

## PRELIMINARY PROGRAM

### Wednesday, October 9

2:00–7:30 P.M.

#### CONFERENCE REGISTRATION

3:00–5:00 P.M.

#### NACIS BOARD MEETING

7:30–9:00 P.M.

#### OPENING SESSION

Speaker: Paul Robbins, Ohio State University—The Grasslands of Columbus: Mapping, Measuring, and Explaining the American Lawn

9:00–11:00 P.M.

#### OPENING RECEPTION AND POSTER SESSION

### Thursday, October 10

8:00–9:50 A.M.

#### A. HISTORY OF CARTOGRAPHY

Elements of Cartography: Tracing 50 Years of Academic Cartography – *Judith A. Tyner, California State University, Long Beach.*

An Examination of the Historical Impact of Changing Technology on Cartography – *John Phillips, The University of Toledo.*

An Analysis of Maps in Elementary Geography Texts, 1850–1900 – *Karen M. Trifonoff, Bloomsburg University.*

The Patron–Client Dance in Early Modern French Hydrography – *Christine M. Petto, Southern Connecticut State University.*

#### B. ALTERNATIVE CARTOGRAPHIES

Abstracted Map Artworks – *Matthew A. Knutzen, The New York Public Library.*

Goro Dati's Sfera: Teaching Geography with Poetry and Maps in 15th–Century Florence – *Karen S. Cook, University of Kansas.*

Earle Birney's 'Mappemounde' – *Adele J. Haft, Hunter College of the City University of New York.*

Cartography as Rhetoric – *Mark Denil, Center for Applied Biodiversity Science, Conservation International.*

Why Don't We See More Interesting Maps? Some Reflections on the Problem and Some Suggestions – *Stuart Allan, Allan Cartography, and Mary Beth Cunha, Humboldt State University.*

10:10–NOON

#### C. AUTOMATED, HIGH–VOLUME MAP PRODUCTION AT THE U.S. CENSUS BUREAU

Automated Map Coloring at the U.S. Census Bureau – *Adeyemi O. Adelekan, U. S. Census Bureau.*

Automated Insetting in U.S. Census Bureau Mapping – *Sharma B. Murukutla, U. S. Census Bureau.*

Single Map–image–metafile Integrated Mapping System (SMIMS) Script – *Joseph Hines, U. S. Census Bureau.*

Boundary Symbolization Options in the Single Map–image–metafile Integrated Mapping System (SMIMS) – *Jane Jaworski Menis, U. S. Census Bureau.*

#### D. THE CARTOGRAPHER'S WORK

A New Kind of Map: Multiple Source, Quality and Media (MSQM) Map – *J. Raul Ramirez, The Ohio State University Center for Mapping.*

Campus Maps: More than Wayfinding–Providing a Sense of Place and History – *Michael Hermann, University of Maine.*

Cartographic Production at the Boston Redevelopment Authority – *Martin Gamache, Boston Redevelopment Authority.*

The Literary Map of Pennsylvania, New and Online – *Joanne M. Perry, The Pennsylvania State University.*

NOON–1:30 P.M.

#### LUNCHEON & ANNUAL BUSINESS MEETING

1:30–3:20 P.M.

#### E. CARTOGRAPHY EDUCATION

GIS is Scary!?: An Examination of an Undergraduate 100–level Geographic Information Systems Course – *Thomas R. Mueller, California University of Pennsylvania.*

Incorporating Student Learning Strategies into Interactive Teaching Tools – *Fritz C. Kessler, Frostburg State University, and Hubertus L. Blömer, Ohio University.*

Geographic Information Literacy – *Deborah Carter Peoples, Ohio Wesleyan University.*

Training in Cartographic Fundamentals/Essentials – *Dennis Fitzsimons, Humboldt State University.*

Map Design Tools in ArcMap 8: What We Learned While Creating an Online Course – *Cynthia A. Brewer and Shaun P. Faith, The Pennsylvania State University.*

#### F. NEW VISUALIZATION TECHNIQUES

The 'GPS Navigator:' An Interactive Route – planning Software for Poland – *Michal Okonek, Map1, Lodz, Poland.*

An Evaluation of Desktop Relief–shading Software – *Dan Van Dorn, Map Link.*

Light Distance and Ranging (LIDAR): A New Data Source – *C. K. Toth, The Ohio State University Center for Mapping.*

Merging Multiple Digital Elevation Models to Create Seamless Terrain Applied to Maine and the Atlantic Maritimes – *Michael Hermann, University of Maine, James Sloan, University of Florida, and Matthew Cote, University of Maine.*

3:40–5:30 P.M.

#### G. PRACTICAL CARTOGRAPHIC DESIGN

Purple Water: Use of Unconventional Color in Practical Cartographic Design – *Alex Tait, Equator Graphics.*

Color Hierarchy for Line Symbols – *Dennis McClendon, Chicago CartoGraphics.*

Mapping Census 2000: Evaluating an Atlas Designed to Accommodate Impaired Color Vision – *Geoffrey W. Hatchard and Cynthia A. Brewer, The Pennsylvania State University.*

Understanding Time Constraints in Map Production: Creating Satisfying Maps, While Meeting Realistic Deadlines – *Brendan Decker, Burgess and Niple Limited, Columbus, Ohio.*

#### H. GIS APPLICATIONS FOR MUNICIPALITIES

Generation of High–resolution National Hydrographic Data for Ohio: A Pilot Project – *Nasir Osman and J. Raul Ramirez, The Ohio State University Center for Mapping.*

A GIS for Water Resource Management – *Mohamed Rouchdi, M. Badraoui, R. Soulay and M. Amaraoui, Institut Agronomique et Vétérinaire Hassan II, Morocco.*

Delaware County's Geo–spatial Data Sets – *Shoreh Elhami, Delaware County, Ohio.*

The City of Westerville's Enterprise GIS – *Todd Jackson, City of Westerville, Ohio.*

Critical GIS Infrastructure in the State of Ohio – *Stuart Davis, Ohio Geographically Referenced Information Program.*

7:30–10:30 P.M., NACIS Jazz Rush

Urban Culture Practicum: A night of Jazz, Food and Beverages. Musical entertainment provided by the renowned *Todd Stoll and Jazz to Go* performing both well known big band numbers as well as unique, unusual and seldom heard pieces. Event will be held in the private quarters of Central Ohio's finest, historic Barley's Brewpub. Space is limited at this event, please reserve your space early.

### Friday, October 11

8:00–9:50 A.M.

#### I. GEOGRAPHIC INFORMATION MANAGEMENT METHODS

Cartographic Analysis of Named and Unnamed Features for a Digital Gazetteer – *Robert Cromley and Patrick McGlamery, University of Connecticut.*

A User–friendly Data Mining System – *Fan Rang and J. Raul Ramirez, The Ohio State University Center for Mapping.*

Multimedia Metadata for Geographic Information: Towards a Conceptual Model – *Alberto Giordano, University of Massachusetts at Boston.*

And Now for Something Completely Different: Procedures for Dealing with Licensed GIS Data Sets at the American Geographical Society Collection – *Patti Day, University of Wisconsin–Milwaukee.*

#### J. CARTOGRAPHIC DOCUMENTS OF MID–20TH CENTURY AMERICA

Measuring Urban Change Using Aerial Photography, Portland, Oregon 1925–1945 – *Paul Fyfield, Portland State University.*

They Were Expendable: Office of Strategic Services Maps During World War Two – *John M. Anderson, Louisiana State University.*

Views of a Cartographic Career: Works by Richard Edes Harrison – *Joanne M. Perry, The Pennsylvania State University.*

Birds–eye Views of National Park Service Sites: From Paint to Pixels – *Tom Patterson, U. S. National Park Service.*

10:10–NOON

#### K. ATLASES, INTERACTIVITY, ANIMATION

Evolution of the Definition of Atlas: The Atlas of Canada Example – *Donna Williams, Natural Resources Canada.*

Atlas of Oregon: A Recipe for Quality Interactive Maps, Fast – *Erik B. Steiner, University of Oregon.*

Raster Data in Multimedia Atlases: Benefits and Challenges–examples from the 'Atlas of Switzerland – Interactive' – *Marianne Rueggsegger, Christoph Schmid and René Sieber, Institute of Cartography, Zurich.*

Visual Benchmarks: A New Method for Enhancing Animated Maps – *Mark Harrower, University of Wisconsin–Madison.*

An Empirical Study of Hypothesis Generation by Domain Experts Using an Interactive Geographic Visualization – *Amy L. Griffin, The Pennsylvania State University.*

## L. GEO-SPATIAL DATA RESOURCES

The Digital Spatial Data Resources of the State of Ohio – *Joel L. Morrison and Emily Dick, The Ohio State University Center for Mapping.*

Generation of a Land-cover Map for Ohio – *Emily Dick and J. Raul Ramirez, The Ohio State University Center for Mapping.*

USGS GeoData: Moving to the National Map – *Charles Hickman, U. S. Geological Survey.*

Census 2000 Cartographic Products – *Gerald Coleman, U. S. Census Bureau.*

### NOON-1:30 P.M. LUNCH (on your own).

1:30-3:20 P.M.

## M. CARTOGRAPHIC RESEARCH

Development of Metrics for Linear Quality Evaluation of Geo-spatial Data – *Tarig Ali and J. Raul Ramirez, The Ohio State University Center for Mapping.*

Visualizing Stochasticity in Land-use Change – *Keith C. Clarke, University of California, Santa Barbara, and Jeannette Candau, U. S. Geological Survey.*

Concepts of Analytical Cartography in a Broader Cartographic Context – *Harold Moellering, Ohio State University.*

Feature Extraction from Multimodal Sources to Support the National Map – *E. Lynn Usery, U. S. Geological Survey.*

## N. FUTURE DIRECTIONS: NACIS AND THE CARTOGRAPHY AND GIS PROFESSIONS

Panel Moderator: *James E. Meacham, University of Oregon.*

Panelists: *Alex Tait, Equator Graphics*

*Joanne Perry, The Pennsylvania State University*

*Trudy Suchan, U. S. Census Bureau*

*Jeremy Crampton, Georgia State University*

*Gordon Kennedy, Washington State Department of Transportation*

*Charlie Frye, Environmental Systems Research Institute*

3:40-5:30 P.M.

## O. INTERNET CARTOGRAPHY

Teaching with Historic Maps on the Web: The Newberry Experience – *James R. Akerman, The Newberry Library.*

Scalable Vector Graphics: Interactive Internet Mapping for Normal Cartographers – *Brandon Plewe, Brigham Young University.*

The Atlas of Canada Communicating Geography on the Internet: Results of User Testing – *Anna Jasiak, Natural Resources Canada.*

Spatial Metaphors and the Internet: Using Cartographic Techniques to Portray Non-geographic Spaces – *Jeffrey Patton and Elisabeth Nelson, University of North Carolina at Greensboro.*

## P. CARTOGRAPHY AND GIS

GIS Applications in Crime Mapping and Crime Analysis – *Mark Wiljanen, Eastern Kentucky University.*

GIS Development and Impact in Telecommunications – *Gbadebo Adeola Oluyemi, University of Lagos.*

Risky Business: Vulnerability Modeling and Mapping with GIS – *Charles P. Rader, University of Wisconsin-River Falls, and James Janke, University of Wisconsin-Extension.*

Mapping Linear Parks: Integrating Community-University Partnerships, Mapping and GIS in Delaware, Ohio – *Tim Hawthorne and John Krygier, Ohio Wesleyan University.*

### 3:30-5:30 P.M., NACIS BOARD MEETING

### 6:30 P.M., ANNUAL BANQUET

Speaker: Mark Monmonier, Syracuse University – *Cartographies of Surveillance: Unprecedented Challenges to Locational Privacy.*

Awards: NACIS Student Web Map Competition.

## Saturday, October 12

### WORKSHOPS:

#### 8:30 A.M.-NOON

A. CARTOGRAPHY WITH MACROMEDIA FLASH – *Erik Steiner, University of Oregon.*

B. CARTOGRAPHIC DESIGN USING ARCMAP8 – *Shaun Faith, The Pennsylvania State University.*

#### 1:00 P.M.-5:00 P.M.

C. INTRODUCTION TO USING SHADED RELIEF SOFTWARE – *Dan Van Dorn, Map Link.*

### FIELD TRIPS:

#### 9:30 A.M.-NOON

I. THE OHIO STATE UNIVERSITY CENTER FOR MAPPING.

#### 8:00 A.M.-5:00 P.M.

II. OHIO NATIVE AMERICAN EARTHWORKS.

## NACIS XXII

### Hotel Information

NACIS XXII will be held at the Adam's Mark Hotel in downtown Columbus, Ohio

Reservations can be made by calling the hotel at: 1 (800) 444-2326 prior to September 9, 2002

Reference NACIS Conference for group rate:

\$114 single; \$129 double; \$144 triple; \$159 quad



PRELIMINARY PROGRAM



North American  
Cartographic Information  
Society

October 9-12, 2002

Adam's Mark Hotel  
in downtown  
Columbus, Ohio



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