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**PRELIMINARY PROGRAM NACIS XIX**  
*The Nineteenth Annual Meeting of the  
North American Cartographic Information Society*  
*www.nacis.org*

**October 20-23, 1999**  
**Williamsburg, Virginia**

**WEDNESDAY, OCTOBER 20**

**REGISTRATION**  
2:00-7:30 PM

**NACIS BOARD MEETING**  
3:00-5:30 PM

**OPENING SESSION (SPEAKER TO BE ANNOUNCED)**  
7:30-9:00 PM

**POSTER SESSION/ EXHIBITS/RECEPTION**  
9:00-11:00 pm

**THURSDAY, OCTOBER 21**

**Session A HISTORICAL CARTOGRAPHY I**  
8:00-10:00 am

*"A Countrie so Faire" The Mapping of Colonial Virginia*  
Richard Stephenson, Winchester, Virginia

*From Battle Plans to Tourist Maps: The Role of the Federal  
Government in Preserving the Cartographic Heritage of the  
Williamsburg-Yorktown Area*  
Ronald Grim, Library of Congress

*The Promotional Cartography of Captain John Smith*  
John H. Long, The Newberry Library, Chicago

**Session B CARTOGRAPHIC METHOD AND THEORY**  
8:00-10:00 am

*The Basic-level of Cartographic Maps*  
David K. Patton and Anthony B. Spehar, Slippery Rock Univ.

*Visual Perception of Oriented Point Symbols for Mapping*  
Maureen Ann Kelley, San Jose State University

*Color Schemes for Visualizing Climatological and Other  
Continuous Data*

Aileen R. Buckley, Patrick J. Bartlein, and  
Adam Light, University of Oregon

*Feeling it Out: The Use of Haptic Visualization for Exploratory  
Geographical Analysis*

Amy L. Griffin, Dept. of Geography, Pennsylvania State Univ.

**Session C HISTORICAL CARTOGRAPHY II**  
10:30 am-Noon

*Out of bounds, Mapping Over the Edge-A Look at the English  
View of the Middle Atlantic Colonies*  
Alice C. Hudson, Map Division, NYPL

*Where You Are Is Where You Are Not: Mapping the American Civil War*  
Earl B. McElfresh, McElfresh Map Co.

*Colonial Maps and GIS: Creating a Database for the Guilford Courthouse National Military Park*  
Roy Stine, University of North Carolina Greensboro

**Session D DRAWING SOFTWARE SHOOT-OUT: ADOBE ILLUSTRATOR vs. CORELDRAW vs. MACROMEDIA FREEHAND**  
10:30 am-Noon

Organizer: Tom Patterson, U.S. National Park Service  
Panel: Greg Chu, University of Wisconsin-La Crosse  
Richard Furno, Washington Post  
Dave Nelson, Mapping Services

**LUNCHEON AND ANNUAL BUSINESS MEETING**  
Noon-1:30 pm

**Session E PANEL DISCUSSION: CARTOGRAPHIC AND GIS EDUCATION, PREPARING STUDENTS FOR THE WORKFORCE**  
1:45-3:15 pm

Organizer: Susan N. Mulene, Avenza, Inc.  
Panel: Tanya Allison, Montgomery College  
Jim Meacham, University of Oregon  
Charles Rader, University of Wisconsin-River Falls  
Charlie Frye, ESRI  
Chris Baker, Magellan Geographics

**Session F UNDERSTANDING MAPS AND DATA**  
1:45-3:15 pm

*Re-visiting the Problems of Cartographic Design for Route-based Mapping*  
Gordon Kennedy, Washington State Dept. of Transportation

*The Use of Grid Cell Maps in School Demography*  
Richard Lycan, Portland State University

*Results and Experiences of Using Focus Groups to Evaluate the U-Boat Narrative: A Data Exploration System for the U-Boat War 1939-1945*  
Fritz C. Kessler, University of Kansas

**Session G TERRAIN PRESENTATION PRACTICUM**  
1:45-3:15 pm

*MapRender3D Pro from Digital Wisdom, Inc.*  
David Broad, Digital Wisdom Inc.

*Relief Presentation at The National Geographic Society: A Digital Demonstration*  
John Bonner, National Geographic Society

**Session H PARK AND TOURIST MAPPING**  
3:30-5:30

*A Brief History of National Park Service Visitor Maps*  
Nancy Haack, U.S. National Park Service

*The Power of Maps In Resource Management Decision-Making*  
Jean E. McKendry, University of Idaho Cooperative Park Studies Unit and National Park Service Social Science Program

*Tourism Maps and the Amish: Technological Discrepancies in Lancaster County*  
Alison E. Philpotts, Shippensburg University

*GIS at Wind Cave National Park: Status, Prospects, and Opportunities*  
Ed Delaney, University of Wisconsin-River Falls

**Session I UNIVERSITY ACTIVITIES**  
3:30 -5:30

*Introductory Cartography Reconfigured*  
Charles Rader, University of Wisconsin-River Falls

*The Colorado Landscape Project: Reflections from the Cartography/Gis and Classroom/Library Interfaces*  
Karen S. Cook and George F. McCleary, University of Kansas

*Development and Maintenance of the University of Oregon's Campus Mapping Program; Integrating Map Publishing, GIS, Facilities Mapping, and Architectural Building Floor Plans*  
James E. Meacham, Department of Geography, Univ. of Oregon  
Andrea C. Ball, Department of Geography, Univ. of Oregon

*South-East Toronto Health Data Mapping System: Community-University Collaboration as a Methodology for Design of a User-driven Mapping Design*  
Byron Moldofsky, University of Toronto

**CARTOGRAPHIC CONVERSATIONS WHAT CAN WE LEARN FROM EUROPEAN CARTOGRAPHY?**  
7:30-9:00 pm-Hospitality Suite  
Hosted by Greg Chu and Mike Peterson

**POSTERS AND EXHIBITS**  
7:00-11:00 pm

**FRIDAY, OCTOBER 22**

**Session A EARTH SCIENCE INFORMATION CENTER (ESIC)**  
8:00-10:00 am

*Just Ask Us*  
Diane Brittle, U.S. Geological Survey, Reston, VA

*On-line and Outreach: the Delaware Geological Survey Earth Science Information Center in the New Millennium*  
William S. Schenck, Delaware Geol. Survey, Univ of Delaware

*Land Boundary Information System: A Comprehensive Website for the Distribution of Florida Geographic Data*  
Jim Anderson and Louis Cross, FREAC, Florida State University

*National Datasets Incorporating the National Spatial Data Infrastructure Framework Criteria: The National Hydrography Dataset and the National Elevation Database*  
John C. Fouke, U.S. Geological Survey, Rolla, Missouri

**Session B PREPARATION AND DISSEMINATION OF GEOGRAPHIC INFORMATION**  
8:00-10:00 am

*The History and Development of Online Mapping and Distributed GIS*  
Jeremy W. Crampton, George Mason University

*Producing "Good" Maps when Non-Cartographers Control Design*

Trudy A. Suchan, Population Division, U.S. Census Bureau

*Map Design for High Volume Automated Mapping at the US Census*

Andy McIntire, US Census Bureau

*Public Access to Digital Data at Fairfax County Virginia GIS and Mapping Services*

Robert M. Shankman, Fairfax County, Virginia

**Session C SMALL BUSINESS CARTOGRAPHY  
ROUNDTABLE, KEEPING UP WITH THE  
SOFTWARE AND DATA EXPLOSION: EXPERIENCES AND  
STRATEGIES**

10:30 am-Noon

Organizer: Alex Tait, Equator Graphics, Inc.  
 Panel: Dennis McClendon, Chicago Cartographics  
 Dan van Dorn, free-lance cartographer  
 Tom Patterson, U.S. National Park Service

**Session D ATLASES**

10:30 am-Noon

*Developing a Socioeconomic Atlas Series for National Parks*  
 Jean E. McKendry, University of Idaho Cooperative Park Studies  
 Unit and National Park Service Social Science Program

*Atlas of Antarctic Research*  
 Cheryl A. Hallam, U.S. Geological Survey

*America's Online, Interactive Atlas: The National Atlas of the United States of America*

Brigitta A. Urban-Mathieux, U.S. Geological Survey

**Session E EXPLORING ANIMATION AND 3D**

1:30-3:00 pm

*The Influence of Verbal Commentary on Fly-By Animated Terrain Maps*

Keith Rice, University of Wisconsin-Stevens Point

*Animated Series to Demonstrate the Distortion of Map Projections*

Claudia James, University of Akron

*3D Visualizations of the Prehistoric Olduvai Gorge*  
 Hassan S. Hodges and Michael J. Medler, Dept. of Geography,  
 RutgersUniversity

**Session F CARTOGRAPHIC CHALLENGES AND CHANGES**

1:30-3:00 pm

*Cartography in a Class Action Suit: Himelrigh v. PPG*  
 Joe Stoll, University of Akron

*Repositioning Eastern Europe: Political Cartography after the Cold War*

Donald J. Zeigler, Old Dominion University, Norfolk, Virginia

*Developments at MapQuest.com*  
 Dan Etter, MapQuest.com

**Session G FEDERAL AGENCIES**

3:30-5:30 pm

*CIA Cartography: Past, Present, and Future*  
 Jerry Fields and Doug Stiles, Central Intelligence Agency

*Cartographic Information at the Department of State: International Boundaries, Sovereignty, Place Names, and GIS*  
 Leo Dillon, Office of the Geographer and Global Issues,  
 U.S. Department of State

*The United States Board on Geographic Names Toponymic Standards for Cartographic Application*

Roger L. Payne, USBGN, U.S. Geological Survey

**Session H NEW PERSPECTIVES**

3:30-5:30 pm

*Molecules, Metaphors and Maps*  
 Joseph Poracsky, Portland State University

*Poems Shaped Like Maps: (Di)Versifying the Teaching of Geography, II*

Adele J. Haft, Hunter College: City University of New York

*Parallel Atlas, 38 00N: A Transboundary Cartography for Korea's Evolving Demilitarized Zone (DMZ)*

Deborah Natsios, Natsios Young Architects, NY, NY

*In Maps the Story Unfolds through Space not Time*

Steven R. Holloway, Oikos Work Arts, Missoula, MT

**NACIS BOARD MEETING**

3:30-5:30 pm

**ANNUAL BANQUET**

6:30-10:00 pm

Speaker: Barbara J. Ryan, Associate Director for Operations, U.S.  
 Geological Survey

**SATURDAY, OCTOBER 23****WORKSHOPS***3D Landscape Visualization with Questar's World Construction Set 4.5*

Ev Wingert, University of Hawai'i and Pacific Mapping  
 8:30 am-5:00 pm

*Animated and Interactive Cartography with Macromedia Director*

Mark Harrower, Pennsylvania State University  
 8:30 am-Noon

**Making Web Maps Interactive**

Mike Peterson, University of Nebraska-Omaha  
 1:00 pm-5:00 pm