

## **Phil Klein**

University of Northern Colorado  
College of Humanities and Social Sciences  
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### **Education**

PhD, University of Colorado - Boulder, 1993.  
Area of Study: Geography

MA, University of California - Los Angeles, 1987.  
Area of Study: Geography

BA, University of California - Santa Cruz, 1976.  
Area of Study: Environmental Planning

### **Professional Academic Experience**

Professor, Dept. of Geog. & GIS, University of Northern Colorado. (2008 - Present).

Co-PI, Co-Director, Association of American Geographers. (2007 - 2014).

Co-Coordinator, Colorado Geographic Alliance. (2005 - 2008).

Associate Professor, Geography, University of Northern Colorado. (2003 - 2008).

External Evaluator, CGGE Project, Association of American Geographers. (2003 - 2005).

Assistant Professor, Geography, University of Northern Colorado. (2001 - 2003).

Assistant Professor, Geography & Social Science, University of Northern Colorado. (1997 - 2001).

Geography Instructor, Upward Bound Program - University of Colorado - Boulder. (1997).

Adjunct Geography Instructor, Community College of Aurora. (1996 - 1997).

Visiting Assistant Professor, Geography, Central Michigan University. (1994 - 1995).

Asst. Project Director, Michigan Geographic Alliance. (1994 - 1995).

Research Assistant, Center for Geography Education - University of Colorado. (1990 - 1994).

Geography Instructor, CU Continuing Education. (1989 - 1991).

Graduate Instructor, CU Dept. of Geography. (1987 - 1989).

Teaching Associate, UCLA Dept. of Geography. (1984 - 1987).

TA Consultant, UCLA Office of Instructional Development. (1986).

## RESEARCH, SCHOLARSHIP, AND CREATIVE WORKS

### Publications

#### Juried

##### Journal Article

- Klein, P., Pawson, E., Solem, M., Ray, W. (2014). Geography education for 'an attainable global perspective'. *Journal of Geography in Higher Education*, 38(1), 17-27.. DOI: 10.1080/03098265.2013.80171
- Klein, P. (2013). Using the Center for Global Geography Education Project in the AP Human Geography curriculum. *The Geography Teacher*, 10(2), 53-59.
- Klein, P., Ray, W., Muñiz-Solari, O., Solem, M. (2012). Effective online practices for international learning collaborations. *Review of International Geographical Education Online (RIGEO)*, 2(1), 25-44.
- Klein, P., Fatima, M., McEwen, L., Moser, S., Schmidt, D., Zupan, S. (2011). Dismantling the ivory tower: Engaging geographers in university-community partnerships. *Journal of Geography in Higher Education*, 35(3), 425-444.
- Klein, P., Muñiz, O., Ray, W., Solem, M. (2009). Center for Global Geography Education: Designing materials for enhancing spatial thinking about global issues. *Geographic Education Society of Japan: The New Geography*, 57, 101-103.
- Klein, P., Donert, K., Higgitt, D., Healey, M., Solem, M., Vajoczki, S. (2008). Developing and enhancing international collaborative learning. *Journal of Geography in Higher Education*, 32(1), 121-133.
- Klein, P., Solem, M. (2008). Evaluating the impact of international collaboration on geography learning. *Journal of Geography in Higher Education*, 32(2), 245-267.
- Klein, P., Boyd, W., Healey, R., Hardwick, S., Haigh, M., Doran, B., Trafford, J., Bradbeer, J. (2008). 'None of us sets out to hurt people': The ethical geographer and geography curricula in higher education. *Journal of Geography in Higher Education*, 32(1), 37-50.
- Klein, P., DeChano, L. M., Bockenbauer, M., Caito, J., Hruska, L., Newton, A. (2005). Professional development and student achievement in geography: A research agenda. *Research in Geographic Education*, 7(1), 74-86.
- Klein, P. (2003). Active learning strategies and assessment in world geography classes. *Journal of Geography*, 102(4), 146-157.
- Klein, P., Kerski, J. J. (2002). Geography in the K-12 curriculum in Colorado: Results of a survey of social studies coordinators, 2001-02. *Research in Geographic Education*, 4(2), 78-99.
- Klein, P. (1993). Expressions of interest in environmental issues by U.S. secondary geography students. *International Research in Geographical and Environmental Education*, 2(2), 108-112.

##### Book Chapter

Noor, S., Fatima, M., Klein, P. (2017). Geography Education in Informal Settings and for Public, Community, and Civic Engagement. In Douglas Richardson (Ed.), *The International Encyclopedia of Geography: People, the Earth, Environment, and Technology* (vol. VI, pp. 2688-2697). Washington DC: John Wiley and American Association of Geographers.. DOI: DOI: 10.1002/9781118786352

Klein, P., Luna, A., Keane, M. (2009). Re-imagining national identity in a changing Europe. In M. Keane and M. Villanueva (Ed.), *Thinking European(s): New Geographies of Place, Cultures, and Identities* (pp. 188-226). Cambridge UK: Cambridge Scholars Publishing.

Klein, P., Solem, M. (2006). Strategies for teaching geography through international collaborations. In K. Purnell, J. Lidstone, and S. Hodgson (Ed.), *Changes in Geographical Education: Past, Present and Future* (pp. 259–263). Brisbane, Australia: IGU Commission on Geographical Education.

Klein, P., Fischer, F. (2000). The implications of new research and scholarship in history and geography for undergraduate and teacher education. In S. W. Bednarz and R. S. Bednarz (Ed.), *Social Science on the Frontier: New Horizons in History and Geography* (pp. 67–86). Boulder, CO: Social Science Education Consortium.

Klein, P. (1997). Geography in the curriculum: Unanswered questions. In R. G. Boehm and J. F. Petersen (Ed.), *The First Assessment: Research in Geographic Education* (pp. 181–190). San Marcos, TX: Grosvenor Center for Geographic Education.

Klein, P., Hill, A. D., Richburg, R. W. (1994). The national school trials of the Geographic Inquiry into Global Issues modules. In H. Haubrich. Nürnberg (Ed.), *Europe and the World in Geography Education*. IGU Commission on Geographical Education.

Dunn, J., Hill, A. D., Dorsey, B., Klein, P. (1992). The Geographic Inquiry into Global Issues Project: Rationale, Development, and Evaluation. In A. David Hill (Ed.), *International Perspectives on Geographic Education*. Boulder, Colorado: Center for Geography Education.

#### Other Publications

Klein, P. (1995). *Using inquiry to enhance the learning and appreciation of geography* (2nd ed., vol. 94, pp. 358–367). Journal of Geography.

#### Non-juried

##### Book Review

Klein, P., Palmer, D. (2008). *The Introductory Reader in Human Geography* (4-5 ed., vol. 107, pp. 202-203). Journal of Geography.

Klein, P. (1997). *Greening the College Curriculum* (2nd ed., vol. 96, pp. 127–128). Journal of Geography.

##### Conference (Full Paper) Proceeding

Diggs, D., Klein, P., Lopez, A. (2009). Collaborative Development of Secondary School Internet Mapping Activities. *Proceedings of the Annual ESRI International Education User Conference*. San Diego, CA: ESRI.  
[http://proceedings.esri.com/library/userconf/educ09/educ/papers/pap\\_1063.pdf](http://proceedings.esri.com/library/userconf/educ09/educ/papers/pap_1063.pdf)

#### Newsletter

Klein, P., Solem, M. (2005). *Online global geography modules enhance undergraduate learning* (8th ed., vol. 40, pp. 11). AAG Newsletter.

#### Newspaper

Dunn, J., Klein, P. (2006). *What makes a good geography class?* (pp. 3E). Denver Post, Perspectives Section.

#### Technical Report

Dunn, J., Hill, A. D., Klein, P. (1990). *Instructional Materials for Global Geography, Bulletin 10: Module Ideas*. Boulder, Colorado: Center for Geography Education.

Dunn, J., Hill, A. D., Klein, P. (1990). *Instructional Materials for Global Geography, Bulletin 9*. Boulder, Colorado: Center for Geography Education.

#### Other Publications

Diggs, D., Klein, P., Lopez, A. (2008). *Learning about Soils, Biomes, and Climate: An exercise for Middle School and Secondary Students*. University of Northern Colorado, Geography Program and Colorado Geographic Alliance.  
<http://www.unco.edu/geography/sbc>

Diggs, D., Klein, P. (2004). *Colorado's Geography: Mapping Our Past*. Greeley, Colorado: Colorado Geographic Alliance and the University of Northern Colorado.  
<http://www.unco.edu/geography/mapco>

### Professional Presentations

#### Invited

##### Juried

Klein, P., Geographical Association Annual Meeting, "Using the CGGE project in A-level/IB geography courses," Guildford, Surrey, UK. (2014).

Klein, P., Solem, M., IGU Commission on Geographical Education Symposium, "Strategies for teaching geography through international collaborations," Brisbane, Australia. (2006).

Klein, P., Geo-Nexus Symposium: Research in Geographic and Environmental Education, "Status of Geography in K-12 Curricula in Colorado," San Marcos, Texas. (2003).

Klein, P., Flake, S., Downey, V., Golson, E., AAHE Assessment Conference, "General Education: Implementing a Course-Embedded Assessment Model," Denver. (2001).

Klein, P., IGU Commission on Geographical Education Symposium, "Creating a Model of a Quality Inquiry Learning Experience," The Hague, Netherlands. (1996).

Klein, P., IGU Commission on Geographical Education Symposium, "Affective Outcomes for Environmental Issues-Based Instructional Materials," Boulder, Colorado. (1992).

Non-juried

Klein, P., Diggs, D., Colorado Geographic Alliance, "Colorado's Geography: Mapping Our Past - updates," Colorado Springs, CO. (June 2017).

Klein, P., Diggs, D., Annual Meeting of the National Council for Geographic Education, "Introducing ArcGIS Online to Improve the Spatial Thinking Skills of Future Teachers," National Council for Geographic Education, Washington, DC. (August 7, 2015).

**Not Invited**

Juried

Klein, P., Association of American Geographers Annual Meeting, "Perceptions of Colorado Geography Teachers about the Capabilities Approach,," Chicago, Illinois. (2015).

Non-juried

Klein, P., "Promoting Global Perspectives Through Geography Education," National Council for Geographic Education, San Marcos, Texas. (2012).

Klein, P., "Using MapMaster to Teach Spatial Patterns and Relationships," National Council for Geographic Education, San Marcos, Texas. (2012).

Klein, P. (Discussant), AAG-Great Plains/Rocky Mountain Region Meeting, "Program Building for Current and Future Geography Chairs," Denver, Colorado. (2011).

Klein, P. (Discussant), "Geography and Liberal Education: Intersecting Points on a Map," Association of American Geographers, Seattle, Washington. (2011).

Klein, P., "The AAG Center for Global Geography Education," National Council for Geographic Education, Portland, Oregon. (2011).

Klein, P., "The AAG Center for Global Geography Education," National Council for Geographic Education, Savannah, Georgia. (2010).

Diggs, D., Klein, P., Lopez, A., Annual ESRI International Education User Conference, "Collaborative Development of Secondary School Internet Mapping Activities," San Diego, California. (2009).

Klein, P. (Coordinator/Organizer), Keane, M., Luna, A., "Overview of CGGE National Identity Module," Association of American Geographers, Las Vegas, Nevada. (2009).

Klein, P. (Coordinator/Organizer), "Spatial Thinking for Preschool and Elementary Curricula," Association of American Geographers, Las Vegas, Nevada. (2009).

Klein, P., "The AAG Center for Global Geography Education," National Council for Geographic Education, San Juan, P.R. (2009).

Klein, P., Keane, M., Luna, A., "Perspectives of Undergraduates in the U.S. and Europe," Association of American Geographers, Boston, Mass. (2008).

Klein, P., "Teaching 'the Impossible Course': Taking on the Challenges of World Regional Geography," Association of American Geographers, Boston, Mass. (2008).

- Klein, P., "The AAG Center for Global Geography Education – Application for AP Human Geography," National Council for Geographic Education, Dearborn, Michigan. (2008).
- Klein, P., "Atlas Activities for Teaching World Geography," AAG Great Plains-Rocky Mountain Division, Denver, Colorado. (2007).
- Klein, P., "Developing and Enhancing International Collaborative Learning," Association of American Geographers, San Francisco. (2007).
- Klein, P., Geography in the Americas conference, "Developing and Enhancing International Collaborative Learning," La Serena, Chile. (2007).
- Dunn, J., Klein, P., Annual meeting of the National Council for Geographic Education, "Evaluating the Impact of Professional Development," Oklahoma City, Oklahoma. (October 20, 2007).
- Klein, P. (Discussant), "Research in Geographic Education: Professional Development," National Council for Geographic Education, Lake Tahoe, Nevada. (2006).
- Klein, P. (Discussant), "Task Force on Geography and Literacy," National Council for Geographic Education, Lake Tahoe, Nevada. (2006).
- Klein, P., "Teaching Geography Through International Collaborations: What Works?," Association of American Geographers, Chicago, Illinois. (2006).
- Dunn, J., Klein, P., Cities and Regions of Destiny Course, "Trend or Destiny? Changing Regional Relationships in the 21st. Century," Denver, Colorado. (November 7, 2006).
- Diggs, D., Klein, P., Association of American Geographers, Annual Meeting, "Colorado's Geography: Mapping Our Past," Denver, Colorado. (2005).
- Klein, P., "The Continental Divide: An Internet-Mapping Activity," National Council for Geographic Education, Birmingham, Alabama. (2005).
- Klein, P., Diggs, D., "Effectiveness of GIS Activities for Teaching Historical Geography," National Council for Geographic Education, Kansas City, Missouri. (2004).
- Diggs, D., Klein, P., National Council for Geographic Education, Annual Meeting, "GIS Design Strategies for Historical Geography Materials," Kansas City, Missouri. (October 22, 2004).
- Klein, P., "Atlas Warm-up Activities for Teaching World Regional Geography," National Council for Geographic Education, Philadelphia. (2002).
- Klein, P., Grosvenor Center Int'l Symposium on Geography Education, "The Course-Embedded Assessment Model for General Education at UNC," San Marcos, Texas. (2001).
- Klein, P., "Implementation of Standards-Based Assessments in Jefferson County, Colorado," Association of American Geographers, New York. (2001).
- Klein, P. (Coordinator/Organizer), "Approaches to Teaching World Regional Geography—II," National Council for Geographic Education, Boston. (1999).
- Klein, P., Gindele, R., "Design of a New Geography Course in Pedagogical Content

Knowledge," National Council for Geographic Education, Boston. (1999).

Klein, P. (Coordinator/Organizer), "Approaches to Teaching Introductory World Regional Geography," National Council for Geographic Education, Indianapolis. (1998).

Klein, P. (Discussant), Grosvenor Center Symposium on Geography Education: First Assessment Conference, "Geography in the Curriculum," San Marcos, Texas. (1997).

Klein, P. (Coordinator/Organizer), "Using Geographic Issues to Present Multicultural Perspectives," National Council for Geographic Education, Orlando. (1997).

Dunn, J., Klein, P., Hill, A. D., AAG Annual Meeting Program and Abstracts, "Assessing Geographic Inquiry into Global Issues for national geography standards," Association of American Geographers, Charlotte. (April 1996).

Klein, P., "Using Inquiry to Enhance the Learning and Appreciation of Geography," National Council for Geographic Education, San Antonio. (1995).

Klein, P., "Engaging Both the Heart and the Mind: Making Geographic Inquiry Work," Association of American Geographers, San Francisco. (1994).

Klein, P., "Qualities of the Inquiry Classroom," National Council for Geographic Education, Lexington, Kentucky. (1994).

Klein, P., "Assessment of Secondary Students' Expressions of Interest in Environmental Issues," Association of American Geographers, Atlanta. (1993).

Dunn, J., Klein, P., Hill, A. D., Dorsey, B., AAG Annual Meeting Program and Abstracts, "The Geographic Inquiry into Global Issues Project: Rationale, Development, and Evaluation," Association of American Geographers, San Diego, California. (April 1992).

## **Media Contributions**

### **TV**

Channel 5 News. (October 2016).

## **Research in Progress**

"Using Issues-Based Inquiry to Teach Geographic Concepts" (On-Going).  
Invited chapter for book called "Handbook of Teaching and Learning in Geography" to be published in UK

## **GRANTS**

### **Funded**

Klein, P., Diggs, D., "Colorado's Geography: Mapping Our Past - Phase II," Sponsored by Hewitt Institute for History and Social Science Education, University of Northern Colorado, \$10,308.00. (2016 - Present).

Klein, P., "RDFD - Sabbatical support," Sponsored by FRPB, UNC, University of Northern Colorado, \$2,347.00. (2014).

Klein, P. (Co-Principal), Solem, M. N. (Co-Principal), Muñiz, O. A. (Co-Principal), "Developing an Online Center for Global Geography Education (Phase 2)," Sponsored by National Science Foundation's Course, Curriculum, and Lab Improvement program, \$495,481.00. (September 2007 - August 2011).

Dunn, J., Klein, P. (Co-Principal), "Colorado Geographic Alliance: Rebuilding the Statewide Network," Sponsored by National Geographic Society's Colorado Geography Education Fund, \$327,813.00. (September 2005 - October 2009).

Klein, P., "AAG Travel Grant for IGU Congress." (2006).

Klein, P. (Co-Principal), Diggs, D. (Co-Principal), "Map Resources for the Historical Geography of Colorado," Sponsored by National Geographic Society's Colorado Geography Education Fund, \$26,929.00. (2003 - 2004).

Klein, P. (Co-Principal), Giese, J. R. (Co-Principal), "Online Historical Geography Resources for Elementary Social Studies," Sponsored by National Geographic Society's Colorado Geography Education Fund, \$3,500.00. (2002 - 2003).

Klein, P., "Survey of Colorado Social Studies Coordinators: Status of K-12 Geography Education," Sponsored by Hewitt Institute for History and Social Science Education, University of Northern Colorado, \$471.00. (2001).

Klein, P., "Development of a Team-Taught Course in Pedagogical Content Knowledge for Secondary-Emphasis Majors in Geography," Sponsored by UNC Foundation, University of Northern Colorado, \$500.00. (1999).

Klein, P., "National Research Council Travel Grant for IGU Congress, Amsterdam." (1996).

Klein, P., "Geography Department Fellowship," Sponsored by University of Colorado, Boulder. (1987 - 1989).

Klein, P., "University Fellowship," Sponsored by University of California, Los Angeles. (1983 - 1984).

## **TEACHING**

### **Teaching Experience**

#### **University of Northern Colorado**

##### **Courses Taught:**

EDFE 555, Supervised Student Teaching, 1 course. 9.00 credit hours.

GEOG 100, World Geography, 19 courses. 3.00 credit hours.

GEOG 200, Human Geography, 20 courses. 3.00 credit hours.

GEOG 224, Exploring Colorado, 2 courses. 3.00 credit hours.

GEOG 340, Europe, 10 courses. 3.00 credit hours.

GEOG 390, Geographic Inquiry: Applying Spatial Thinking, 4 courses. 3.00 credit hours.

GEOG 410, Teaching Geography in Secondary Curriculum, 1 course. 1.00 credit hours.

GEOG 411, Geography Concepts and Issues, 1 course. 2.00 credit hours.

GEOG 422, Directed Studies, 2 courses. 3.00 credit hours.

GEOG 492, Internship, 4 courses. 3.00 credit hours.

GEOG 495, Senior Seminar, 2 courses. 3.00 credit hours.

GEOG 509, Advanced Placement Institute in Human Geography, 3 courses. 2.00 credit hours.

GEOG 513, Professional Renewal, 2 courses. 1.00 credit hours.

SOSC 300, Social Science and Historical Perspectives, 7 courses. 3.00 credit hours.

STEP 161, Observation and Analysis of Secondary Teaching I, 6 courses. 2.00 credit hours.

STEP 262, Observation and Analysis of Secondary Teaching II, 7 courses. 2.00 credit hours.

STEP 363, Clinical Experience: Secondary, 6 courses. 2.00 credit hours.

## **Academic Advising**

Fall 2017: 10 undergraduate students advised.

Spring 2017: 10 undergraduate students advised.

Fall 2016: 10 undergraduate students advised.

Spring 2016: 10 undergraduate students advised, 1 graduate students advised.

## **Non-Credit Instruction**

Workshop, Introducing ArcGIS Online to Improve Spatial Thinking Skills of Future Teachers. (2015).

Webinar, Teaching Collaborations in AP Human Geography and Beyond. (2014).

Workshop, "Internationalizing Geography Education: A focus on Japan" – (CGGE Workshop). (September 2012).

Workshop, "Internationalizing Geography Education: A focus on India and South Asia" – (CGGE Workshop) Bangalore, India. (March 2012).

Workshop, "No Passports Required: International Collaborative Teaching and Learning" – (AAG Annual Meeting) Seattle, Washington. (April 2011).

Workshop, "No Passports Required: International Collaborative Teaching and Learning" – (AAG Annual Meeting) Washington DC. (April 2010).

Workshop, "Expanding U.S.-Asia Collaborations in Geography Education" – (CGGE Workshop) Singapore. (March 2010).

Workshop, "No Passports Required: International Collaborative Teaching and Learning" – (Geo-

Summit Int'l Geography Education Conference) San Marcos, Texas. (2009).

Workshop, "No Passports Required: International Collaborative Teaching and Learning" – (AAG Annual Meeting) Las Vegas, Nevada. (April 2009).

Workshop, Writer's workshop for CGGE module development: Liverpool (HERODOT European Geography Network Conference). (2008).

Workshop, "Aspects of Spatial Thinking" – workshop for elementary teachers in Boulder and the North Metro area, sponsored by CU's Council on Teaching East Asia. (2008).

Workshop, "No Passports Required: International Collaborative Teaching and Learning" – (IGU Congress) Tunis. (2008).

Workshop, Advanced Placement Institute: Human Geography, University of Northern Colorado, Greeley (director and co-leader for 6 week-long workshops). (2007 - 2008).

Workshop, "Geography of Japan" – three workshops for secondary teachers in Boulder and the North Metro area, sponsored by CU's Council on Teaching East Asia. (2007 - 2008).

Workshop, "No Passports Required: International Collaborative Teaching and Learning" – (AAG Annual Meeting) Boston, Massachusetts. (April 2008).

Workshop, "Expanding Geography Education Networks in the Americas" – (CGGE Workshop) Pisco Elqui, Chile. (2007).

Workshop, "Geography's Big Ideas" – three workshops for secondary teachers in Denver and Boulder Valley School Districts on geography content and teaching strategies. (2006 - 2007).

Continuing Education, "Regional Geography: Concepts, Issues, and Case Studies" – week-long graduate-credit course for Jefferson County School District secondary teachers. (2005 - 2006).

Guest Lecture, Presentation to elementary- and middle-school teachers on geography content of "Five States of Colorado" video, Colorado Endowment for the Humanities. (2004 - 2005).

Workshop, Four day-long workshops for fifth- and sixth-grade teachers in Jefferson County School District on geography content and assessment design. (2004).

Workshop, Advanced Placement Institute: Human Geography, University of Northern Colorado, Greeley (director and co-leader for 6 week-long workshops). (2001 - 2004).

Guest Lecture, Presentation to elementary teachers on geography content standards, Colorado Academy, Denver (private school). (2003).

Workshop, Content Preparation for Middle School Teachers on District Geography Assessments (four workshops), Jefferson County School District, Golden, Colorado. (2002 - 2003).

Workshop, Workshop: Asking Geographic Questions, Colorado Geographic Alliance Summer Institute on Geography and Literacy, Estes Park (given in two years). (2002).

Workshop, Implementing the High School Geography Performance-Based Assessments (four workshops), Jefferson County School District, Golden, Colorado. (2001 - 2002).

Workshop, Workshop: Asking Geographic Questions, Colorado Geographic Alliance Summer Institute on Geography and Literacy, Estes Park (given in two years). (2000).

Guest Lecture, Content Presentation: Soil Fertility, Colorado Geographic Alliance Institute, Greeley. (1998).

## **SERVICE**

### **University Service**

Committee Member, Liberal Arts Core Council. (2015 - Present).

Faculty Advisor, Honors, Scholarship and Leadership Program. (2010 - 2013).

co-chair, Review Committee, Center for Engaged Research and Civic Action. (2012).

University Senate Service, Faculty Welfare Committee. (2006 - 2009).

Faculty participant, CDE's gtPathways program course review. (2008).

Faculty Participant, Class Act Learning Community. (1999 - 2007).

Faculty Participant, Cluster Learning Community. (2004).

University Senate Service, Academic Policies Committee. (2003 - 2004).

Chairperson, University General Education Council. (2003 - 2004).

Faculty Participant, Cumbres Learning Community. (2001).

Committee Member, Teacher Education Working Committee, Faculty-to-Faculty Conference. (2001).

Task Force Member, University Task Force on Elementary Education Preparation. (1999 - 2000).

### **College Service**

Committee Chair, Faculty Governing Board, Hewitt Institute for History and Social Science Education. (2014 - Present).

Member, Teacher Education Faculty (renewed 2003, 2008). (1998 - Present).

Member, Graduate Faculty (renewed 2003, 2008, 2013). (1997 - Present).

Committee Member, Africana Studies DEC. (2015 - 2016).

Committee Member, Social Science Scholarships Award Committee. (2012 - 2016).

Member, College Leadership Council, College of Humanities and Social Sciences. (2010 - 2015).

Committee Member, Selection Committee, Social Science Engaged Research Award. (2012).

Committee Member, HSS Budget and Planning Committee. (2009 - 2012).

Committee Member, Search Committee, Asst. Director of Faculty Development, CETL. (2010 - 2011).

NCATE report writer for Geography-Secondary Teaching emphasis. (2007 - 2009).

Faculty Senator, College of Humanities and Social Science. (2006 - 2009).

Committee Member, Environmental Studies Program Advisory Committee. (2001 - 2006).

Member, Interdisciplinary Studies–Liberal Arts (IDLA) Program Council. (2001 - 2006).

Committee Chair, Social Sciences Area Committee, General Education Council. (1999 - 2004).

Leader, Gen Ed Council workshops, Course Embedded Assessment. (2000 - 2002).

Committee Member, Social Science Program: Faculty search and screen committee. (2001).

Committee Member, Department Evaluation Committee, Social Science Program. (1998 - 2001).

## **Department Service**

Faculty Advisor, Department Liaison, Postbac Secondary Licensure. (2007 - Present).

Summer advising for incoming students. (2007 - Present).

Department Liaison, School of Teacher Education. (2000 - Present).

Chairperson, Search and Screen Committee, GIS Searches. (2016 - 2017).

Faculty Advisor, Department Liaison, Honors Program. (2015 - 2016).

Chairperson, Department of Geography & GIS. (2010 - 2015).

Committee Member, Geography Department/Program Evaluation Committee. (1998 - 2010).

Coordinator, Geography Program, School of Social Sciences. (2008 - 2009).

Committee Chair, Search and Screen Committee (PhD Lecturer in Geography). (2006 - 2007).

Faculty Advisor, Powell Geography Club (undergraduate students). (2001 - 2003).

Geography representative, Social Science Program Advisory Board. (1997 - 2003).

Committee Member, Geography faculty search and screen committee (Planning). (2002).

Committee Member, Geography faculty search and screen committees (GIS and Geog Ed). (2001).

Committee Member, Geography faculty search and screen committee (Econ Geog). (1998).

## **Professional Service**

Reviewer, Journal Article, The Geography Teacher. (2015 - Present).

Reviewer, Journal Article, Journal of Geography in Higher Education. (2011 - Present).

Reviewer, Journal Article, Journal of Geography. (2011 - Present).

Editorial Review Board Member, Research in Geographic Education. (2008 - Present).

Editorial Review Board Member, International Geographical Education Online. (2011 - 2015).

Reviewer, Textbook, Oxford University Press. (2012).

Member, Publications and Products Committee, NCGE. (2010 - 2012).

Member, AAG Committee on College Geography and Careers. (2009 - 2012).

Chapter reviewer, Int'l Geography Education Series (Grosvenor Center). (2011).

Chapter reviewer, Practicing Geography book (AAG). (2011).

Manuscript reviewer, Research in Geographic Education. (2006 - 2011).

Reviewer, Book, The Guilford Press. (2010).

Task Force Member, NCGE Task Force on Spatial Thinking in K-3 Curricula. (2008 - 2009).

College-University Member, Curriculum & Instruction Committee, NCGE. (2007 - 2009).

Manuscript reviewer, International Studies Association Compendium Project. (2008).

Task Force Member, NCGE Task Force on Geography and Literacy. (2006 - 2008).

Program Organizer, Conference strand on Geography and Math, NCGE. (2007).

Task Force Member, NCGE Journal of Geography Awards Task Force (chair in 2006). (2004 - 2006).

Task Force Member, NCGE Nominations Task Force. (2005).

Board of Directors, Geography Education Specialty Group, AAG. (1993 - 1995).

## **Public/Community Service**

Mentor for K-12 teachers using ArcGIS.com, AAG-Esri "Geo-Mentor". (2016 - Present).

Public lecture, Fort Collins Museum of Discovery (Night with a Geographer). (2014).

Parent volunteer, Turner Middle School (Geography Bee), Berthoud, Colorado. (2014).

Parent volunteer, Ivy Stockwell Elementary School, Berthoud, Colorado. (2005 - 2011).

Guest Speaker, Presentation on world cities to Academy of Lifelong Learning, Denver, Colorado. (2006).

Parent volunteer, Little 't' Preschool, Berthoud, Colorado. (2003 - 2006).

Volunteer, Berthoud Public Library, Berthoud, Colorado. (2002).

Committee Member, UNC Model United Nations. (1998).

## **Consulting**

For Profit Organization, Pearson Education, Inc., San Francisco, CA. (2010 - Present).

Government, Boulder Valley School District. (2006).

For Profit Organization, TCI (Teacher's Curriculum Institute), Inc., Palo Alto, CA. (2003 - 2005).

Government, Jefferson County School District. (1999 - 2005).

Non-Profit Organization, ETS (Educational Testing Service), New Jersey. (1999 - 2003).

For Profit Organization, Publications International, Ltd., Lincolnwood, IL. (1997 - 2003).

Non-Profit Organization, National Evaluation Systems, Amherst MA. (1999 - 2000).

Government, St Vrain School District, Longmont CO. (1998).

For Profit Organization, Encyclopaedia Britannica Educational Corp., Chicago. (1996 - 1997).

For Profit Organization, Explore Technologies, Inc., Santa Clara, CA. (1996 - 1997).

### **DEVELOPMENT ACTIVITIES ATTENDED**

Workshop, "Transformative Research in Geographic Education," AAG, Boston, MA. (April 2017).

Workshop, "T3G Institute (Teachers Teaching Teachers GIS)," Redlands, California. (2014).

Workshop, "Geo-Capabilities Workshop," European Association of Geographer, Bruges, Belgium. (2013).

Workshop, "International Network of Geography Learning and Teaching (INLT)," Brisbane, Australia. (2006).

Workshop, "Social Science Education Consortium." (2001).

### **AWARDS AND HONORS**

#### **Other**

College Scholar, College of Humanities and Social Sciences, University of Northern Colorado. (2009).

Award for Best Article for Teaching at the College/University Level, National Council for Geographic Education. (2003).

Teaching Excellence Award, College of Arts and Sciences, University of Northern Colorado. (2001).

Dissertation Award, National Council for Geographic Education. (1995).

California State Scholarship, University of California, Santa Cruz. (1972).

#### **Scholarship/Research**

Departmental Fellowship, University of Colorado Department of Geography. (1987).

University Fellowship, UCLA Department of Geography. (1983).

## **PROFESSIONAL MEMBERSHIPS**

International Network of Learning & Teaching Geography in Higher Education. (2006 - Present).

American Association of Geographers. (1992 - Present).

National Council for Geographic Education. (1992 - Present).

Colorado Geographic Alliance. (1990 - Present).

Social Science Education Consortium. (1999 - 2004).

Michigan Geographic Alliance. (1994 - 1996).