

## CURRICULUM VITAE

### BARBARA TRAPIDO-LURIE

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### EDUCATION

- 1987      **Master of Arts, Geography.** University of Hawaii. Honors at graduation.  
            B. Trapido, *Numerosity Estimation as a Measure of Symbol Contrast*.  
            M.A. Thesis, University of Hawaii.  
            Committee: Everett A. Wingert (Chair), Robert C. Cole, Forrest R. Pitts
- 1977      **Bachelor of Arts, Fine Art.** Pomona College, Claremont, California.  
            Honors at graduation, Phi Beta Kappa.

### EMPLOYMENT

- 2006      **Senior Research Professional**, School of Geographical Sciences, Arizona State University
- 2004-2006 **Senior Research Professional**, Department of Geography, Arizona State University
- 1997-2004 **Associate Research Professional**, Department of Geography, Arizona State University
- 1996-1997 **Assistant Research Professional**, Department of Geography, Arizona State University
- 1990-1995 **Assistant Research Specialist**, Department of Geography, Arizona State University
- 1987-1990 **Technical Illustrator**, Department of Geography, Arizona State University
- 1986      **Geography Intern**, National Geographic Society, Washington D.C.
- 1982-1984 **Research Intern**, East-West Center, Honolulu, Hawaii
- 1982      **Cartographic Draftsman**, Department of Agriculture, State of Hawaii
- 1981      **Cartographer**, Coastal Zone Atlas of American Samoa, University of Hawaii

### RESEARCH AND TEACHING INTERESTS

Cartographic design; children's cartography, synthesis of Geographic Information Systems and illustration software. Also instruct in geographic information fundamentals, and coordinate Geographical Sciences internship program

### COURSES TAUGHT

#### Arizona State University

- GPH 370      Geographic Information Technologies
- GPH 371      Cartography and Geographic Visualization
- GPH 373      GIS I
- GPH 471      Cartographic Design (*now re-named; taught this course 1993-2000*)
- GPH 484/584      Internship (*also cross-listed as GCU 484/584*)

## UNDERGRADUATE MENTORING

Antonio Faustini, Internship mentor, Department of Geography

Bryan Hudyma, Internship mentor, Department of Geography

Eric Kent, Footnote 18

Jacqueline Pursell, Internship mentor, Department of Geography

Luke Shillington, Footnote 18

## PUBLICATIONS

### Refereed Articles

Ekiss, G.O., B. Trapido-Lurie, J. Phillips, and E. Hinde. "The World in Spatial Terms: A Primer for Primary Teachers in Mapmaking and Map Reading," *Social Studies and the Young Learner*, 20:2 (2007):7-9.

Dorn, R.I., Douglas, J., Ekiss, G.O., Trapido-Lurie- B. Comeaux, M., Mings, R. Eden, R., Davis, C. Hinde, E., Ramakrishna, B. "Learning geography promotes learning math: results and implications of Arizona's GeoMath Grade K-9 program," *Journal of Geography*, 104 (2005):151-159.

E.A. Wentz, and B. Trapido-Lurie. "Structured College Internships in Geographic Education", *Journal of Geography*, 100 (2001):140-144.

A.J. Brazel, R.S. Cervený, and B. Trapido. "Localized Climatic Responses During the 11 July Eclipse: Phoenix AZ," *Climatic Change*, 23 (1993):155-168.

### Departmental publications

*The State Geographer*, 1999, 2001, 2003, 2006. Alumni newsletter, 28-30 pp.  
Responsible for editing, layout and production.

*Arizona State University Geography Graduate Studies*, 1992, 1993, 1994, 1997, 1998.  
Recruitment brochure. Drafted text, coordinated editing process, selected illustrations, coordinated production with Graduate College Publications Office.

*Graduate Studies in Geography at Arizona State University*, 1990. Recruitment poster.  
Designed, produced, and coordinated printing.

*Arizona State University Department of Geography Graduate Programs*, 1988.  
Graduate student recruitment brochure. Responsible for design, introductory text, photography, and production.

*Glacier and Climate Studies, West Gulkana Glacier and Environs, Alaska*, 1988. Eds. M.G. Marcus and W.J. Reynolds, Arizona State University Department of Geography Publication Series No. 4, 1988. Supervised production of 42 illustrations by 3 student employees. Designed and produced cover graphic.

**Invited publication**

- 1995 B. Trapido-Lurie. "The Cartography Laboratory at Arizona State University," *Cartographic Perspectives, bulletin of the North American Cartographic Information Society*, 22:12-13.

**Larger contributions to research publications:**

- In Press S.E. Falconer and P.L. Fall, *Bronze Age Rural Ecology and Village Life at Tell El-Hayyat, Jordan*. Oxford: Archaeopress/British Archeological Reports.  
Prepared 178 photos, maps and diagrams for publication.
- 2005 P.A. Gober. *Geography of Phoenix*. Philadelphia: University of Pennsylvania Press.  
Created 76 illustrations.
- 2004 D.D. Arreola, ed. *Hispanic Spaces, Latino Places: A Geography of Regional and Cultural Diversity*. Austin: University of Texas Press.  
Served as cartographic editor, created 18 figures, revised and prepared for publication 21 others submitted by contributors.
- 2002 D.D. Arreola. *Tejano South Texas: A Mexican-American Cultural Province*. Austin: University of Texas Press. Winner of 2003 Assn. of Am. Geographers J.B. Jackson Prize.  
Created or supervised student creation of 45 illustrations.

**SPONSORED RESEARCH**

National Geographic Society Education Foundation, awarded 2005; (period: 2006-2008); co-PI (20% recognition); \$250,000. *Geoliteracy For English Language Learners: Adaptation And Evaluation For Elementary And Middle School Classes*.

Supervise creation of maps and other graphics by Research Technician.

National Geographic Society Education Foundation, awarded 2004; (period: 2004-2005); co-PI (50% recognition); \$19,070. *Geomath: Completion of the Project*.

Created or supervised creation by student employees, of 68 maps and other graphics for this project. Winner of 2005 National Council for Social Studies (NCSS) Cram Award for the Enhancement of Geographic Literacy.

National Geographic Society Education Foundation, awarded 2004; (period: 2004-2006); co-PI (25% recognition); \$173,378. *Efficacy of Geoliteracy*.

Supervised creation by student employees of maps and other graphics.

**Larger contributions to other sponsored research:**

- 2002 *GeoLiteracy project*. Lesson plans integrating state geography and literacy standards. Winner of 2003 National Council for Social Studies (NCSS) Cram Award for the Enhancement of Geographic Literacy.  
Created or supervised creation of 27 new maps for this project.

- 1994 **Lemon Creek Glacier.** 24" x 33" two-color map, distributed alone and as an insert accompanying: M.G. Marcus, F.B. Chambers, and M. Long, 1995. "Recent Trends in Lemon Creek Glacier, Alaska," *Physical Geography*, 16(2):150-161.

Designed map and coordinated production and printing. Supervised production work by a student employee.

## CONTRACT RESEARCH

Arizona Department of Economic Security, Division of Children Youth and Families, awarded 2005 (period: 2005-2006); co-PI (75% recognition); \$32,479. *DCYF GIS Projects on Foster Home Removals and Location.*

Arizona Criminal Justice Commission, awarded 2004 (period: 2004-2005); co-PI (30% recognition); \$15,216. *ACJC Internet Mapping and Analysis Project.*

## PRESENTATIONS

### Conference Papers

- 2006 "Stars, Squiggles and Humps: Arizona Geographic Alliance's Adventures into Children's Cartography," *Changes in Geographic Education: Past, Present, and Future.* With Gale Olp Ekiss. Proceedings of the International Geographical Union Commission on Geographical Education Symposium: 155-159.
- 2005 Poster: *GeoLiteracy and GeoMath: Ventures into Children's Cartography.* Annual Meeting, North American Cartographic Information Society.
- 2001 Poster: *Cartographic Activities at Arizona State University.* Annual Meeting, North American Cartographic Information Society.
- 2000 Poster: *Cartographic Activities at Arizona State University.* Annual Meeting, North American Cartographic Information Society.
- 1995 Poster: *Re-Mapping Lemon Creek Glacier.* With Frederick B. Chambers and Melvin G. Marcus. Annual Meeting, Association of American Geographers
- 1994 Poster: *Automated Contour Plotting of Non-Gridded Data: A Comparison of Three Products.* Annual Meeting, Association of American Geographers.
- 1992 Poster: *Software Use at Arizona State University Cartography Laboratory.* Annual Meeting, North American Cartographic Information Society.
- 1991 Poster: *Cartography at Arizona State University: Recent Products and Techniques.* Annual Meeting, North American Cartographic Information Society.
- 1990 Poster: *Cartographic Activities at Arizona State University.* Annual Meeting, North American Cartographic Information Society.
- 1988 Poster: *Measuring Contrast between Map Symbols through Numerosity Estimation.* Annual Meeting, Association of American Geographers.

**Invited Talks**

- 2003 Presentation: *Cartographic Design using ArcGIS*. Cartographic and Design Services group, Salt River Project.
- 2002 Presentation: *Unscrambling the Jumble: Map Projections and Coordinate Systems*. Arizona Association of Crime Analysts monthly meeting.
- 2002 Workshop: *Cartographic Design using ArcGIS*. AGIC 2002 GIS Conference (Arizona Geographic Information Council annual meeting)
- 2000 Workshop: *Basics of Cartographic Design*. AGIC 2000 GIS Conference (Arizona Geographic Information Council annual meeting)
- 1996 Panelist: *Changing Roles of University Cartography Labs*. Annual Meeting, North American Cartographic Information Society.

**Panel Organization or Participation**

- 2001 Panelist, "Preparing Students for Internships", ASU Internship Coordinators workshop
- 1992 Panelist: *Software Use in Cartographic Production with an Emphasis on the Small Lab*. Annual Meeting, North American Cartographic Information Society.

**SERVICE****Professional Service****Larger national projects**

- 2005 B. Trapido-Lurie, cartographic editor. *NCGE 2004 Major Countries Outline Map Masters*, printed and distributed by NCGE (National Council for Geographic Education). Forty-seven outline maps, featuring the world's most populous countries. Supervised creation by student employees, supported by Arizona Geographic Alliance. Portion of sales income returned to Arizona Geographic Alliance.
- 2005 B. Trapido-Lurie, cartographic editor. *NCGE 2004 World and Regional Outline Map Masters*. Update of *NCGE 2001 Outline Map Blackline Masters*. Portion of sales income to be returned to Arizona Geographic Alliance.
- 2001 B. Trapido-Lurie, cartographic editor. *NCGE 2001 Outline Map Blackline Masters*.  
Updated and expanded from 1998 edition.
- 1998 B. Trapido-Lurie, cartographic editor. *NCGE 2004 Outline Map Blackline Masters*. Twenty-three maps based on series *An Outline Map Atlas for Arizona Classrooms*, sold nationally under NCGE logo.

**Other national:**

- 2006 Maps created for Arizona Geographic Alliance reproduced in La Crosse Tribune Education Feature, University of Florida Geography course, and Baltimore County MD curriculum guides.

- 2004 Development of web site for Association of Pacific Coast Geographers' 2005 Annual Meeting in Phoenix, Arizona
- 2003 Maps created for Arizona Geographic Alliance used in Summer Productions video, aired on The Learning Channel, and in Baltimore County MD curriculum development.
- 2001 Seventeen maps created for Arizona Geographic Alliance used in NASA's Mission Geography CD.

**Local:**

- 1999-present Maintain web page (<http://geography.asu.edu/jobs>) listing current internships, part-time and full-time positions in the field of geography, with an emphasis on Arizona. Typically post about 100 announcements per year.
- 2002-2004 Arizona Geographic Alliance, GeoMath Project.
  - 2003 Map of state's rivers created for Arizona Geographic Alliance used by Arizona State Department of Game and Fish
- 2001-2002 Arizona Geographic Alliance, GeoLiteracy Project.
- 1996-present Arizona Geographic Alliance: Create maps to accompany newsletters and lesson plans. Preliminary logo and newsletter masthead design.
- 1995, 1997 Presentation: *Thematic Mapping*. Alliance Summer Geographic Institute.
  - 1998, 2000 Institute for primary and secondary school teachers sponsored by Arizona Geographic Alliance.
- 1995 Exhibit: *AZTC: The Arizona Thunderstorm Chase Project*. Prepared display materials, exhibited at IMAX Theater, Scottsdale, in conjunction with storm-chasing film.
- 1992 Hispanic Math Project, P.I. Gary Bitter, Educational Media and Computers, Arizona State University. Participated in video filming, explaining how cartographers use scale.
- 1990-1994 Exhibits: For Geography Awareness Week and Geography Bee reception. Events held at ASU Geography department, open to public or to elementary- and middle-school contestants and their families.

**University Service**

- 2007 Chair, University Promotion and Continuing Appointment Review Committee
- 2006 Map/GIS Librarian/Archivist Selection Advisory Committee, Noble Science Library (School of Geographical Sciences Representative)
- 2006 Ad hoc group, Proposal for University-wide Promotion and Continuing Appointment Committee (Chair)
- 2005 Map/GIS Librarian/Archivist Selection Advisory Committee, Noble Science Library (Geography Department Representative)
- 2002-2006 Committee on Academic Professional Status (Chair, 2004-2006)
  - 2002 Map Librarian Selection Advisory Committee, Noble Science Library (Geography Department Representative)
- 1999-2001 Vice Provost's Information Technology Certificate Committee
- 1992-2002 Computer Consultant's Cooperative
- 1994-1997 Geographic Information Systems Multidisciplinary Initiative

- 1996 Map Librarian Selection Advisory Committee, Noble Science Library  
(Geography Department Representative)  
1993-1996 Career Services Advisory Board, Arizona State University

### **College Service**

- 2000-2007 CLAS Dean's Academic Professional Advisory Council (Chair, 2002-2003,  
2005-2007)  
1999 Co-organizer, CLAS Internship Roundtable and CLAS Internship Listserv

### **Department/School Service**

- Create visualizations (maps, diagrams, photographs, animations) in support of faculty research. Have created over 1000 maps and other graphics used in faculty publications and presentations.
- Coordinate School web site
- Serve as editor for biennial newsletter sent to alumni and university and national peer units.
- Design and produce materials to promote Geographical Sciences courses, programs and special events
- Coordinate Geographical Sciences internship program, helping community partners develop internship sites and publicizing internship opportunities to students

### **Committees:**

- 2005-present Cluster coordinator, GIScience cluster  
2001-2007 Chair, Affirmative Action Committee  
2003-2004 Program Review Self-Study Committee  
2002-2003 Ad hoc committees: Undergraduate GIS certificate; MAS GIS proposals  
2000 Academic Professional – Systems Administrator Search Committee  
1999-2000 Geographic Visualization/Cartography Faculty Search Committee  
1997-1999 Undergraduate Committee  
1993-2007 Computer Committee  
1993-present Publications Committee  
1996-1997 GIS Faculty Search Committee  
1996-1997 Program Review Self-Study Committee