as documented in the letter of nomination and judged by the Research Award Committee. After due consideration of all nominations, the Research Award Committee will recommend an award winner for confirmation by the UCGIS Board of Directors

The Board will appoint a Research Award Committee consisting of a Chair and four other members once the deadline for nominations has passed. Only people from UCGIS membership institutions can serve on the Research Award Committee. The Committee members will be drawn from five different UCGIS member institutions, and will reflect the full range of disciplines in Geographic Information Science. The Research Award Committee may also nominate additional research achievements for the award or choose to recommend that no award be given in a particular year.

UCGIS EDUCATION AWARD

The UCGIS Education Committee is pleased to invite nominations for the 2006 UCGIS Education Award. The award honors individuals who have made outstanding contributions to GIScience education. Nominations received by April 15, 2006, will be considered. The award will be presented at the 2006 UCGIS Summer Assembly.

Contributions of national significance may include:

- **Sustained effectiveness in teaching in formal GIScience courses;**
- **Enhanced public awareness of GIScience through informal science education;**
- **Supervision of outstanding graduate students entering careers in GIScience education and research and GIScience related professions;**
- **Authorship or editorship of significant GIScience textbooks;**
- **Authorship of significant journal articles, book chapters, or monographs concerned with GIScience education;**
- **Leadership in GIScience curriculum development and program design; and**
- **Leadership in the development of GIScience education policy in academic and professional organizations.**

Nominations should include the following information:

- **Nominee's name;**
- **Nominee's affiliation(s);**

- **Nominee's contact information;**
- **Evidence of the nominee's contributions to GIScience education (including references and/or offprints of significant publications);**
- **Explanation of the significance of the nominee's contributions;**
- **Nominator's name;**
- **Nominator's affiliation; and**
- **Nominator's contact information.**

Nominations submitted prior to 2006 but not selected for the award will be reconsidered in the this year's deliberations. Old and new nominations will be reviewed by a subcommittee of the Education Committee chaired by the previous Education Awardee. The Education Award Subcommittee may identify additional nominees or may recommend that no award be given in a particular year. The name of the person selected for the award, if applicable, shall be forwarded to the UCGIS Board for final approval. All GIScience educators worldwide are eligible for the award, except for the current members of the Education Award Subcommittee. However, only people affiliated with UCGIS member institutions may make official nominations or serve on the Award Subcommittee.

Nominations should be forwarded to David DiBiase, Chairperson, UCGIS Education Committee, by electronic mail (dibiase@psu.edu) or regular mail (David DiBiase, Director, Dutton e-Education Insti-

UCGIS 2006 SUMMER ASSEMBLY CALL FOR FOR PAPERS GRADUATE STUDENT PRESENTATIONS (\$800 TRAVEL AWARDS)

Overview:

The University Consortium for Geographic Information Science (UCGIS) is a non-profit organization of over seventy universities and other research institutions dedicated to expanding and strengthening geographic information science. The organization will hold its Summer Assembly from June 28 – July 1, 2006 at the Heathman Lodge in Vancouver, Washington. Graduate students from UCGIS member institutions are invited to submit an extended abstract (1000-1500 words) or full paper (6000 words) to be considered for presentation at the 2006 Summer Assembly. Our goal is to attract high quality presentations from across the U.S. to foster interdisciplinary discussions among computer science, engineering, geography, natural resources, physical science, social science and other academic programs engaged in geographic information science investigations and research.

Paper Submission:

The deadline for submission of an abstract (or full paper) submission to be considered for travel support is 12:00 midnight PST, May 12, 2006. No students will be considered for travel support if submission is received after the deadline. Please send an

email with extended abstract or full paper submission as an attachment to Prof. Tim Nyerges (nyerges@u.washington.edu). Each extended abstract or full paper must be reviewed and approved by a faculty member at the student's home university before submission. An email from the faculty member to nyerges@u.washington.edu verifying review of the student's paper is required. Any number of extended abstracts or full papers may be submitted by a UCGIS member institution and a review email may come from any faculty member at the institution. Submissions will be placed on a password protected web site and assessed by a panel of referees drawn from across the UCGIS member institutions. Award notifications will be made on or before June 2, 2006.

No more than two students will be selected from any UCGIS institution to receive a travel stipend to attend the meeting. Three student papers will be selected for presentation in each of six sessions (thus 18 papers total) specially designated for UCGIS student papers. Students selected to present papers are required to submit full papers for the electronic proceedings (posted to

the UCGIS website at <http://www.ucgis.org/>) by 12:00 midnight PST June 16, 2006. Submit to Tim Nyerges (nyerges@u.washington.edu). Additional students from each UCGIS institution are invited to attend and participate in this conference even if not receiving a travel award or presenting a paper.

Funding Award:

The students selected for paper presentations will receive \$800 to help cover their costs of attending the 2006 Summer Assembly. Students will be responsible for making their own travel and accommodation arrangements. Those students receiving travel awards will be presented with checks for \$800 at the conference. If needed, students are encouraged to apply for additional funds from their home universities. In order to receive the award, the student must provide a written paper for the UCGIS electronic proceedings and present the paper at the 2006 Summer Assembly.

Special Prizes:

The editors of Cartography and Geographic Information Science (CAGIS) and Transactions in GIS (TGIS) will select two manuscripts for publication in upcoming issues of

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Summer 2005 Travel Award Winners

The deadline for submission of an abstract (or full paper) submission to be considered for travel support is 12:00 midnight PST, May 12, 2006.



Summer 2005 Travel Award Winners

UCGIS
GRADUATE
STUDENT
PAPER
COMPETITION

REPORT ON THE WINTER MEETING: WASHINGTON, DC 8-10 FEBRUARY, 2006

In February, as Congress and the Executive branch began consideration of the national budget, UCGIS met to discuss and publicize the importance of geographic information science as a foundation for a wide array of essential government activities. This year's Congressional Presentations were sponsored by Senator Barack Obama (IL) and Representative Danny K. Davis (IL) in the splendid surroundings of the Members Room in the original 1897 building of the Library of Congress. The 2006 Winter meeting provided an opportunity for the UCGIS community to describe current GIS research projects to agencies, as well as members of Congress and their professional staff. At a time still dominated by the aftermath of Hurricane Katrina, the theme "Geospatial Information Science and Technology: An Integrating Force in Disaster Preparedness, Mitigation, and Recovery" emphasized the central role of geographic information in our national response to natural disaster, and emphasized the need for GIS in Homeland Security of all types. Outgoing UCGIS President, Nina Lam, from Louisiana State University welcomed Congressional staffers and delegates with opening remarks, reflecting on the vital role that her university had taken in gathering, organizing and disseminating

digital spatial data following Katrina.

The presentations illustrated the breadth and depth of the contributions of GI systems and science. The importance of accurate, updated information and sophisticated means to incorporate it into decision support systems were stressed by Alan M. MacEachren, Pennsylvania State University who spoke on "Developing Tools for Mitigation and Response Anticipating and Responding to Unexpected Events: Supporting Real-World Geo-Information Exploration."

Chris S. Renschler, University at Buffalo (SUNY) presented "Integrated Research and Implementation in GIScience and Extreme Events." Mark W. Horner of Florida State University, spoke on "GIS-based Decision Support for Hurricane Disaster Relief," and Thomas J. Cova, University of Utah, reported on "Setting Wildfire Evacuation Trigger-Points using GIS." A summary by John Wilson, UCGIS President-elect, University of Southern California concluded the presentation.

Briefings by leading officials in federal agencies supporting research and other GIS projects followed lunch in the Madison Building of the Library, providing an exceptional opportunity for UCGIS delegates and colleagues to hear about new develop-

ments at NSF, USGS, NASA, NSA, and NGA. Among the agency representatives were Tom Baerwald, Senior Science Advisor, Behavioral and Cognitive Sciences Division, NSF, Barbara Ryan, Associate Director for Geography, USGS, and Greg Smith, Chief Scientist and Scott Loomer, Science Advisor for Geospatial Science National Geospatial-Intelligence Agency, all of whom spoke of research initiatives and opportunities for university engagement. UCGIS delegates then dispersed for site visits to the Federal Emergency Management Agency, U.S. Geological Survey and the Library of Congress: Geography & Map Division.

On the morning of February 10th delegates visited Congressional offices to further disseminate the value of GIScience research and education. Hope for an increased recognition of the national importance of GIS was spurred by news that the just-released Presidential budget included a 'Line of Business' for geospatial information for the first time. At the UCGIS Education Committee meeting later that afternoon, considerable excitement surrounded the announcement of summer publication plans for "The Geographic Information Science & Technology (GIS&T) Body of Knowledge 2006," an effort by the GIS Science community to define the subject matter of our discipline.

(Continued on page 8)



Visit at the Library of Congress Maps Library

Visit the UCGIS Web for our photo gallery by Photographers, David Tulloch and Jane Read



US Geological Survey Visit

WHO'S NEW AT UCGIS: OFFICERS, BOARD, COMMITTEE

Chairs

Elected Officers

- **Past President:** Nina Lam, Louisiana State University
- **President:** John Wilson, University of Southern California
- **President-elect:** Sean Ahearn, Hunter College, City University of New York

Elected Board Members

- **Robert McMaster, University**

of Minnesota

- **Mary Lou Larson, University of Wyoming**

Thanks to outgoing Officers, Board Members and Committee Chairs for their service to UCGIS Committee Chairs

- **Outgoing Past President:** Lynn Usery, University of Georgia

- **Outgoing Board Members:** Mei-Po Kwan, Ohio State University and Sean Ahearn, Hunter College, City University of New York.

- **Outgoing Membership Committee Chair:** Mary Lou Larson, University of Wyoming

For a complete list of UCGIS officers, board members and committee chairs visit www.ucgis.org



Nina Lam
Past President



John Wilson
President

CHARITABLE CONTRIBUTIONS TO UCGIS

by Jack Sanders

Generous contributions provided a total of \$1,400 in December 2005, the first month of the UCGIS campaign to raise funds to support student travel awards at the Summer Assembly. As a 501(c)(3) organization, UCGIS is eligible to receive tax-deductible contributions, just as any other similar charitable, scientific, educational, or religious organiza-

tion. Graduate students whose research is selected for presentation at the Summer Assembly receive \$800 to help defray the cost of their travel related expenses. With 16-20 students participating, this very important program can cost \$14,000-\$18,000 each year. The Board's goal is to raise all of that amount from charitable contributions. Anyone wishing to help support the 2006 Student Paper

Awards can go to the UCGIS web site to donate online, or checks can be sent to the UCGIS office in Alexandria. The web link is <http://www.ucgis.org/donations>. This initiative provides a perfect chance to help support the recognition and continuing professional development of our top graduate students. The board urges everyone, from member institutions and elsewhere, to make a generous contribution.

“Anyone wishing to help support the 2006 Student Paper Awards can go to the UCGIS web site to donate online, or checks can be sent to the UCGIS office in Alexandria. “

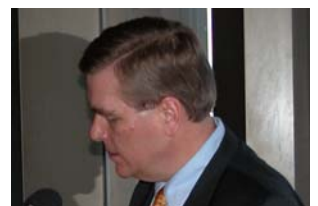
REPORT ON THE WINTER MEETING (CON'T)

(Continued from page 7)

The invaluable work of David DeBiase and his team was acknowledged. The Research, Policy & Legislation, Research Projects, Membership, Communications and Sponsored Programs' committees also met on Friday afternoon, prior to the semi annual Council meeting. In Council, Sean Ahearn, Professor of Geography

at Hunter College, City University of New York was elected president-elect. Robert McMaster, University of Minnesota, and Mary Lou Larson, University of Wyoming were elected to the board. Much appreciation is due to the outgoing board members Mei-Po Kwan, Ohio State University and Sean Ahearn, Hunter College, City University of New

York; Membership Committee chair Mary Lou Larson, University of Wyoming; and President Nina Lam; and especially to John Shuler, University of Illinois at Chicago, for his efforts in organizing and coordinating the Congressional event in 2006.



John Shuler, Chair Policy and Legislation Comm. Organized the 2006 Congressional event

EDUCATION COMMITTEE NEWS

GIS&T BODY OF KNOWLEDGE IN PRESS

by David DiBiase, chair

The Association of American Geographers (AAG) has agreed to publish the Geographic Information Science & Technology Body of Knowledge (GIS&T BoK). Following approval by the UCGIS Board of Directors, the editorial team delivered a complete manuscript to AAG on February 25. The monograph is expected to appear in Summer 2006. (The editorial team includes David DiBiase, Michael DeMers, Ann Johnson, Karen Kemp, Ann Taylor Luck, Brandon Plewe, and Elizabeth Wentz).

The GIS&T BoK is a product of the UCGIS Model Curricula initiative. Founded in 1998, a Model Curricula Task Force chaired by Duane Marble envisioned an innovative, adaptive curriculum that enabling undergraduates to develop the diverse competencies needed to apply and advance GIS&T in government, industry, and academia. Central to the Model Curricula vision was a Body of Knowledge – a comprehensive inventory of the subject matter that pertains uniquely to the GIS&T domain. Following similar initiatives in such fields as Computer Science, Information Science, and Project Management, the Task Force produced a draft GIS&T BoK as part of its 2003 Strawman

Report. The manuscript submitted to AAG for publication in February 2006 is an elaboration of the draft BoK to which more than seventy scholars and practitioners, including thirty-one reviewers, contributed. It includes 330 topics defined in terms of 1,660 educational objectives. Future editions are expected to update and improve the 2006 edition.

Although it was conceived originally as a basis for undergraduate curriculum planning, the editorial team expects the GIS&T BoK to be useful to individuals and organizations in many different ways. The GIS&T BoK will help:

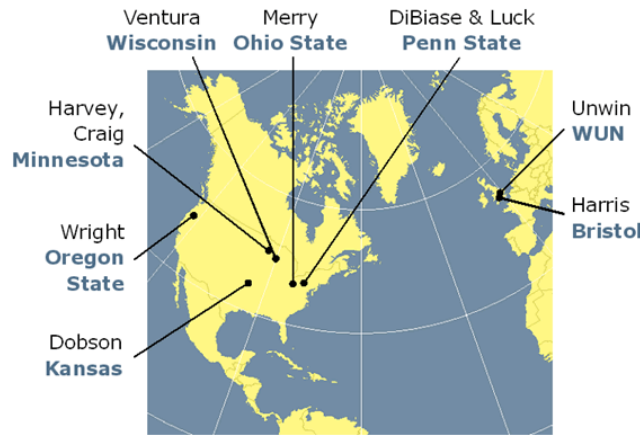
- **Job seekers, who wish to assess and communicate their experience and skills more clearly and accurately.**
- **Employers, who need to identify knowledge and skill requirements for their employees, and who need to assess applicants' competencies.**
- **Geospatial professionals, who wish to better characterize the tasks they need to complete, to more easily locate resources that best meet their needs, to plan continuing professional development strategies.**
- **Certification bodies, which need to determine the set of knowledge and skills that make someone a novice or expert in particular areas, and to create standard means of evaluating their applicants' competencies.**
- **Accrediting bodies, which seek to evaluate the core needs of education resources of different types (including undergraduate, graduate, professional, and informal education).**
- **Education and training providers (including colleges, universities, professional trainers, and software vendors), which need to plan, implement, assess, and revise their programs.**
- **Students, who wish to benchmark their educational achievements, or to identify programs and courses that provide education in their areas of interest.**
- **Authors of professional and academic publications (including magazines, books, and textbooks), who will benefit from a standard foundation and terminology on which to can frame their own ideas.**
- **GIScience researchers, whose work will extend the current Body of Knowledge.**
- **The geospatial profession, which will gain wider recognition as a distinct and coherent field.**

The Association of American Geographers (AAG) has agreed to publish the Geographic Information Science & Technology Body of Knowledge (GIS&T BoK).

VIRTUAL SEMINAR IN ETHICS FOR GIS PROFESSIONALS

by David DiBiase, chair

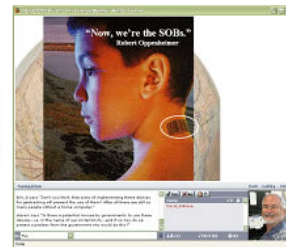
Students and faculty members at six UCGIS member institutions participated in the latest UCGIS Virtual Seminar in Fall, 2005. The Geographic Information Systems Certification Institute's (GISCI) publication of a Code of Ethics (http://www.gisci.org/code_of_ethics.htm) inspired the seminar topic.



- “Questions About Ethics for GIS Professionals.” Francis Harvey, Department of Geography, University of Minnesota.
- “GIS and Communities.” Francis Harvey, Department of Geography, University of Minnesota

Speakers offered live presentations (audio and slides) in which students and others participated via a desktop Web conferencing system. In addition to real-time audio and textual chat conversations during the presentations, asynchronous discussions took place in the weeks following each presentation in Penn State’s “ANGEL” learning management system. Presenters also used ANGEL and local Web sites to distribute readings and project assignments. Students and faculty members also met weekly at their institutions for face-to-face discussions.

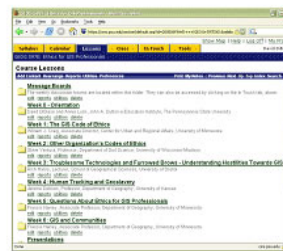
Live presentations Web conferencing



Program of the 2005 Virtual Seminar in Ethics for GIS Professionals

- “The GIS Code of Ethics.” William J. Craig, Center for Urban and Regional Affairs, University of Minnesota.
- “Other Organization's Codes of Ethics.” Steve Ventura, Department of Soil Science, University of Wisconsin-Madison
- “Troublesome Technologies and Furrowed Brows - Understanding Hostilities Towards GIS.” Rich Harris, School of Geographical Sciences, University of Bristol
- “Human Tracking and Geoslavery.” Jerome Dobson, Department of Geography, University of Kansas

Assignments and discussion ANGEL course management system



Local discussions and projects Oregon State



RESEARCH COMMITTEE NEWS: WEB SITE CHANGES ON TAP

UCGIS research committee web site will be revised in the near future in line with the McMaster and Usery Research Agenda for Geo-

graphic Information Science book. We will use this as a platform for "Next Steps for the UCGIS Research Agenda" to be discussed at the Sum-

mer Assembly at Heathman Lodge in Vancouver, Washington. Stay tuned for information.



Tim Nyerges, Chair
Research Committee

MEMBERSHIP COMMITTEE NEWS

by Mary Lou Larson

"UCGIS has a total of 84 members with 71 academic institutions. Our other members include professional societies, corporate, international, and government organizations. We are always looking for new members, so if you know someone at a

non-UCGIS member institution who is interested in joining UCGIS, have them contact the membership chair (currently mlarson@uwyo.edu) for further information. We will soon have a Membership FAQ section on the UCGIS web page – which will be a place for people to get specific infor-

mation about how to submit a membership application to UCGIS. We are also in the process of updating the UCGIS web page to highlight those member institutions who have up-to-date web pages, so look for a change in the membership pages of the UCGIS web site sometime this spring!"



Mary Lou Larson, Chair
Membership Committee

UCGIS ENDORSES NSGIC ORTHO PROPOSAL

by Will Craig

UCGIS has endorsed a plan by a sister organization to institutionalize federal orthophotography programs so we get imagery on a 3-year cycle. The basic program would provide data at a national standard, but local partners could "buy-up" to acquire imagery at higher resolutions, faster intervals, or from additional sensors.

The original idea, Imagery for the Nation, was developed by NSGIC, the National States Geographic Information Council. Its members tend to represent the state GIS councils. Like UCGIS, NSGIC has members in most of the 50 states. NSGIC argues that lack of a regular federal program leads to significant uncertainty, inefficient programs, and duplicative funding at the local level.

Basic elements of the NSGIC plan are as follows. More details and caveats are available at <http://www.nsgic.org/committees1/documents.cfm?cid=67>

- 1) One meter, natural color, leaf on (summer) imagery would be provided on a 1-year cycle for the lower 48 states, less frequently for Alaska and Hawaii. The federal government pays 100%.
- 2) One foot, natural color, leaf off imagery would be provided on a 3-year cycle for all counties east of the Mississippi and all those west of the Mississippi with population densities of 25 people per square mile or more. The federal government pays 100%.
- 3) Six inch, natural color, leaf off imagery would be provided on a 3-year cycle for Urban areas and

those with populations over 50,000 per square mile. The federal government pays 50%.

Will Craig, University of Minnesota, brought this proposal to the Policy and Legislation Committee at the Winter meeting. The P&L supported the concept and forwarded it to the Board, which agreed to write a letter of support it at its meeting on February 10. Two arguments were made to justify UCGIS' support: 1) scientists will benefit from access to the data provided by the proposed program and 2) UCGIS should support programs that benefit society.

Craig is a past president of UCGIS, serves on the current NSGIC Board, and acts as liaison between the two organizations.

UCGIS has endorsed a plan by a sister organization to institutionalize federal orthophotography programs so we get imagery on a 3-year cycle.

STUDENT PRESENTATIONS (CON'T)

(Continued from page 6)

their journals. The awards will be made for the best two single-authored papers presented at the conference. To be eligible for consideration, authors must be either engaged in full or part-time postgraduate research or within 1 year of completion of their research degree.

The winning manuscripts will be published in upcoming issues of either *Cartography and Geographic Information Science* or *Transactions in GIS*. The CAGIS and TGIS awards include a cash prize of \$200 and a complimentary subscription to the journal for one year. The editors of the two journals will select the winning entries.

Full Paper Details:

The paper you submit must be the paper you present at the 2006 Summer Assembly. Information on what you will need to do to prepare your full papers for web publication is as follows.

1. Copyrights

Authors retain copyright to their individual publications.

2. File Transfers

The full paper should be saved in a PDF file named lastname.pdf where lastname is your last name in lowercase letters. This file should be included as an attachment with an e-mail message sent to nverges@u.washington.edu. Make the subject line of this e-mail "UCGIS Web paper".

3. Organization of Full Paper

The full paper should follow this order of presentation:

Title of Paper

Author's Name, and affiliation to include: Name of department and university, Mailing address, Phone, fax, e-mail

Abstract: should be 150 to 250 words and should describe an ongoing or completed research investigation or project. The abstract should include a statement of objectives, methods employed, potential impact of the project on advancing knowledge, science, education, or resource development, and should report any findings to date.

Paper Body (any format from *Transactions on GIS*, *Cartography and GIS*, or *IJGIS*)

Endnotes (to be used very sparingly)

Acknowledgments (if appropriate)

References Cited

Appendices (if appropriate)

4. Text Sizes and Formats

Full paper manuscripts should not exceed 6,000 words. Use a 12-point variable spacing font such as Garamond or Times Roman. Format pages with one inch margins all around and use left justification (ragged right) only, not full justification.

5. Credit Lines and Sources

Credit lines are required for any illustration that you have not prepared or photographed yourself. A credit should be included parenthetically at the end of a figure's caption.

6. Maximum Image and File Sizes

The final PDF files must not exceed 500KB and the following limits apply to images included in your papers: (a) 200 dpi color; (b) 300 dpi grayscale; and (c) 300 dpi monochrome.

7. Helpful Hints

You should preview your final PDF document on a computer screen and the accompanying output from a printer for comparison to your original document prior to submission. If you are capturing images from a computer screen, capture at the highest resolution and then use an image editing software to resample before importing these images into your document. Do not rescale the images in your document software (i.e. MS Word, Corel WordPerfect, or FrameMaker) as the resampling will distort or degrade the image. The maximum image sizes listed above are for the final image(s) placed in your papers with your document software. Some additional resampling will be performed by Adobe Acrobat when the PDF file is created.

If you are using a document software such as MS Word or Corel WordPerfect, you should insert hard carriage returns on your pages to insure the PDF document retains the same pagination. In addition, your images should be anchored to text; do not use floating images or floating frames for text. If using fonts other than:

you should set the PDF document to use "subset embedded fonts". You should be aware, however, that the file size increases with each embedded font.

FROM THE DESK OF THE PRESIDENT (CON'T)

(Continued from page 1)

Responding to unexpected events and finding the opportunity for UCGIS and our community to contribute, however, is only one segment of our activities. Indeed, we have made significant progress for the existing important tasks. A draft of Geographic Information Science and Technology Body of Knowledge, a community effort led by the Education Committee, has recently been completed. The visualization workshop proposal led by May Yuan and Karen Hornsby will soon be funded by NSA (National Security Agency). The USGS sponsored post-doctoral fellowship has been finalized and a call for applications has already been sent out. The SPACE grant is in its third year, and Tarek Rashed and his team at the University of Oklahoma will take the lead. Specifications on internships have also been drafted. A website to encourage donations into an endowment for supporting the annual graduate student paper competi-

tion has been established. Significant progress has also been made regarding the Summer Assembly to be held in late June.

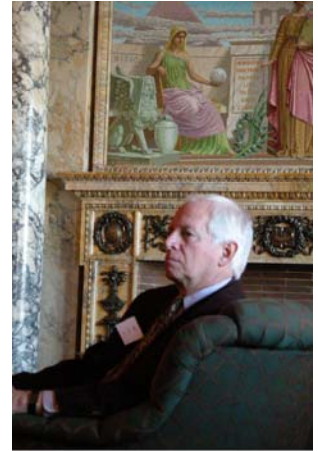
Externally, UCGIS has continued to participate in various related organizations. We have representatives or liaisons in FGDC, GSDI, AGILE, USGIF, CaGIS, and AutoCarto. After a long discussion, we finally completed an agreement with GISCI (GIS Certification Institute), with two UCGIS representatives, David DiBiase and Francis Harvey, newly appointed to their board. These collaborations will continue to play an important part and increase our effectiveness in achieving our missions and goals that will benefit the broader GIS community.

UCGIS was formally established in 1996, and we are progressing to the next decade. We have definitely made significant progress as an organization that promotes research and education in GIS. But what do we want to be in another 10 years? It is time for us to think of this

question and make plans towards the common goal. I quote the same old saying that I used in my statement for election two years ago: "It is difficult to build an empire, but it is even more difficult to maintain it". One of my goals as President is to increase funding opportunities for GIScience research and education and to support UCGIS to further its service to its members. We have made some small, albeit important steps; hopefully, like science, these incremental steps will eventually be accumulated and solidified into tangible results. But one thing is clear; UCGIS will not progress without our members' enthusiasm, participation, and continued support.

This is my second and last report as President. I thank you all for the privilege and opportunity to have worked with you during this past year.

Nina Lam



Jack Sanders
Executive Director
UCGIS

"The visualization workshop proposal led by May Yuan and Karen Hornsby will soon be funded by NSA (National Security Agency)."

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