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Formal Education

ReD (Doctorate in Outdoor Recreation and Resource Management - Cognate: Instructional Systems Technology), Department of Recreation and Park Administration, School of Health, Physical Education, and Recreation, Indiana University. (1993).

MS (Master of Science in Outdoor Education - Minor: Instructional Systems Technology), Department of Recreation and Park Administration, School of Health, Physical Education, and Recreation, Indiana University. (1990).

EdS (Education Specialist in Instructional Systems Technology - Cognate: Elementary Education), Department of Instructional Systems Technology, School of Education, Indiana University. (1989).

MS (Master of Science in Instructional Systems Technology - Minor: Elementary Education), Department of Instructional Systems Technology, School of Education, Indiana University. (1985).

BA (Bachelor of Arts in Psychology - Minor: Mathematics and Computer Science), Department of Psychology, College of Arts and Sciences, Indiana University. (1979).

Professional Experience

University of North Carolina Wilmington, Wilmington, NC

Rank

- Professor (tenured) of Environmental Studies (2006-present)
- Associate Professor (tenured) of Environmental Studies (2003-2006)
- Associate Professor (tenured) of Parks and Recreation Management (1998-2003)
- Assistant Professor of Parks and Recreation Management (1993-1998)

Administrative Positions

- Environmental Studies Graduate Program Coordinator (2005-present)
- Associate Dean of Technology and Infrastructure (2000-2005)
- Assistant Chair of Dept. of Health and Applied Human Sciences (1998-2000)
- Parks and Recreation Management Curriculum Coordinator (1997-2000)

As faculty, responsible for developing and teaching a variety of courses at undergraduate and graduate level, advising students, and coordinating the Graduate Program in Environmental Studies. Additional responsibilities within the department, school, and university consistent with academic as well as curriculum coordinator and assistant chair positions. Led program through NPRA/AALR reaccreditation. Serve on Graduate Faculty. As Associate Dean, responsible for technology-related issues within the College of Arts and Sciences and respective departments, as well as coordination with university administration. Also responsible for infrastructure-related issues, including

Project Sponsorship for major capital construction and renovation projects.

Indiana University, Bloomington, IN

Lecturer (1992-1993)

Associate Instructor (1991-1992)

Assistant Instructor (1990-1991)

Responsible for developing and teaching a variety of Outdoor Education and Outdoor Recreation courses at both graduate and undergraduate levels as well as advising students at both levels. Additional responsibilities within the department, school, and university consistent with academic position.

Indiana University, Bloomington, IN

Manager, IMU Outfitters (1989-1991)

Responsible for management, budgeting, training, and programming for an organization providing outdoor education, outdoor adventures, leadership training, outdoor equipment rental, and environmental organization networking.

Indiana University Audio-Visual Center

Director, Computer Graphics Project (1984-1989)

Responsible for analysis, design, development, implementation, and evaluation of computer graphic systems within the Audio-Visual Center, as well as networking with Indiana University systems.

Teaching

University of North Carolina Wilmington, Wilmington, NC

Department of Environmental Studies

- EVS 595 Seminar/Project in Environmental Studies
- EVS 592 Field Methods in Environmental Studies
- REC 591 Directed Individual Study
- EVS 525 Foundations of Environmental Education and Interpretation
- EVS 495 Seminar in Environmental Studies
- EVS 499 Honors Work in Environmental Studies
- EVS 485 Field Methods in Environmental Studies
- EVS 363 Environmental Education and Interpretation
- EVS 360 Natural Resources Recreation Management
- EVS 292 Natural Resource Management in Wales- Study Abroad
- EVS 292 Special Topics in Natural Resource Management in Wales - Study Abroad
- EVS 195 Introduction to Environmental Studies

Department of Health and Applied Human Sciences

- REC 498 Internship in Leisure Services
- REC 491 Directed Individual Study
- REC 465 Park Planning and Design
- REC 430 Advanced Leisure Service Management
- REC 360 Natural Resources Recreation Management
- REC 348 Field Experience in Recreation
- REC 292 Natural Resource Management in Wales - Study Abroad
- REC 292 Special Topics in Natural Resource Management in Wales - Study Abroad
- REC 266 Applications of Computers in Parks and Recreation Management
- REC 280 Experiential Techniques for Interpreting Outdoor Recreation Resources
- REC 270 Programming and Leadership

- REC 265 Introduction to Recreation and Parks
- REC 103 Cape Fear River: Issues and Experience

Indiana University, Bloomington, IN

Department of Recreation and Park Administration

- R543 Principles of Outdoor Environmental Education
- R515 Wilderness in the American Mind (R317)
- R515 Environmental Issues Studies through Film (R317)
- R515 Outdoor Recreation Consortium (R317)
- R372 Interpretive Resources and Techniques
- R317 Graduate Prerequisite in Recreation
- R271 Dynamics of Outdoor Recreation
- R266 Management of Park and Recreation Facilities

American Wilderness Leadership School, Jackson Hole, WY

- Outdoor environmental education
- Orienteering and primitive arts

Indiana and Texas Project WILD and Project Learning Tree facilitator certifications.

***Honors
and Awards***

Outstanding Faculty Member, University of North Carolina Wilmington, Dept. of Health, Physical Education, and Recreation (1995 and 1997).

Lebert H. Weir Award (1992)

The highest distinction in the Department of Recreation and Park Administration, Indiana University, awarded annually to the outstanding graduate student.

John H. Edwards Fellowship (1991-92).

The most prestigious fellowship awarded to an Indiana University graduate student based upon scholarship, service, and community contributions.

University Fellowship, Indiana University, School of Health, Physical Education, and Recreation (1990, 1991, 1992, 1993).

Jackson Preserve Grant, Safari Club International Conservation Fund (1989).

University Fellowship, Indiana University, School of Education (1985, 1986, and 1987).

***Current
Research***

Quantification of Annual Visitation on North Carolina Coastal Reserve Sites

Fox Predation on Barrier Islands

Constraints to Visitor Access in Coastal Natural Resource Settings

Assessment of Human Physical Impacts and Mitigation on Coastal Resources

Publications

Books and Book Chapters

Herstine, J., Hill, J., & Buerger, R. (2005). *Coastal recreation resource*

management. In P. Gaskill (Ed.) Introduction to Recreation and Leisure Services in North Carolina (5th ed). Dubuque, IA: Kendall/Hunt.

Bennett, J. P., Combs, C. S., Lewis, C. A., & Hill, J. (1997). *Teaching lifelong leisure activities*. Boston: American Press.

Peer reviewed articles and proceedings

Snider, A., Hill, J., Buerger, R., & Herstine, J. (2011). *Implications for place attachment in coastal reserve management*. Ocean and Coastal Management, 54(8), 612-620.

Snider, A., Luo, S., Hill, J., Buerger, R., Herstine, J., Sutton, H. (2010). *Factors affecting knowledge, perceptions, and attitudes regarding North Carolina Coastal Reserve management*. Coastal Management, 38(5), 540-558.

Whitehead, J. C., Phaneuf, D. J., Dumas, C. F., Herstine, J., Hill, J., & Buerger, B. (2010). *Convergent validity of revealed and stated recreation behavior with quality change: A comparison of multiple and single site demands*. Environmental and Resource Economics, 45(1), 91-112.

Buerger, R., Hill, J., Herstine, J. & Snider, A. (2008). *Public knowledge of the North Carolina Coastal Reserve*. Book of Abstracts: The Fourteenth International Symposium on Society and Resource Management. Burlington, VT: University of Vermont. (abstract).

Whitehead, J. C., Dumas, C. F., Herstine, J., Hill, J., & Buerger, B. (2008). *Valuing beach access and width with revealed and stated preference data*. Marine Resource Economics, 23(2), 119-135.

Hill, J., Herstine, J., Buerger, R., Dumas, C., & Whitehead, J. (2007). *Development of a methodology to predict public parking and access requirements sufficient to accommodate projected annual and peak visitation demand for a nourished beach* Book of Abstracts: The Thirteenth International Symposium on Society and Resource Management. (p. 203). Logan, UT: Utah State University. (abstract).

Herstine, J., Hill, J., & Buerger, R. (2006). *Managing human activity and tourism impacts: A case study of Zeke's Island Reserve, North Carolina*. Tourism in Marine Environments, 3(2), 163-172.

Hill, J., Herstine, J., Buerger, R., Webster, D., & Dumas, C. (2006). *Balancing beachfront vehicular access with endangered species protection: A case study at Fort Fisher State Recreation Area, North Carolina, USA*. In B. Beardmore, K. Englund, & W. Haider (Eds.) Book of Abstracts: The Twelfth International Symposium on Society and Resource Management. (p. 134). Vancouver, Canada: Simon Fraser University. (abstract).

Buerger, R., Hill, J., & Herstine, J. (2005). *Coastal tourism and public access: A case study of North Carolina beaches in the United States*. In A. Sena, O. Ferreira, P. Noronha, F. Gomes, T. Pinto, F. Correia, & L. das Neves (Eds.) The International Conference on Coastal Conservation and Management in the Atlantic and Mediterranean: Book of Abstracts. (pp. 223-225). (abstract).

- Hill, J., Herstine, J., Buerger, R., Tagliarini, G., & Isom, C. (2004). *Challenges in automated pattern recognition in coastal natural resource management*. In L. Cantoni, & C. McLoughlin (Eds.) Proceedings of ED-MEDIA 2004: World Conference on Educational Multimedia, Hypermedia and Telecommunications. (pp. 2000-2007). Charlottesville, VA: Association for the Advancement of Computing in Education.
- Hill, J., Herstine, J., Buerger, R., & Isom, C. (2004). *Understanding latent demand for coastal recreation in North Carolina*. In Book of Abstracts: The Tenth International Symposium on Society and Resource Management. (p. 79). Ft. Collins, CO: Colorado State University. (abstract).
- Isom, C., Herstine, J., Hill, J., & Buerger, R. (2004). *Utilizing focus groups to determine coastal community beach access needs in southeastern North Carolina*. In The Coastal Society 19th International Conference: Book of Abstracts. (pp. 259-262). Alexandria, VA: The Coastal Society. (abstract).
- Buerger, R., Hill, J., Herstine, & Isom, C. (2004). *Perceptual differences between residents and visitors toward public access at North Carolina's oceanfront beaches*. In P. Tierney, & D. Chavez (Eds.) Abstracts of the Fourth Social Aspects and Recreation Research Symposium. (p. 76). San Francisco, CA: San Francisco State University.
- Buerger, R., Hill, J., Herstine, J., Auger, D., & Taggart, J. (2003). *Re-emerging recreational use patterns on an undeveloped barrier island following the impact of hurricanes: A North Carolina case study*. Society and Natural Resources, 16(6), 527-539.
- Herstine, J., Hill, J., & Buerger, R. (2003). *Reaching students via the experiential classroom process*. In R. Poffe, S. Guthrie, J. Kafsky-DeGarmo, T. Stenger, & W. Taylor (Eds.) Proceedings of the 16th Annual International Conference on Outdoor Recreation and Education. (pp. 91-96). Bloomington, IL: Association of Outdoor Recreation and Education.
- Hill, J. (2002). *Finding flow in postsecondary teaching*. Schole, 17, 125-143.
- Herstine, J., Auger, D., Hill, J., & Buerger, R. (2002). *Equine impacts and the implications for resource managers*. In A. Ewert, A. Voight, D. McLean, B. Hronek, & G. Beilfuss, (Eds.) Book of Abstracts: The Ninth International Symposium on Society and Resource Management. (pp. 217-219). Bloomington, IN: Indiana University. (abstract).
- Herstine, J., Auger, D., Hill, J., & Buerger, R. (2001). *A passive approach to the management of camping behavior: The use of regulatory signage on the Zeke's Island component of the North Carolina Estuarine Research Reserve Program*. In S. Rebach (Ed.) 2001 North Carolina Coastal Plains Paddle Trails Research Conference Proceedings (pp. 88-96). Raleigh, NC: North Carolina Sea Grant.
- Buerger, R., Hill, J., Herstine, J., & Auger, D. (2001). *The changing human dimension of recreational use on Masonboro Island following a hurricane*. In S. Rebach (Ed.) 2001 North Carolina Coastal Plains Paddle Trails Research Conference Proceedings (pp. 97-100). Raleigh, NC: North Carolina Sea Grant

(also appears in Urban Harbors Institute (Eds.), Coastal Zone 99: Abstracts of Presentations).

- Buerger, R., Hill, J., Taggart, J., Herstine, J., & Auger, D. (2001). *The effect of regulatory signs on camping behavior in the coastal environment: A case study of the Zeke's Island National Estuarine Research Reserve*. In The Proceedings of the 12th Biennial Coastal Zone Conference (pp. 1-4). Charleston, SC: National Oceanic and Atmospheric Administration.
- Buerger, R., Hill, J., Taggart, J., & Herstine, J. (2000). *Changes in coastal recreational use patterns following hurricanes*. In R. Burdge, J. Miles, D. Alper, & L. Kruger (Eds.) Proceedings of the Eighth International Symposium on Society and Resource Management (p. 43). Portland, OR: USDA Forest Service.
- Buerger, R., Hill, J., Taggart, J., & Herstine, J. (2000). *The impact of recreation on barrier islands: A case study on Masonboro Island*. Coastal Management, 28(3), 249-259.
- Hill, J., & McLean, D. (1999). *Possible, probable, or preferable future?* Journal of Physical Education, Recreation & Dance, 70(9), 15-17.
- Hill, J., & McLean, D. (1999). *Defining our perspective of the future*. Journal of Physical Education, Recreation & Dance, 70(8), 21-22.
- Buerger, R., Hill, J., Taggart, J., & Herstine, J. (1999). *The impact of hurricanes on recreational use of barrier islands*. In Urban Harbors Institute (Eds.), Coastal Zone 99: Abstracts of Presentations (pp. 830-832). Boston: University of Massachusetts.
- Hill, J., Buerger, R., Kiefer, R., & Herstine, J. (1999). *Digital mentoring in virtual environments: A case study in coastal science education*. In D. A. Thomas (Ed.), Proceedings of M/SET 99: International Conference on Mathematics/Science Education and Technology (pp. 477-481). Charlottesville, VA: Association for the Advancement of Computing in Education.
- Hill, J., Kiefer, R., & Kieber, R. (1998). *Hurricanes and hypermedia: The use of satellite images in the study of rain*. In T. Ottman & I. Tomek (Eds.), Proceedings of ED-MEDIA 98: World Conference on Educational Multimedia and Hypermedia (pp. 1667-1668). Charlottesville, VA: Association for the Advancement of Computing in Education.
- Buerger, R., Hill, J., Taggart, J., & Herstine, J. (1998). *Human dimensions in barrier island management: Determining the role of natural physical processes in the mitigation of recreational impacts*. Proceedings of the Seventh International Symposium on Society and Resource Management (p. 205). Columbia, MO: University of Missouri - Columbia.
- Hill, J., & Kiefer, R. (1997). *A hypermedia-based study of rainfall characteristics of coastal storms and tropical systems in eastern North Carolina, 1996*. In Abstracts of Papers for the Golden Anniversary Meeting: Association of American Geographers Southeastern Division (p. 10). Birmingham, AL:

SEDAAG.

- Kiefer, R., & Hill, J. (1997). *Rainfall chemistry and storm type: Frontal systems and thunderstorms in the North Carolina coastal plain during 1996*. In Abstracts of Papers for the Golden Anniversary Meeting: Association of American Geographers Southeastern Division (p. 10). Birmingham, AL: SEDAAG.
- Buerger, R., Hill, J., Taggart, J., & Herstine, J. (1997). *Understanding recreational use on barrier islands: Impact, mitigation, and management*. In M. Miller (Ed.), Proceedings of Coastal Zone 97 (pp. 422-424). New York: American Society of Civil Engineers.
- Hill, J., Buerger, R., & Herstine, J. (1997). *Implications for virtual reality in natural resource recreation management curricula*. In T. Muldner & T. Reeves (Eds.), Proceedings of ED-MEDIA 97: World Conference on Educational Multimedia and Hypermedia (pp. 1234-1235). Charlottesville, VA: Association for the Advancement of Computing in Education (also appears in T. Ottman & I. Tomek (Eds.), Proceedings of ED-MEDIA 98: World Conference on Educational Multimedia and Hypermedia).
- Hill, J. (1996). *Considerations in the use of computer technology as an educational tool*. Schole, 11, 133-141. (invited)
- Hill, J., & Buerger, R. (1996, Winter). *Hypermedia as a bridge between education and profession*. Educational Technology Review, 5, 21-25.
- Hill, J., & Buerger, R. (1996). *Management of longitudinal coastal recreation impact data: Portable hypermedia as a solution*. In A. Graefe (Ed.), The Sixth International Symposium on Society and Resource Management: Social Behavior, Natural Resources, and the Environment. (p. 169). University Park, PA: Penn State University.
- Buerger, R., Hill, J., Herstine, J., & Taggart, J. (1995). *The impact from recreational use on the physical features of Masonboro Island, NC*. In B. Edge (Ed.), Proceedings of Coastal Zone 95 (pp. 235-236). New York: American Society of Civil Engineers.
- Hill, J., & Buerger, R. (1995). *Use of hypermedia in on-site coastal resource management: A case study on Masonboro Island, NC*. In B. Edge (Ed.), Proceedings of Coastal Zone 95 (pp. 3-4). New York: American Society of Civil Engineers.
- Hill, J., & Buerger, R. (1995). *Hypermedia as a bridge between education and profession*. In H. Maurer (Ed.), Proceedings of ED-MEDIA 95: World Conference on Educational Multimedia and Hypermedia (pp. 330-335). Charlottesville, VA: Association for the Advancement of Computing in Education.
- Hill, J., Buerger, R., Combs, S., & Lewis, C. (1994). *Using portable hypermedia to manage recreation resources: A case study on Masonboro Island*. Proceedings of the 1994 Conference on Multimedia in Education and Industry. (pp. 155-157). Charleston, SC: Association of Applied Interactive Multimedia.

Buerger, R., Taggart, J., Herstine, J., & Hill, J. (1994). *Understanding recreational impact in Masonboro Island*. In T. E. Bigford (Ed.), Proceedings of the Coastal Society's 14th International Conference (pp. 129-132). Charleston, SC.

Hill, J., Buerger, R., & Taggart, J. (1994). *The role of hypermedia in on-site data analysis: A case study on Masonboro Island*. In T. E. Bigford (Ed.), Proceedings of the Coastal Society's 14th International Conference (pp. 43-49). Charleston, SC.

McLean, D. D., & Hill, J. (1993). *Supporting internship preparation: A case study in computer-based support*. Schole, 8, 37-49.

Hill, J. (1993). *Contemporary issues in leisure services: A survey of the faculty*. Illuminare, 1(1), 14-18.

Hill, J. (1986). *Computer graphics: CG or not CG*. Performance and Instruction, 25(2), 45.

Non-peer reviewed articles and proceedings

Hill, J., Buerger, R., & Lewis, C. (2000). *National parks as natural resource-based leisure centers: A comparison of the American and British national park systems*. In Proceedings of the Leisure Studies Association 2000 International Conference (p. 40).

Buerger, R., & Hill, J. (1997). *Understanding recreational use on barrier islands*. Coastlines, 7(2), 5, 16.

Buerger, R., & Hill, J. (1996). *Application of new technology to undergraduate natural resource-based leisure education*. In Free Time and Quality of Life for the 21st Century: Proceedings of the World Leisure and Recreation Association Fourth World Congress (p. 11).

Hill, J., & Buerger, R. (1995). *Innovations in coastal management technology*. North Carolina Recreation and Park Review, 48(7), 8-9. (invited)

Hill, J. (1995). *The information superhighway*. Proceedings of the 1995 Computer Use Institute for Parks and Recreation. Oglebay Park, WV: National Recreation and Park Association.

Hill, J. (1995). *Applications of multimedia*. Proceedings of the 1995 Computer Use Institute for Parks and Recreation. Oglebay Park, WV: National Recreation and Park Association.

Hill, J. (1995). *The new Power Macintosh*. Proceedings of the 1995 Computer Use Institute for Parks and Recreation. Oglebay Park, WV: National Recreation and Park Association.

Computer graphics

Created computer graphics for over 20 videos, films, and instructional programs, including *Explorers of the Nucleus*, a 1987 CINDY Silver award winner.

**Technical
Reports**

- Hill, J., Buerger, R., Herstine, J., & Snider, A. (2007). *North Carolina Coastal Reserve Program site survey summary report*. North Carolina Division of Coastal Management.
- Herstine, J. Hill, J., Buerger, R., & Isom, C. (2005). *Determination of recreation demand for federal shore protection study areas: Bogue Banks, Surf City and North Topsail Beach, Topsail Beach and Brunswick County Beaches, North Carolina* [4 Volumes]. U.S. Army Corps of Engineers.
- Herstine, J., Hill, J., Buerger, R., Webster, D., & Dumas, C. (2005). *Assessment of ocean beach vehicular use at Fort Fisher State Recreation Area, Kure Beach, North Carolina*. North Carolina Dept. of Environment and Natural Resources.

Presentations

International

- Snider, A., Buerger, R., Hill, J., & Herstine, J. (2009). *Place attachment and its implications for North Carolina coastal management*. Coastal and Estuarine Research Federation 20th Biennial Conference. November 1-5. Portland, OR.
- Buerger, R., Hill, J., Herstine, J. & Snider, A. (2008). *Public knowledge of the North Carolina Coastal Reserve*. Book of Abstracts: The Fourteenth International Symposium on Society and Resource Management. June 10-14. Burlington, VT.
- Whitehead, J., Phaneuf, D., Dumas, C., Herstine, J., Hill, J., & Buerger, B. (2007). *Estimating the value of beach nourishment with a comparison of multiple and single site recreation demand models*. American Agricultural Economic Association. Dec. 12. Portland, OR.
- Hill, J., Herstine, J., Buerger, R., Dumas, C., & Whitehead, J. (2007). *Development of a methodology to predict public parking and access requirements sufficient to accommodate projected annual and peak visitation demand for a nourished beach* The Thirteenth International Symposium on Society and Resource Management. June 17-21. Park City, UT.
- Hill, J., Herstine, J., Buerger, R., Webster, D., & Dumas, C. (2006). *Balancing beachfront vehicular access with endangered species protection: A case study at Fort Fisher State Recreation Area, North Carolina, USA*. The Twelfth International Symposium on Society and Resource Management. June 3-8. Vancouver, Canada.
- Buerger, R., Hill, J., & Herstine, J. (2005). *Coastal tourism and public access: A case study of North Carolina beaches in the United States*. International Conference on Coastal Conservation and Management in the Atlantic and Mediterranean. April 17-20. Tavira, Portugal.
- Hill, J., Herstine, J., Buerger, R., Tagliarini, G., & Isom, C. (2004). *Challenges in automated pattern recognition in coastal natural resource management*. ED-MEDIA 2004: World Conference on Educational Multimedia, Hypermedia and Telecommunications. June 21-26. Lugano, Switzerland.
- Hill, J., Herstine, J., Buerger, R., & Isom, C. (2004). *Understanding latent demand*

for coastal recreation in North Carolina. The Tenth International Symposium on Society and Resource Management. June 2-6. Keystone, CO.

Herstine, J., Hill, J., & Buerger, R. (2004). *Assessing and comparing the natural processes mitigating tourism and environmental impacts on a coastal barrier island and a coastal estuarine island.* The Fifth International Conference on Coastal Environment. April 26-28. Alicante, Spain.

Buerger, R., Hill, J., Herstine, J., & Isom, C. (2004). *Perceptual differences between residents and visitors toward public access at North Carolina's oceanfront beaches.* The Fourth Social Aspects and Recreation Research Symposium. February 4-6. San Francisco, CA.

Herstine, J., Hill, J., & Buerger, R. (2002). *Reaching students via the experiential classroom process.* The 16th Annual International Conference on Outdoor Recreation and Education. October 26-28. Charleston, SC.

Herstine, J., Auger, D., Hill, J., & Buerger, R. (2002). *Equine impacts and the implications for resource managers.* The Ninth International Symposium on Society and Resource Management. June 2-5. Bloomington, IN.

Buerger, R., Hill, J., Taggart, J., Herstine, J., & Auger, D. (2001). *The effect of regulatory signs on camping behavior in the coastal environment: A case study of the Zeke's Island National Estuarine Research Reserve.* Coastal Zone 01. July 15-19. Cleveland, OH.

Hill, J., Buerger, R., & Lewis, C. (2000). *National parks as natural resource-based leisure centers: A comparison of the American and British national park systems.* Leisure Studies Association 2000 International Conference. July 11-12. Glasgow, Scotland.

Buerger, R., Hill, J., Taggart, J., & Herstine, J. (2000). *Changes in coastal recreational use patterns following hurricanes.* The Eighth International Symposium on Society and Resource Management. June 17-22. Bellingham, WA.

Buerger, R., Hill, J., Taggart, J., & Herstine, J. (1999). *The impact of hurricanes on recreational use of barrier islands.* Coastal Zone 99. July 27-29. Boston, MA.

Hill, J., Buerger, R., Kiefer, R., & Herstine, J. (1999). *Digital mentoring in virtual environments: A case study in coastal science education.* M/SET 99: International Conference on Mathematics/Science Education and Technology. March 1-4. San Antonio, TX.

Hill, J., Kiefer, R., & Kieber, R. (1998). *Hurricanes and hypermedia: The use of satellite images in the study of rain.* ED-MEDIA 98: World Conference on Educational Multimedia and Hypermedia. June 20-25. Freiburg, Germany.

Hill, J., Buerger, R., & Herstine, J. (1998). *Implications for virtual reality in natural resource recreation management curricula.* ED-MEDIA 98: World Conference on Educational Multimedia and Hypermedia. June 20-25. Freiburg, Germany.

- Buerger, R., Hill, J., Taggart, J., & Herstine, J. (1998). *Human dimensions in barrier island management: Determining the Role of natural physical processes in the mitigation of recreational impacts*. The Seventh International Symposium on Society and Resource Management. May 27-31. Columbia, MO.
- Buerger, R., Hill, J., Taggart, J., & Herstine, J. (1997). *Understanding recreational use on barrier islands: Impact, mitigation, and management*. Coastal Zone 97. July 20-26. Boston, MA.
- Buerger, R., & Hill, J. (1996). *Application of new technology to undergraduate natural resource-based leisure education*. World Leisure and Recreation Association Fourth World Congress. July 15-19. Cardiff, Wales, UK.
- Hill, J., & Buerger, R. (1996). *Management of longitudinal coastal recreation impact data: Portable hypermedia as a solution*. The Sixth International Symposium on Society and Resource Management. May 18-23. University Park, PA.
- Hill, J., & Buerger, R. (1995). *Use of hypermedia in on-site coastal resource management: A case study on Masonboro Island, NC*. Coastal Zone 95. July 17-22. Tampa, FL.
- Buerger, R., Hill, J., Herstine, J., & Taggart, J. (1995). *The impact from recreational use on the physical features of Masonboro Island, NC*. Coastal Zone 95. July 17-22. Tampa, FL.
- Hill, J., & Buerger, R. (1995). *Hypermedia as a bridge between education and profession*. ED-MEDIA 95: World Conference on Educational Multimedia and Hypermedia. June 18-21. Graz, Austria.
- Buerger, R., Taggart, J., Herstine, J., & Hill, J. (1994). *Barrier island management: A survey of recreational impact on Masonboro Island*. The Fifth International Symposium on Society and Resource Management. June 7-10. Ft. Collins, CO.
- Buerger, R., Taggart, J., Herstine, J., & Hill, J. (1994). *Understanding recreational Impact in Masonboro Island*. The Coastal Society's 14th International Conference. April 17-20, 1994. Charleston, SC.
- Hill, J., Buerger, R., & Taggart, J. (1994). *The role of hypermedia in on-site data analysis: A case study on Masonboro Island*. The Coastal Society's 14th International Conference. April 17-20, 1994. Charleston, SC. (poster session).

National

- Buerger, R., Hill, J., Taggart, J., Herstine, J., & Auger, D. (2001). *The changing human dimension of recreational use on Masonboro Island following a hurricane*. Coastal Plain Waters 2001. March 20-April 1. Washington, North Carolina.
- Herstine, J., Auger, D., Hill, J., & Buerger, R. (2001). *A passive approach to the management of camping behavior: the use of regulatory signage on the Zeke's Island component of the North Carolina Estuarine Research Reserve program*.

Coastal Plain Waters 2001. March 20-April 1. Washington, North Carolina.

- Hill, J. (1997). *Technology and multimedia resources*. The American School Health Association Fourth Annual Summer Institute. July 31-August 2. Wilmington, NC (invited).
- Payne, S., Gaede, D., & Hill, J. (1995). *Parks, recreation and the information superhighway*. National Recreation and Parks Association Congress. October 5-9. San Antonio, TX (invited).
- Hill, J. (1995). *The information superhighway*. National Recreation and Park Association: Computer Use Institute for Parks and Recreation. February 28-March 3. Oglebay Park, WV.
- Hill, J. (1995). *Applications of multimedia*. National Recreation and Park Association: Computer Use Institute for Parks and Recreation. February 28-March 3. Oglebay Park, WV.
- Hill, J. (1995). *The new Power Macintosh*. National Recreation and Park Association: Computer Use Institute for Parks and Recreation. February 28-March 3. Oglebay Park, WV.
- Buerger, R., & Hill, J. (1994). *Assessing visitor impacts on Masonboro Island*. National Estuarine Research Reserve Conference. October 15-21. Wilmington, NC.
- Buerger, R., & Hill, J. (1994). *An interactive computer model for managing coastal resources*. Innovations in Coastal Management. National Coastal Management Conference. September 7-9. Wilmington, NC (poster session).
- Hill, J., Buerger, R., Combs, S., & Lewis, C. (1994). *Using portable hypermedia technology to manage recreation resources: A case study on Masonboro Island*. 1994 Conference on Multimedia in Education and Industry. Association of Applied Interactive Multimedia. July 18-23. Charleston, SC.
- Hill, J., Buerger, R., Combs, S., & Lewis, C. (1994). *New for '94: Peer demonstration of Masonboro Hypermedia Project*. 1994 Association for Applied Interactive Multimedia Conference. July 18-23. Charleston, SC (poster session).
- Hill, J. (1991). *Computers in outdoor environmental education*. Watchable Wildlife Conference, United States Forest Service. February. Bloomington, IN.

Regional

- Hill, J., Buerger, B., & Herstine, J. (2006). *Managing visitor use impacts on North Carolina barrier islands*. Managing Visitor Use in Coastal and Marine Protected Areas. National Oceanic and Atmospheric Administration and the North Carolina National Estuarine Research Reserve. May 9. Beaufort, NC. (invited).
- Phaneuf, D., Whitehead, J., Dumas, C., Herstine, J., Hill, J., & Buerger, R. (2005). *A Kuhn-Tucker Model of Beach Recreation*. Southern Economic Association 75th

Annual Meeting. November 18-20. Washington, DC.

- Hill, J., Buerger, B., & Herstine, J. (2002). *Managing visitor use impacts on North Carolina barrier islands*. Coastal Decision-Maker Workshop: Managing Visitor Use in Coastal and Marine Protected Areas. National Oceanic and Atmospheric Administration. November 20. Wilmington, NC. (invited).
- Herstine, J., Auger, D., Hill, J., & Buerger, R. (2002). *Understanding and managing equine impacts on coastal zone natural resources*. The 2002 Southeastern Recreation Research Conference. February 21-23. Athens, GA.
- Buerger, R., Taggart, J., Herstine, J., & Hill, J. (1999). *Re-emergence of coastal recreation use following hurricanes*. The 1999 Southeastern Recreation Research Conference. February 3-5. Gatlinburg, TN.
- Buerger, R., Hill, J., Herstine, J., & Taggart, J. (1998). *Managing recreation impacts in the coastal zone*. The 1998 Southeastern Recreation Research Conference. February 5-6. Charleston, SC.
- Hill, J., & Kiefer, R. (1997). *A hypermedia-based study of rainfall characteristics of coastal storms and tropical systems in eastern North Carolina, 1996*. Southeastern Division of the Association of American Geographers. November 23-25. Birmingham, AL.
- Kiefer, R., & Hill, J. (1997). *Rainfall chemistry and storm type: Frontal systems and thunderstorms in the North Carolina coastal plain during 1996*. Southeastern Division of the Association of American Geographers. November 23-25. Birmingham, AL.
- Hill, J. (1996). *Educational uses of hypermedia*. Coastal Partnerships in Education and Research, National Estuarine Research Reserve and Sea Grant. June 25, 1996. Beaufort, NC.
- Hill, J., & Buerger, R. (1995). *Hypermedia as a coastal natural resource management tool*. Southeast Recreation Research Conference. February 15-17. Chattanooga, TN.
- Hill, J., & Buerger, R. (1994). *A model to assess human impacts on beaches*. Sea Grant Marine Advisory Service. July 25-26. Wilmington, NC.
- Buerger, R., Taggart, J., Herstine, J., & Hill, J. (1994). *The impact of camping on the physical features of Masonboro Island*. The 1994 Southeastern Recreation Research Conference. February 9-11. Helen, GA.
- Hill, J. (1993). *Tear down your interpretive markers: Learning theory for interpreters*. Region Four Interpreter's Workshop, National Association for Interpretation. April. Cassopolis, MI.
- Hill, J. (1993). *Preparing a slide show for your camp*. Mid States Conference, American Camping Association. April. Chicago, IL.

State

Hill, J. (1998). *PowerPoint: presentation software*. School Health Association of North Carolina Annual Conference. March 13. Chapel Hill, NC (invited).

Hill, J. (1996). *The Internet: Park and recreation administration in the next century*. Florida Directors Seminar. April 17. Tallahassee, FL (invited).

Hill, J. (1990). *Fundamentals of orienteering*. T. C. Steele Memorial, Indiana State Museum. April. Belmont, IN (invited).

Local

Hill, J. & Buerger, R. (1996). *Hypermedia applications for coastal resource management*. Conversations in Research. March 22. University of North Carolina Wilmington (invited).

Grant Activity

Movement, habitat selection, and baseline condition of deer on Bald Head Island, North Carolina (2007). The Village of Bald Head Island (\$54,268 - with Snider, A., DePerno, C., Dorsey, S., Buerger, R., & Taggart, J.).

Introduction to environmental field methods: Developing a directed active learning course for environmental studies (2007). University of North Carolina Wilmington, Center for Teaching Excellence (\$3000 - with Rotenberg, J.).

North Carolina Coastal Reserve program initiatives (2006). North Carolina Dept. of Environment and Natural Resources/Division of Coastal Management (\$26,300 - with Buerger, R., & Herstine, J.)

Professional master's degree program in Environmental Studies (2006). Sloan Foundation (\$29,500- with Roer, R.)

Integrating advanced computer mapping technology into environmental studies teaching and research (2006). University of North Carolina Wilmington, Information Systems Technology Division (\$5998 - with Rotenberg, J., & Buerger, R.).

Managing visitor and feral horse impacts on the North Carolina National Estuarine Research Reserve (2005). North Carolina Division of Coastal Management (\$5,305 - with Buerger, R., & Herstine, J.).

Investigating the development of an adaptive visual pattern recognition system for application in the environmental sciences (2005). University of North Carolina Wilmington, Information Systems Technology Division (\$5000 - with Tagliarini, G., Herstine, J, Narayan, S., Blum, J., & Buerger, R.)

Ocean beach vehicular access study at Ft. Fisher State Recreation Area (2004). North Carolina Dept. of Environment and Natural Resources (\$25,000 - with Buerger, R., Herstine, J., Webster, D., & Dumas, C.)

Determination of recreation demand for federal shore protection study areas: Bogue Banks, Surf City and North Topsail Beach, Topsail Beach and Brunswick

County Beaches, North Carolina (2003). U.S. Army Corps of Engineers (\$358,840 - with Buerger, R., & Herstine, J.).

Managing visitor and feral horse impacts on the North Carolina National Estuarine Research Reserve (2003). National Oceanic and Atmospheric Administration/North Carolina Division of Coastal Management (\$8,000 - with Buerger, R., & Herstine, J.).

The North Carolina National Estuarine Research Reserve: Understanding visitors, resource impacts, and their implications (2002). National Oceanic and Atmospheric Administration/North Carolina Division of Coastal Management (\$8,000 - with Buerger, R., & Herstine, J.).

Managing the human dimension on the North Carolina National Estuarine Research Reserve (2001) National Oceanic and Atmospheric Administration/North Carolina National Estuarine Research Reserve (\$10,969 - with Buerger, R., Herstine, J., & Auger, D.).

Improving managers' understanding of the impacts of hurricanes on barrier islands through the application of on-line technology (2001). North Carolina Sea Grant (\$5000 – with Buerger, R.).

Diverse physical impacts to the natural resources of the North Carolina National Estuarine Research Reserve: Understanding management implications (2000). National Oceanic and Atmospheric Administration/North Carolina National Estuarine Research Reserve (\$8265 – with Buerger, R.).

Carrying capacity implications on Masonboro Island and Rachel Carson National Estuarine Research Reserves (1999). National Oceanic and Atmospheric Administration/North Carolina National Estuarine Research Reserve Program. (\$6175 - with Buerger, R.).

Implications of longitudinal physical impacts on Masonboro Island and Rachel Carson National Estuarine Research Reserves (1998). National Oceanic and Atmospheric Administration/North Carolina National Estuarine Research Reserve Program. (\$8505 - with Buerger, R.).

Human impacts on the physical features on Masonboro Island (1998). Center for Marine Science Research. (\$4244 - with Buerger, R.).

Human dimensions of barrier island management on Masonboro Island and Rachel Carson National Estuarine Research Reserves (1997). National Oceanic and Atmospheric Administration/North Carolina National Estuarine Research Reserve Program. (\$8000 - with Buerger, R.).

The impact of hurricanes on recreational use of barrier islands (1997). North Carolina Sea Grant. (\$4989 - with Buerger, R.).

Virtual environments as a coastal resource management tool (1996). North Carolina Sea Grant. (\$4545 - with Buerger, R.).

Understanding recreational use on Masonboro Island: A summary investigation (1996). National Oceanic and Atmospheric Administration/North Carolina National Estuarine Research Reserve Program. (\$5128 - with Buerger, R.).

A longitudinal study of recreational use on Masonboro Island (1995). National Oceanic and Atmospheric Administration /North Carolina National Estuarine Research Reserve Program. (\$4500 - with Buerger, R.).

Development of an interactive computer model for coastal management (1994). North Carolina Sea Grant. (\$5000 - with Buerger, R.).

An assessment of recreational use on Masonboro Island (1994). National Oceanic and Atmospheric Administration/North Carolina National Estuarine Research Reserve Program. (\$5266 - with Buerger, R.).

Editing

Associate Editor, LARNet: The Cyber Journal of Applied Leisure and Recreation Research (2010, ongoing).

Associate Editorial Reviewer, LARNet: The Cyber Journal of Applied Leisure and Recreation Research (1999-2010).

Co-editor, Leisure Today: Journal of Physical Education, Recreation and Dance, Special Issue on Technology (1999).

Associate Editor, Schole, Society of Park and Recreation Educators, National Recreation and Park Association (1994 - 1997).

Editor, *Outdoor Education: Skills and Techniques for Teaching*, Thomas J. Rillo, author for the American Wilderness Leadership School (1993) .

Associate Editor, *Illuminare: A Student Journal in Recreation, Parks, and Leisure Studies* (1992-3).

Consultation

New Hanover County Parks Dept. (1996)

Analysis of New Hanover County parks users for ten year master plan.

U. S. Forest Service, Allegheny National Forest, Warren, PA (1994)

Development of an interpretive master plan for Heart's Content, an old growth forest, as well as on-site consultation for additional natural and cultural resources.

Waycross, Inc., Morgantown, IN (May-July, 1990)

Development of a master plan for a nature study curriculum and related facilities for a residential camp.

Dormant and Associates, Inc., Bloomington, IN (July-October, 1987)

Development and implementation of instructional design hardware and software.

Service

Professional Service

Trainer, *Methods of Teaching Environmental Education* for the Department of

Environment and Natural Resources' Office of Environmental Education Certification Program (2008, ongoing).

Host State Environmental Education Student Scholarship Committee, North American Association for Environmental Education (2010, ongoing).

Reviewer, *Ecological Understanding as a Guideline for the Evaluation of Nonformal Education* developed cooperatively by the US Forest Service, the Environmental Protection Agency, the University of Georgia, and the University of Michigan (2010).

External reviewer for National Fish and Wildlife Foundation grants program (2006).

External reviewer for RPT, Indiana University (2004, 2009).

World Wide Web Manager and Communications Committee member, Society of Park and Recreation Educators, National Recreation and Park Association (1994-2000).

Facilitator, *NC/SC Border Conference: A Planning Conference Designed to Apply Regional Resources to Issues and Opportunities in the Carolinas*, Myrtle Beach, SC (March 30-31, 1998).

Task Force on WWW and the Internet, Society of Park and Recreation Educators, National Recreation and Park Association (1998-9).

Instructor, Computer Use Institute, National Recreation and Park Association (1995-6).

Chair, Curriculum Committee, Computer Use Institute, National Recreation and Park Association (1995-6).

Software reviewer for *Aid for Designing Angler Surveys* (AFDAS). Cornell University. August 2, 1994.

IEEE Computer Graphics Working Group (1986-9).

University Service

University committees at University of North Carolina Wilmington

Marine Science Graduate Program Review Committee (2010, ongoing).

Campus Recreation Advisory Committee (2010, ongoing).

Faculty Hearings Panel (2007, ongoing).

Chair of Ev-Henwood Planning Committee (2005, ongoing).

Conservation Awareness Team (2003-2005).

Information Technology Coordinating Council (2002-2005).

ITSD Web Coordination Committee, Co-chair (2002-2005).
Master Plan Advisory Committee (2002-2005).
Campus Security Committee (2002-2005).
Facility Use Policy Committee (2003-2004).
Facilities Committee (2002-2005).
Swing Space Committee (2001-2003).
Information Technology Committee (1997-2005).
ITSD Committee on AV/Media Services (2000-2005).
ITSD Committee on Application Services (2000-2003).
Web Presence Committee (2001-2002).
Classroom Standards Committee (2001-2002).
Evaluation Committee (2001-2002).
Library Committee (2001-2002).
Campus Recreation Advisory Committee (2000-2001).
Facility Use Policy Committee (2000-2001).
University Union Advisory Board (2000-2001).
Artwork Conservancy Committee (1999-2001).
Campus Recreation Advisory Committee (1999-2001).
Buildings and Grounds Committee (1999-2001).
ITSD Document Management Assessment Committee (1999-2000).
ITSD Web for Profit Committee (1999-2000).
Fulbright Screening Committee (1999, 2004).
Co-Chair of Supporting Fields Committee, Master of Science in Marine Science Degree Steering Committee (1997-8).
Chancellor's Ad Hoc Committee on Recycling (1996-7).
Faculty Senate (1995-6).

Other university service at University of North Carolina Wilmington

Project Sponsor for Major University Capital Construction and Renovation Projects, Office of the Provost (2002-2005).

Search Committee, Associate Vice Chancellor for Business Affairs Chief Facilities Officer (2001).

Graduate Directed Individual Studies:

- Dept. of Environmental Studies (2008, 2009, 2010, 2011).

Masters theses:

- Outside Representative, Dept. of Creative Writing (2001).
- Outside Representative, Dept. of Earth Sciences (1998).
- Outside Representative, Dept. of Biological Sciences (1997).

Master of Arts in Teaching portfolio review committee:

- Member, Watson School of Education (2010).

Honors committees:

- Committee member, Dept. of Environmental Studies (2004, 2010, 2011).
- Committee member, Biology and Marine Biology (2010).
- Committee member, Geology and Geography (2008, 2009).
- Committee member, Watson School of Education (2007).

Multimedia instructor, Center for Teaching Excellence (1995).

College and Departmental Service

College of Arts and Sciences service at University of North Carolina Wilmington

International Degree Program Committee (2007-9).

Associate Dean of Technology and Infrastructure (2000-2005).

Faculty Associate for Technology (1999-2000).

Departmental service at University of North Carolina Wilmington

Graduate Program Coordinator (2005, ongoing)

Chair, Teaching Peer Review Committee (1999-2000).

Chair, Teaching Observation Committee (1998-1999).

Departmental Computer Liaison (1995-1999).

Chair (1993-1998) and member (1998-1999) of Computer Committee.

Peer Review Committee (1995).

Healthy Earth Lecture Series Committee (1994-1997).

Honors Curriculum Committee (1994-1995).

Publicity Committee (1994-1995).

Promotion and Public Relations Committee (1993-1995).

Other departmental service at University of North Carolina Wilmington

Assistant Chair (1998-2000).

World Wide Web Manager (1995-2000).

Community Service

Laney High School Graduation Project Review Board Judge (2010-11)

Junior Achievement, K-12 Instructor (2003, 2005).

YMCA Youth T-Ball and Soccer Coach (1998-2001).

Consultant, New Hanover County Parks Dept. Analysis of New Hanover County parks users for ten year master plan (1996).

Facilitator, Fit for Fun, Wilmington Division of Parks and Recreation, Wilmington, NC (1996).

***Professional
Development***

The vital faculty: Issues after tenure. Council on Undergraduate Research, February 18-20, 2000. Williamsburg, VA.

NRPA/AALR accreditation visitor training. National Recreation and Park Association, October 30, 1997. Salt Lake City, UT.

Writing proposals to specific agencies. The University of North Carolina at Charlotte. March 25, 1994. Charlotte, NC.

Computer Use Institute. National Recreation and Park Association. February 27-March 4, 1994. Oglebay, WV.

References

Available upon request