

## VITA

Michael E. Ritter

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### Background Data

#### Personal Data

Date and Place of Birth	March 9, 1954 Macomb, Illinois
Current Mailing Address:	Department of Geography/Geology University of Wisconsin - Stevens Point Stevens Point, Wisconsin 54481
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#### Advanced Education

Ph.D. Geography, Indiana University,  
Bloomington, Indiana 1986.

##### Ph.D. Dissertation

"Modeling Atmospheric Longwave Irradiance Over Alpine Tundra: Niwot Ridge, Colorado Front Range", Indiana University, Bloomington, Indiana (August, 1986)

M.A. Geography, Indiana University,  
Bloomington, Indiana 1981.

##### Master's Thesis

Two research paper option:

"The Influence of Physical Factors on the Use of Conservation Tillage Techniques in Indiana", Indiana University, Bloomington, Indiana (August 1981)

"The Evolution of an Accessibility Surface: The Chinese Railroad Network 1935-1980", Indiana University, Bloomington, Indiana (August, 1981)

B.S. Geography, Western Illinois University,  
Macomb, Illinois 1978.

Major: Geography  
Minor: Learning Resources

### Relevant Work Experience

1997 – to date	Professor, Geography University of Wisconsin - Stevens Point
1996 - 2001	Chair, Department of Geography/Geology University of Wisconsin - Stevens Point
1986 - 1997	Associate Professor, Geography University of Wisconsin - Stevens Point
1987 - 1995	Part-time appointment to the University of Wisconsin - Stevens Point, College of Natural Resources (1 course/year).
1988 - 1989	Summer Assistant Director, Mountain Research Center, Institute of Arctic and Alpine Research, University of Colorado, Boulder, Colorado.
1978 - 1986	Associate Instructor, Department of Geography, Indiana University.
1983	Instructor, Department of Geography, Indiana University - Purdue University at Indianapolis (1 semester)

### Awards and Honors

University of Wisconsin - Stevens Point Geography/Geology Department Excellence in Teaching Award (1987-1988, 2000)

University of Wisconsin - Stevens Point Nominee Excellence in Teaching (1987)

University of Wisconsin - Stevens Point Dean's Merit (1987-1993; 1996 - 2000; 2002-2003; 2006-2008)

University of Wisconsin - Stevens Point Vice Chancellor's Merit (1996; 1999-2002; 2006-2007)

### Memberships

Association of American Geographers  
National Council for Geographic Education  
National Science Teachers Association

## Teaching

### UWSP Teaching Curriculum

#### Courses Taught:

The Physical Environment	(Geog. 101)
Wisconsin	(Geog. 211)
Environmental Degradation	(Geog. 340/540)
Physical Climatology & Meteorology	(Geog. 353/535)
Climatology	(Geog. 354/554)
Air Resources	(NR. 357)
Special Topics:	
Internet Resources for earth and environmental science*	(Geog 391)
Directed Study	(Geog. 395)
Directed Research	(Geog. 399)
Senior Research Seminar	(Geog. 490)
Great Britain	(Intl. Stud. 399)
Study Tour of Europe	(Intl. Stud. 399A)
Practicum in Geography	(Geog. 485)

### Other Relevant Teaching Experience

#### *Indiana University*

Physical Systems of the Environment	(Geog. 107)
Weather & Climate	(Geog. 109)
Man's Impact on the Environment	(Geog. 208)
Physical Climatology & Meteorology	(Geog. 304)

#### *Indiana University - Purdue University at Indianapolis*

Weather, Climate, & Man	(Geog. 303)
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#### *University of Colorado - Institute for Arctic and Alpine Research*

Mountain Climatology (Assistant to principal instructor G. Olyphant)	(Geog. 433/533)
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## Professional Development and Scholarship

### Publications

- 2009 Ritter, M. "Finding Geography on Twitter". Perspectives. National Council for Geographic Education. (forthcoming)
- 2008 Ritter, M., J. Aubert & Ginger H. Birkeland, Companion Web Site for Christopherson, Geosystems 7/e. Prentice Hall (Online exams, map and critical thinking exercises, media links, and web resource links.
- 2008 Byrand, K. & M. Ritter for McKnight, T and D. Hess (2008) Physical Geography: A Landscape Appreciation 9/e. Prentice Hall. (Online exams, map and critical thinking exercises, media links, and web resource links.
- 2008 Lemke, K, Ritter, M.E., Heywood, N.C, Laboratory Manual for Physical Geography, McGraw-Hill. 352 pages.
- 2007 Ritter, M. The Physical Environment. (Online textbook) Prentice Hall, (under contract).
- 2006 Ritter, M. & J. Aubert, Student Learning Center for Christopherson, Elemental Geosystems 5/e. Prentice Hall. (Online)
- 2006 Entries for *Antipodes, Butte, Cliff, Fall Line, Firth, Hanging Valley, Meridian, Mountain Pass, Pole*. World Book Encyclopedia.
- 2005 Entries for *Bay, Gulf, Lagoon, Moor, Moraine, Sound*. World Book Encyclopedia.
- 2004 Ritter, M. Companion Web site for McKnight, T and D. Hess (2005) Physical Geography: A Landscape Appreciation 8/e. Prentice Hall. (Online exams, map and critical thinking exercises, media links, and web resource links.
- 2003 Ritter, M. "Implementing a Weekly Web Link Assignment". Teaching with Technology Today. 9:8. (Online) <http://www.uwsa.edu/ttt/articles/ritter.htm>
- Ritter, M. The Physical Environment: An Introduction to Physical Geography. (Online textbook) Self-published 450 p.
- 2002 Hefferan, K., Heywood, N. and Ritter, M., 2002, "Integrating Field Trips and Classroom Learning in a Capstone Undergraduate Research Experience". *Journal of Geography*, Vol. 101, No. 5, 183-190 pp.
- Ritter, M.E. Technology Guide to Accompany Geology 3e, Houghton Mifflin. 12 pages
- 2001 Ritter, M.E. and Butler, J.C., "Leveraging the Web for Student Self-assessment", *Computers & Geosciences* (27) 129 – 131.
- 2000 "Virtual Geographies and the Use of the Internet for Learning and Teaching Geography in Higher Education", with K. Lemke *Journal of Geography in Higher Education*,
- "Addressing the "Seven Principles for Good Practice in Undergraduate Education" with Internet-Enhanced Education", with K. Lemke *Journal of Geography in Higher Education*,
- "Indian Peaks, Colorado Virtual Field Trip", *Geography, SCINet Series CD-ROM*. Scottish Council for Educational Technology, Glasgow, Scotland

- 1998 "Virtual Field Trips: Just Like Being There", Teaching with Technology Today 2:4 (Online) <http://www.uwsa.edu/olit/ttt/ttv2n4.htm>
- 1997 Earth Online: an Internet Guide for Earth Science, Wadsworth Publishing, 264 p.
- 1995 "Digital Chisel" Association of American Geographers Newsletter, Vol. 30, No. 5,.4; 25 pp.
- 1994 "Mosaic and the World Wide Web", Cartographic Perspectives, No. 19, Fall, 44-47 pp.
- 1994 The Physical Environment Laboratory Manual, with N. Heywood, & K. Lemke, Department of Geography/Geology, University of Wisconsin - Stevens Point, Stevens Point, WI, 485p.
- 1991 Our Environment: A Videodisc for Environmental Learning, Co-author, content coordinator, and design consultant of videodisc. Consulted on content and design of accompanying user index, teacher's and student manuals. Originally published under a grant provided by the U.S. Department of Education and by Optilearn, Inc. Stevens Point, WI. 54481
- 1984 Exercises in Physical Geography Laboratory Manual. Department of Geography, Indiana University, Bloomington, Indiana, 65 p.

Professional Presentations (with published abstracts)

- 2000 "Integrating Field Trips and Classroom Learning into a Capstone Undergraduate Research Experience", Geological Society of America, Reno, NV (Neil Heywood, Presenter)
- 1999 "Using the Internet to Address Good Practice in Undergraduate Geography Education." Presenter and co-author with K. Lemke, National Meeting of the Association of American Geographers in Honolulu, Hawaii.
- 1997 "Virtual Field Trips for Learning Physical Geography", paper presentation, National Meeting of the Association of American Geographers, Ft. Worth, Texas
- 1995 "Experiences with Multimedia Lectures for Teaching Physical Geography" paper presentation, National Meeting of the Association of American Geographers, Chicago, Illinois
- 1994 "Using the Internet to Learn Geography" paper presentation, National Meeting of the National Council for Geographic Education, Louisville, Kentucky
- 1991 "Using Laser Videodisc to Teach College Geography" paper presentation, National Meeting of the Association of American Geographers, Miami, Florida.
- 1990 "Wet Acid Deposition at Two Mountain Sites in the Colorado Front Range" paper presentation, National Meeting of the Association of American Geographers, Toronto, Canada.
- 1989 "Summer Surface Wind Patterns at Three Alpine Sites: Front Range, Colorado, USA" poster presentation, National Meeting of the Association of American Geographers, Baltimore, Maryland.
- 1987 "Empirical Equations for the Components of Snow Surface Net Radiation Within a Rugged Alpine Setting, Front Range, Colorado, U.S.A.", paper presentation, National Meeting of the Association of American Geographers, Portland, Oregon.
- 1986 "Simulation of Hill Slope Soil Development in Semi-Arid Environments", paper presentation, National Meeting of the Association of American Geographers, Minneapolis, Minnesota.

- 1985 "Evaluation of Atmospheric Longwave Emittance Models in the Alpine Tundra, Niwot Ridge, Colorado", paper presentation, National Meeting of the Association of American Geographers, Detroit, Michigan.
- 1984 "Evaluation of Longwave Atmospheric Emissivity Models For All Sky Conditions in an Alpine Tundra Setting", paper presentation, National Meeting of the Association of American Geographers, Washington, D.C.

#### Other Presentations

- 2002 "Student Self-Assessment over the Web", GeoWeb Workshop, UW-SP
- 2001 "Student Self-Assessment with the Internet, Ways to Appraise Student Learning in Web-Rich Courses". UWSP Faculty Technology
- 2000 "Using the Internet to Address Good Practice in Undergraduate Geography Education." – Department Presentation
- 1999 "How will laptops affect your Teaching" – UWSP Teaching Summit, January 1999
- 1996 "Technology in the Geography Classroom", University of Wisconsin -Stevens Point Board of Visitors meeting
- "Using Technology in the Geography Classroom" University of Wisconsin - Stevens Point Technology Workshop
- "Using Multimedia in the Classroom" University of Wisconsin - Stevens Point Information Technology Seminar Series
- Internet Resources for High School Science, University of Wisconsin - Stevens Point Minds on Science Workshop
- 1994 Internet Resources for High School Science, University of Wisconsin - Stevens Point Minds on Science Workshop
- 1991 "The Global Greenhouse Effect and Its Potential Effect on Ecosystems.", University of Wisconsin - Stevens Point Society of Xi Sigma Pi, Stevens Point, WI.
- 1989 "Weather, Climate, and Global Climate Change", UW-Extension, Wisconsin Rapids, WI.
- 1989 "Geoecology of the Colorado Front Range", Northern Illinois University Graduate School Colloquium, Dekalb, Ill.
- 1989 "Acid Deposition in the Colorado Front Range", Summer Science Academy, University of Colorado, Mountain Research Station, Boulder, Colorado.
- 1988 "Ecology and Climate of the Front Range", Summer Science Academy, University of Colorado, Mountain Research Station, Boulder, Colorado.
- 1987 "Geoecology of the Front Range: Recent Developments and Trends", University of Wisconsin - Stevens Point Geography Club/Gamma Theta Upsilon Colloquium, Stevens Point, WI.

## Grants and Awards

- 2007 "Wisconsin Image Server - Google Maps Mashup" UWSP Letters and Science Undergraduate Education Initiative. \$296.00
- 2006 "Implementing Podcasts and Blogs in an Introductory Physical Geography Course. UWSP Intercampus Communities of Practice (\$1500 award)
- 2004 "Geography 211 Wisconsin Online Course". Curriculum Redesign UWSP \$3,000
- 2002 " Integrating Streaming Video into Introductory Physical Geography Courses", IT Minigrant \$330.00  
Fieldwork for "The Wisconsin Image Server" project, UWSP Foundation Grant \$915.00
- 2000 "Virtual Field Trips for Geoscience". Summer Technology Grant \$5,000.00
- 1999 Multimedia Learning Lab Improvement grant, UWSP COLS, \$63,000.00
- 1995 Upgrade for Geography/Geology Multimedia Learning Lab. University of Wisconsin Classroom Modernization Program \$89.892
- 1989 "Our Environment: A Videodisc Program for Improving Elementary Science Education", U. S. Department of Education, co-author and content coordinator, Dr. Thomas Detwyler Project Director. \$199,847.00
- 1989 "Interactive Videodisc Lessons in Weather Analysis for Introductory Physical Geography Classes", University of Wisconsin - Stevens Point University Personnel Development Time Reassignment Incentive Grant, \$2,500.00
- 1987 "A Climatological Transect on the East Slope of the Front Range, Colorado: An Update", University of Wisconsin - Stevens Point University Personnel Development Grant, \$200.00
- 1987 "Training in Quest Authoring System", University of Wisconsin - Stevens Point University Personnel Development Grant, co-author with J. Belz, T. Bloom, J. Curtis, S. Ginrasso, G. Gau, C. Milfred, L. Riggs, J. Seiler, W. Wresch, \$4,419.50
- 1986 "Relative Dating of Late Quaternary Deposits in Pawnee and Rainbow Cirques, Colorado Front Range, U.S.A.", University of Wisconsin - Stevens Point University Personnel Development Grant, \$1,000.00
- 1986 "The Effect of Daily Wind shifts on the Prediction of Longwave Atmospheric Irradiance in Rugged Terrain", University of Wisconsin - Stevens Point University Personnel Development Grant, \$2,897.00

## Editorial Activities

- 2000 Guest editor, With Karen Lemke, for an Arena Symposium on *Virtual Geographies and the Use of the Internet for Learning and Teaching Geography in Higher Education* for the Journal of Geography in Higher Education. The symposium includes six papers that were published in volume 24, number 1, 2000.

## Professional Reviews

Have reviewed manuscripts of introductory physical geography and meteorology textbooks and laboratory manuals for W.C. Brown, J. Wiley, McGraw-Hill, and West Publishing.

### Workshop Participation

- 2004 Curricular Redesign for Hybrid and Online Courses. UW-SP
- 2002 GeoWeb, UW-System sponsored workshop (Presenter)
- 2000 Ways to Appraise Student Learning in Web-Rich Course. UWSP Faculty Technology (Co-organizer and Presenter)
- 1998 Geography Virtual Department Workshop, University of Texas - Austin. Sponsored by the National Science Foundation. Invited participant and workshop presenter.
- 1997 Geography Virtual Department Workshop, University of Texas - Austin. Sponsored by the National Science Foundation. Invited participant and workshop presenter.
- 1996 Geography Virtual Department Workshop, University of Texas - Austin. Sponsored by the National Science Foundation. Invited participant.
- University of Wisconsin - Stevens Point Technology Workshop, University of Wisconsin - Stevens Point, Stevens Point, WI
- 1987 Quest-Videodisc Authoring Workshop. University of Wisconsin - Stevens Point, Stevens Point, WI.
- Quest Courseware Authoring System Workshop University of Wisconsin - Stevens Point, Stevens Point, WI.

### Consulting

- 2009 Rivers of the World. Series consultant. Crab Tree Publishing. 8 volumes. Forthcoming
- 2003 - 2009 Web & Media consultant for geoscience, Prentice Hall Publishing.

### Other Relevant Professional Activities

- 2009 Sabbatical – Project: The Physical Environment: an Introduction to Physical Geography online textbook.
- 2009 Wisconsin Image Server 2.0. Designer and Administrator. <http://wiscis.uwsp.edu>
- 2005 Discussant, "Distance Education and Geography", National Meeting of the Association of American Geographers, Denver, Colorado.
- 2003 Sabbatical – Project: The Wisconsin Image Server, an online database of Wisconsin imagery.
- 2001 Discussant, "Effectiveness of the Internet in Enhancing Learning Outcomes in Large Lecture Courses", National Meeting of the Association of American Geographers, New York, New York
- 1999 Session organizer - "Assessment and Evaluation of Online Teaching Materials" at the 95th Annual Meeting of the Association of American Geographers in Honolulu, Hawaii.
- 1997 Discussant for panel discussion session "Clusters of the Virtual Geography Department", National Meeting of the Association of American Geographers, Ft. Worth, Texas

- 1995 Co-Organized Special Paper Session "Innovation in Hypermedia and Multimedia: Implementation, Evaluation, and Dissemination", National Meeting of the Association of American Geographers, Chicago, Illinois.
- 1995 Discussant for panel discussion session, "Hypermedia Authoring", National Meeting of the Association of American Geographers, Chicago, Illinois.
- 1991 Organized and Chaired Special Paper Session "Using Laser Video Disc Technology to Teach College Geography", National Meeting of the Association of American Geographers, Miami, Florida.

**Service**

UWSP Committee Appointments & Special Responsibilities

*Geography Department*

Assessment Committee\*  
 Budget Committee\*  
 Brochure Committee\*  
 Curriculum Committee\*  
 Department Chair 1996 - 2001  
 Faculty Merit and Awards Committee\*  
 Geography 101 Coordinator  
 Library Representative  
 Multimedia Lab & A/V Lab Director  
 Personnel Committee\*  
 Recruitment Committee\* (ad hoc)  
 Student Internship Committee (ad hoc)  
 Student Affairs Committee\*  
 Web Master

*College of Letters and Science*

Letters and Science Dean's Advisory Committee  
 Letters and Science Computer Advisory Committee  
 Foundation Minigrant Review Committee  
 Summer Salary Subcommittee

*University*

Faculty Senate  
 Program Review Committee  
 Internet Working Group  
 University Technology Committee\*  
 Web Advisory Group

\* held chair position

Other Relevant Service to the University & Community

UWSP International Programs Semester Abroad to Great Britain Leader, Fall Semester 1995

University Open House participant: 1986 - 1996

Participant in College Days for Kids program

Participant in Saturday Enrichment for Kids program

Advisor to Geography Club/Gamma Theta Upsilon 1987-1991

Several volunteer weather and climate presentations to local elementary schools