

Annie R. Pearce

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Education

Ph.D. Civil Engineering, Georgia Institute of Technology, August 1999

Research: "Sustainability and the Built Environment: A Metric and Process for
Prioritizing Improvement Opportunities"

M.S. Civil Engineering, Georgia Institute of Technology, June 1994

Research: "Conceptual Construction Estimating using Artificial Neural Networks"

B.S. Civil Engineering, Carnegie Mellon University, May 1992 (with CIT Honors)

Honors Research: "Video-based Vehicle Detection using Artificial Neural Networks"
1991 CEIP Fund Grant Winner: "Alternatives to Hand-Sorting of Recyclables"

Primary Research and Teaching Interests

Sustainable Facilities and Infrastructure

Metrics of Sustainability and Econometric Program Evaluation

Infrastructure and Structural Rehabilitation

Neural Network Applications in Civil Engineering and Arts

Decision Making, Planning, and Selection for Project Design and Management

Organizational Change and Diffusion of Innovation

Honors and Awards

2001 North American Delegate, International Young Professional Summit on Sustainability

1999/2002 Teaching Fellow, Civil Engineering, Georgia Tech

1998 Engineering Education Scholar, Univ. of Wisconsin, Madison

1997-99 Research Faculty Leader, Georgia Tech Research Institute

1997 Georgia Tech CEE Graduate Teaching Assistant of the Year

Georgia Tech Ira Hardin Civil Engineering Fellow

Georgia Tech Presidential Fellow

Chi Epsilon Civil Engineering Honor Society

Mortarboard National Honor Society

John S. Morrison Scholar, Carnegie Mellon University

MEMS Corporate Scholar, Materials Science, Carnegie Mellon University

A.R. Darlington Gillespie Scholar, Carnegie Mellon University

Professional Affiliations and Certifications

LEED™ Accredited Professional
Engineer-in-Training Certification, Commonwealth of Pennsylvania
American Society of Civil Engineers, Member
American Society for Testing and Materials, Member, Subcommittee E.50.3 (Green Building)
American Society of Heating, Refrigeration, and Air Conditioning Engineers, Member
American Institute of Architects, Allied Professional
American Planning Association, Federal Planning Division, Member
Urban Land Institute, Member

Research Experience

Senior Research Engineer - Georgia Tech Research Institute	07/02 – Present
Director of Research, Center for Sustainable Urban Revitalization	04/03 - Present
Branch Head, Sustainable Facilities & Infrastructure Branch	12/01 – Present
Research Engineer II - Georgia Tech Research Institute	07/97 – 06/02
Director, Sustainable Facilities & Infrastructure Program	07/97 – 12/01

- Developed research programs in the areas of:
 - > Metrics of sustainability for prioritization, decision making, and problem solving
 - > Sustainable Facilities and Infrastructure
 - > Sustainability Adoption and Diffusion of Innovation in Organizations
 - > Cost Modeling for Sustainable Capital Projects
 - > Artificial Neural Network applications for robust modeling of nonlinear systems, data analysis, construction cost, and risk management
- Participated in the creation of Brooks Energy and Sustainability Laboratory (BESL), Brooks Air Force Base, San Antonio, TX; led BESL research and development efforts in sustainability, including setting military agendas for development of sustainable installation efforts
- Partnered with major private consulting firms to pursue defense contracts related to built environment sustainability.
- Supervised and coordinated the work of graduate and undergraduate research assistants
- Developed multiple sustainable facilities databases and web resources, including:
 - > Over 4000 principles, heuristics, and specifications for sustainable building
 - > Over 80 definitions of the concept of sustainability
 - > Extensive collection of sustainability indicators for built facilities
 - > Survey and analysis of sustainable construction initiatives in the U.S.
- Authored and co-authored journal and conference publications and technical reports
- Reviewed papers submitted for publication in refereed journals
- Served on review panels for internal and external proposals
- Served as facilitator and subject matter expert for internal and external project charrettes
- Served as a faculty mentor for Georgia Tech's Leaders for a Sustainable Society Program
- Represented the Sustainable Facilities & Infrastructure Program via displays, booths, workshops, or presentations at multiple conferences, including:
 - 1998/99/2000/01/02/03 Greenprints Conference, Atlanta, GA
 - 1998 Science & Technology for a Sustainable Society Symposium, Atlanta, GA

1998 Excellence in Building Conference, Washington, DC
 1999 EnvironDesign3 Conference, Baltimore, MD
 1999 Federal Planning Division Conference, American Planning Association,
 Seattle, WA
 1999 HOK Sustainable Design Roundtable, Chicago, IL
 2000 American Institute of Architects National Conference, Philadelphia, PA
 Civil Engineering Research Foundation 2000 Conference, Washington, DC
 1999/2000/01/02 Joint Svcs Pollution Prevention Conference, San Antonio, TX
 2000 Georgia Recycling Coalition Annual Conference, Lake Lanier Islands, GA
 2000 Natural Step Conference, Atlanta, GA
 2000 South Carolina Department of Defense Pollution Prevention Conference,
 Charleston, SC
 2001 APA Environmentally Conscious Development seminar, Chicago, IL
 2001/2002 NDIA Environmental Conference
 2001 EnvironDesign5 Conference, Atlanta, GA
 Design & Construction 2000/2001, Philadelphia, PA
 2001 Spring Construction Specifications Institute Meeting, Atlanta, GA
 2002 Construction Owners Association of America Conference, Atlanta, GA
 2002 National Defense Industries Association Environmental Conference,
 Charleston, SC
 2002/03 Region IV DoD Pollution Prevention Conference, Atlanta, GA
 2002 Metropolis Greening Education Conference, New York, NY
 2002 Environmental Design Research Association Conference, Philadelphia, PA
 2002 Southern Gas Association Architects and Engineers Conference, San
 Antonio, TX
 2003 Southern Gas Association Marketing Executives Conference, San Antonio,
 TX
 2003 EnvironDesign7 Conference, Washington, DC

Graduate Research Assistant - Civil Engineering, Georgia Tech 9/92 - 6/97

- Conducted Ph.D. research in the area of developing metrics of sustainability for built facilities under the support of an NSF National Young Investigator Award to Dr. Jorge A. Vanegas
- Worked with an industry-academic research team, supported by the Construction Industry Institute, to assess cost-effective engineering and construction practices in capital project development
- Conducted literature reviews in sustainable development and construction, and collaborated in the development of a database of annotations for references in the sustainability literature
- Prepared research proposals and presentations
- Authored and co-authored conference publications and technical reports
- Reviewed papers submitted for publication in refereed journals
- Represented Center for Sustainable Technology at professional conferences, including:
 - 1994 Sustainable Construction Conference, Tampa, FL
 - 1995 NCSBCS Conference on Building Codes and Standards, Albuquerque, NM

1996 CERF Exhibition and Roundtable, Engineering and Construction for Sustainable Development, Washington, DC

1996 Sustainable Building Conference, Santa Barbara, CA

1996 Green Building Conference, Wilmington, NC

- Provided computer support for faculty, staff, and students in Macintosh/UNIX environments
- Made purchasing recommendations to support Center for Sustainable Technology and faculty/staff computing equipment purchases and resource center materials
- Collaborated in the development of graphics, multimedia and WWW presentations and brochures for GT Construction Engineering and Management Program and Center for Sustainable Technology

Robotics Research Assistant - Civil Engineering, Carnegie Mellon 9/91 - 7/92

- Documented robotic pavement crack filler research and development
- Prepared research reports and presentations
- Analyzed economic implications of commercialization of robotic crack filler
- Created and implemented mechanical testing protocol for the development of an automated system for high speed assessment of railroad ties
- Analyzed origin-destination data for congestion mitigation associated with infrastructure rehabilitation projects
- Maintained a database of research papers to support faculty publications

Teaching Experience

Teaching Fellow – Civil Engineering/CEM, Georgia Tech 08/02 – 05/03

- Developed curriculum and taught graduate independent study course, CEE 8802A: Sustainable Civil Infrastructure Systems, Fall/Spring Semester 2003

Training Consultant – Urban Genesis Institute 2/02 – Pres.

- Presented half-day and one-day training events on sustainability implementation, the LEED™ Green Building Rating System, and Sustainable Interiors to:
 - US Air Force Air Combat Command CE/CEV
 - US Air Force Center for Environmental Excellence CE Project Managers
 - US Air Force Center for Environmental Excellence Interior Design Staff

Guest Lecturer – Georgia Tech 7/97 – Pres.

- Presented lectures to graduate and undergraduate classes and seminars, including:
 - CEE 6120 – Environmentally Conscious Design & Construction
 - CEE 6420 – Urban Transportation Planning
 - CEE 6652 – Civil Infrastructure Systems
 - CEE 4100 – Construction
 - CEE 3100 – Civil Engineering Systems
 - ISyE 4803 – Sustainable Engineering Systems

Teaching Fellow – Civil Engineering/CEM, Georgia Tech 08/99 – 04/00

- Developed curriculum and taught graduate core course, CEE 6120A: Environmentally Conscious Design & Construction, Fall Semester 1999 (15 students)
- Coordinated a Sustainable Materials Exposition to introduce local building professionals to sustainable building practices via student displays and presentations

Instructor – Heery University, Heery International, Inc. 10/99; 3/00; 6/00

- Developed curriculum and co-taught 3 hour professional development course, “Sustainability: What it Is, What it Isn’t” (70 total students)

Instructor – Atlanta Chamber of Commerce Seminar Series 7/99

- Presented seminar, “Choosing Healthy Building Materials” (150 participants)

Course Administrator and Instructor - Georgia Tech Continuing Ed. 09/98 – Pres.

- Developed and delivered 19 contract offerings (to date) of one- and two-day condensed, interactive versions of the SFI continuing education series to military, federal, state, and commercial audiences, in conjunction with other SFI staff. (approximately 30-40 participants per class)
- Developed and delivered public offering of one-day course on Sustainability Strategy 101: An Organizational Perspective. (approximately 25 participants)
- Developed and delivered an eight hour training session on SFI at the 2000 Joint Services Pollution Prevention Conference in conjunction with Brooks Energy & Sustainability Laboratory and SFI staff. (50 participants)
- Developed and delivered a four hour training session on Sustainability Implementation in Organizations at the 2001 Joint Services Pollution Prevention Conference in conjunction with Brooks Energy & Sustainability Laboratory. (50 participants)
- Developed curriculum and administered a new continuing education certificate series for stakeholders from the Architecture/Engineering/Construction community entitled "Sustainable Facilities & Infrastructure". The seven-course series was launched in February 2000. Public offerings include:
 - SFI 100: Primer for Sustainable Facilities & Infrastructure (8 hours)
 - SFI 200: Assessment Tools & Techniques for Sustainable Facilities (16 hours)
 - SFI 300: The Economics of Sustainable Facilities & Infrastructure (16 hours)
 - SFI 410: Sustainable Design Practices (24 hours)
 - SFI 420: Sustainable Construction Practices (24 hours)
 - SFI 430: Sustainable Real Estate Development (24 hours)
 - SFI 440: Sustainable Facility Management, Operations, & Maintenance (24 hours)

Instructor - College of Architecture, Georgia Tech 09/97 – 12/99.

- Served as co-instructor and student project advisor for BC 4803: Laboratory for Sustainable Design, Winter Quarter 1999 (six students)
- Developed curriculum and taught undergraduate pilot course, BC 4953A: Green Buildings, Fall Quarter 1997 (six students)

Graduate Teaching Assistant - Civil Engineering, Georgia Tech 3/93 - 6/97

- Developed curriculum and co-taught graduate/undergraduate pilot course, CE 4803B: Sustainable Problem Solving Lab, Summer Quarter 1996 (fifteen students)
- Presented lectures to graduate and undergraduate classes and seminars, including:
 - CEE 4003 - Construction
 - CEE 4023 - Design and Construction of Building Systems
 - CEE 4043 - Basic Planning and Estimating Methods
 - CEE 6013 - CE Management I
 - CEE 8061 - Construction Seminar
- Developed criteria for evaluating student assignments, and conducted evaluations for graduate and undergraduate classes and seminars, including:
 - CEE 4003 - Construction
 - CEE 4023 - Design and Construction of Building Systems
 - CEE 4043 - Basic Planning and Estimating Methods
 - CEE 4083 - Advanced Planning and Estimating Methods
 - CEE 6513 - Probability in CE Design
 - CEE 8101 - Construction Research Seminar
- Conducted new student orientations and coordinated graduate critique/support groups

Graduate Teaching Assistant - Civil Engineering, Carnegie Mellon 5/92 - 8/92

- Taught project/laboratory section of neural networks summer course
- Coordinated research team of eight high school students
- Maintained Macintosh, DOS, and UNIX computing environments
- Worked in NeuralWorks simulation environment

Architecture Shop Monitor - Architecture, Carnegie Mellon 1/90 - 5/90

- Supervised undergraduates in the use of stationary power tools and other wood- and metalworking equipment
- Maintained shop facilities and repaired equipment
- Designed and constructed in wood

Industry Experience

Co-founder and Partner – Urban Genesis Institute 3/01 – Pres.

- Co-founded the Urban Genesis Institute, a for-profit company in Philadelphia dedicated to revitalizing urban areas using education and eco-smart technologies and methods.
- Co-developed business model for self-sustaining approach to urban revitalization.
- Coordinated design, development, and marketing of educational, analytical, and consulting offerings.
- Participated as sustainability service provider to the Construction Industry Cooperative, Austin, TX.

Technical Assistance Provider – Georgia Tech Research Institute 7/98 – Pres.

- Responded to inquiries and provided evaluation and analysis for Georgia companies and others in the area of facility sustainability and sustainable design/construction

- Developed and delivered short seminars on sustainability and the built environment for local architecture/engineering/construction firms
- Supervised design reviews and feasibility assessments for LEED™ Green Building Rating System projects

Project Management Intern - M.C. Arnoni Company, Pittsburgh, PA 5/91 - 4/92

- Designed leaf waste composting facility
- Created budget tracking system and software for \$17 million landfill construction project
- Performed construction cost estimates and placed orders for materials
- Conducted equipment productivity study and made recommendations for efficiency improvements
- Documented ongoing construction process in several media
- Created and implemented division-wide purchase order and inventory systems
- Conducted methane monitoring, soils, and fugitive emissions sampling
- Verified engineering calculations
- Assisted in preparing submittals to regulatory agencies

STAMPP Surveyor, Pennsylvania Department of Transportation 5/89 - 8/89

- Collected pavement distress data and evaluated level of pavement distress

Service Activities

National Council on Construction Education and Research (NCCER) – Subcommittee on Sustainable Construction – Participated in the development of a study and marketing campaign to promote sustainability in the construction industry.

Georgia Tech Homeland Defense Initiative – Group Leader/Facilitator, Facilities, Infrastructure, & Structures Group

North American Delegate, International Young Professionals' Summit on Sustainable Development, Brisbane, Australia – Hosted workshop on Sustainable Housing; participated in Housing & Infrastructure and Sustainability workgroups to generate a declaration and agenda for sustainable development.

Advisory Board Member, Sustainable Environmental Group, Atlanta, GA – served as sustainable construction expert on the advisory board of this non-profit organization dedicated to sustainable development in Latin America.

Advisory Board, Center for Sustainable Urban Revitalization, Georgia Tech Research Institute, Atlanta, GA – Supported the development of a business plan and concept for this new research center.

Faculty Mentor, Georgia Tech Construction Engineering & Management Society – Supported the improvement of CEM computing and resource laboratory. Conducted new graduate student orientations.

Initiative for Community Outreach, Research, & Education, Georgia Tech Research Institute, Atlanta, GA - Provided proposal and technical support for education and sustainability-related areas.

Faculty Mentor, Leaders for a Sustainable Society Program, Georgia Tech, Atlanta, GA – Provided professional and technical support for student initiatives in the area of campus and built facility sustainability.

Faculty Mentor, American Society for Civil Engineers Student Chapter, Georgia Tech, Atlanta, GA – Mentored individual students with interests in sustainable facilities and infrastructure.

Faculty Advisor, Lifelink for Children Student Branch, Georgia Tech, Atlanta, GA – Served as advisor and provided logistical support and advice for program development and activity planning, particularly with respect to sustainability-related orphanage facility projects.

Civil Infrastructure Research Think Tank, Georgia Tech, Atlanta, GA – Served as representative for applied research in sustainable facility and infrastructure systems.

Programming and Visioning Committee, Campus Lifelong Learning/Continuing Education Facility Development Program – Served as a representative of GTRI’s continuing education interest as well as an advocate for sustainable facility practices.

Panelist, Built Facilities Group, Fort Bragg Sustainability Long Range Planning charrette.

Reviewer, Journal of Transportation Engineering

Reviewer, Journal of Civil Infrastructure Systems

Reviewer, ASCE Construction Congress VI

Reviewer, National Science Foundation Division of Undergraduate Education and Division of Engineering, Civil & Mechanical Systems

Publications and Presentations

Books and Book Chapters

- Pearce, A.R. and Powell-Jones, R. (accepted for publication). "The Human Dimension of Sustainability," in Messenger, M. and Webster, R., eds. *Sustainability State of the Art: Who's Who and What They're Saying*. Publisher to be determined.
- Pearce, A.R. (accepted for publication). "Dimensions of Sustainability: A Primer," in Eady, D.S., ed., *Sustainability and the United States Army*, U.S. Army Environmental Policy Institute, Atlanta, GA.
- Pearce, A.R. and Vanegas, J.A. (accepted for publication). "Systems-Based Sustainability Assessment of the Built Environment," in Eady, D.S., ed., *Sustainability and the United States Army*, U.S. Army Environmental Policy Institute, Atlanta, GA.
- Augenbroe, G.L.M. and Pearce, A.R. (1998). "Sustainable Construction in the USA: A perspective to the year 2010," in Bourdeau, L., Huovila, P., Lanting, R., and Gilham, A., eds. *Sustainable Development and the Future of Construction: A comparison of visions from various countries*. CIB Publications, Rotterdam, The Netherlands.

Refereed Journal Papers

- Bosch, Sheila L. and Pearce, Annie R. (2003). "Sustainability in Public Facilities: Analysis of Guidance Documents," *Journal of Performance of Constructed Facilities*, Special Issue on Facilities Design and Management, 17(1), 9-18.
- Pearce, Annie R. and Vanegas, Jorge A. (2002). "A Parametric Review of the Built Environment Sustainability Literature," *International Journal of Environmental Technology and Management*, Special Issue on Sustainability and the Built Environment, 2(1), 54-93.
- Pearce, Annie R. and Vanegas, Jorge A. (2002). "Defining Sustainability for Built Environment Systems," *International Journal of Environmental Technology and Management*, Special Issue on Sustainability and the Built Environment, 2(1), 94-113.
- Pearce, Annie R., Gregory, Rita A., and Williams, Laura. (1999). "Range Estimating for Risk Management Using Artificial Neural Networks," *Journal of Parametric Estimating*, 14(1).
- Gregory, Rita A. and Pearce, Annie R. (1999). "Cost Effective Allocation of Research Funds for the Development of Emerging Technologies." *Journal of Professional Issues in Engineering and Education*, 125(3), 88-93.

Conference Papers - Refereed

- Pearce, Annie R., Gregory, Rita A., and Vanegas, Jorge A. (2000). "Resource Allocation and Problem Prioritization for Sustainable Facilities and Infrastructure." *Proceedings, Construction Congress VI*, February 20-22, Orlando, FL.

- Vanegas, Jorge A. and Pearce, Annie R. (2000). "Drivers for Change: An Organizational Perspective on Sustainable Construction." *Proceedings, Construction Congress VI*, February 20-22, Orlando, FL.
- Reeves, Jodi, et al. (Pearce is 5th author). (1999). "Change Agents: Immediately Implementable Teaching and Educational Hints from the Engineering Education Scholars Program," *Proceedings, 1999 Annual Conference of the American Society of Engineering Educators*.
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Conference Papers – Non-Refereed

- Pearce, Annie R. and Bosch, Sheila J. (2002). "Sustainable Facilities & Infrastructure Training: Approaches, Findings, and Lessons Learned," *Proceedings, Engineering Education and Sustainable Development Conference*, Delft, the Netherlands, October 24-26.
- Vanegas, Jorge A., Pearce, Annie R., and Bosch, Sheila J. (2002). " Built Environment Sustainability: An Integrated Approach to Education, Research, and Outreach," *Proceedings, Engineering Education and Sustainable Development Conference*, Delft, the Netherlands, October 24-26.
- Vanegas, Jorge A., Pearce, Annie R. and Bosch, Sheila J. (2002). " An Engineering Undergraduate/Graduate Course on Sustainable Design and Construction," *Proceedings, Engineering Education and Sustainable Development Conference*, Delft, the Netherlands, October 24-26.
- Pearce, Annie R. (2002). " Resource Allocation and Problem Prioritization for Sustainable Military Facilities, Infrastructure, and Installations," *Proceedings, National Defense Industries Association Conference*, Charleston, SC, March 25-28.
- Pearce, Annie R. and Mogge, John, Col. (2000). "Sustainable Facilities & Infrastructure Training for the Military: An Air Force Reserve Command Case Study," *Proceedings, Sixth Annual Joint Services Pollution Prevention Conference*, San Antonio, TX, August 22-24, 2000.
- Augenbroe, G.L.M. and Pearce, A.R. (2000). "Sustainable Construction in the USA: A perspective to the year 2010," *Proceedings of the International Conference on World Futures*. February 22-25, Sri Lanka, India.
- Pearce, Annie R. (1999). "Prioritizing Improvement Options for Built Environment Sustainability: The Sustainable Facilities & Infrastructure Program," *Proceedings, Federal Planning – Approaching the Millenium*. Fourth Annual Conference and Workshop of the Federal Planning Division , American Planning Association, Seattle, WA, April 21-23.
- Jones-Crabtree, Anna J., Pearce, Annie R., and Chen, Victoria C.P. (1998). "Implementing Sustainability Knowledge into the Built Environment: An Assessment of Current Approaches," 1998 IERC Conference Proceedings, Banff, BC, Canada, May 9-12.
- Vanegas, Jorge and Pearce, Annie. (1997). "Sustainable Design and Construction Strategies for the Built Environment," Proceedings of the 1997 Insurance Industry Conference, Massachusetts.
- DuBose, Jennifer R. and Pearce, Annie R. (1997). "The Natural Step as an Assessment Tool for the Built Environment," Proceedings of the 1997 CIB Conference on Green Building, Paris, France, June.
- Pearce, Annie R., DuBose, Jennifer R., and Vanegas, Jorge A. (1996). "Rehabilitation vs. Greenfield Construction Using Sustainability as a Decision Criterion," *Proceedings of the 1996 Green Building Conference*, Wilmington, NC, October 7 - 9.
- Pearce, Annie R., Hastak, Makarand, and Vanegas, Jorge A. (1995). "Sustainability as a Criterion for Construction Materials Selection," *Proceedings of the 1995 NCSBCS Conference on Building Codes and Standards*, Albuquerque, NM, November 1 - 4.
- Pearce, Annie R., and Hastak, Makarand. (1995). "Sustainability and Construction Materials," *Proceedings, 1995 Conference on Computing in Civil Engineering*, Berlin, Germany. June 12 -15.

- Vanegas, Jorge A., DuBose, Jennifer R., and Pearce, Annie R. (1995). "Sustainable Technologies for the Building Construction Industry," *Proceedings of the Symposium on Design for the Global Environment*, Atlanta, GA. November 2 - 3.
- Bullock, Darcy, Garrett, James, Hendrickson, Chris, and Pearce, Annie. (1992). "A Neural Network for Image-Based Vehicle Detection," *Proceedings of the International Conference on Artificial Intelligence Applications in Transportation Engineering*, Civil Engineering Research, Ventura, CA. June 2 -4.
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Invited Conference Presentations

- Pearce, Annie R. (2003). "Building Green: Designing Sustainable Buildings," Southern Gas Association Biennial Executive Management Conference, April 27-29, San Antonio, TX.
- Pearce, Annie R. (2002). "Building Green: Designing Sustainable Buildings," Southern Gas Association Biennial Engineering & Design Conference, October 4-6, San Antonio, TX.
- Pearce, Annie R. (2002). "Enhancing Education Through Sustainability: An Overview," Environmental Design Research Association Conference, May 25, Philadelphia, PA (session moderator).
- Pearce, Annie R. (2002). "Engineers Speak: What's Our Role in Being Green?," Metropolis Educating Green Conference, May 20, New York, NY.
- Pearce, Annie R. (2002). "Learning from the Designed Environment: A Georgia Tech Perspective," Metropolis Educating Green Conference, May 20, New York, NY.
- Pearce, Annie R. (2002). "Industry Sustainability Strategies: An Overview of Approaches," U.S. Army Industry Day, National Defense Industries Association Environmental Conference, Charleston, SC, March 15.
- Pearce, Annie R. (2001). "Sustainable Construction Opportunities for Colleges and Universities in the State of Georgia," 6th Annual University System of Georgia Facilities Officers Conference, October 15-17, Augusta, GA.
- Pearce, Annie R. (2001). "Sustainable Housing: Issues, Ethics, and Directions." International Young Professionals' Summit on Sustainable Development, Housing & Infrastructure Subgroup, Brisbane, Australia, October 3.
- Pearce, Annie R. (2001). "Systems-Based Sustainability Analysis of Building 170, Fort McPherson, GA," Joint Services Pollution Prevention and Hazardous Waste Management Conference, August 20-23, San Antonio, TX.
- Pearce, Annie R. (2001). "Sustainability Strategy 101," Joint Services Pollution Prevention and Hazardous Waste Management Conference, August 20-23, San Antonio, TX.
- Pearce, Annie R. (2001). "Green Building Materials: An Introduction," Construction Specifications Institute Quarterly Meeting, May 7, Atlanta, GA.
- Pearce, Annie R. (2000). "Military Opportunities for Sustainable Facilities & Infrastructure," South Carolina Department of Defense Pollution Prevention Conference, October 26, Charleston, SC.
- Pearce, Annie R. (2000). "Reimagining the Built Environment," 5th Annual Natural Step Conference, October 6, Atlanta, GA.
- Pearce, Annie R. (2000). "Environmental Considerations in Design and Construction," Presentation to the Educational Facilities Committee of the Governor's Education Reform Study Commission, September 26, Atlanta, GA.
- Pearce, Annie R. (2000). "Sustainable Facilities & Infrastructure: An Overview for Military Personnel," Georgia Recycling Coalition Annual Conference, August 30, Lake Lanier Island, GA.
- Pearce, Annie R. (2000). "Green Building Materials," Georgia Recycling Coalition Annual Conference, August 31, Lake Lanier Island, GA.

- Pearce, Annie R. (2000). "Sustainable Facilities & Infrastructure: An Overview," Materials Handling Symposium, The Logistics Institute, Georgia Tech. March 7, Atlanta, GA.
- Pearce, Annie R. (1999). "Selecting Healthy Building Materials," Sustainable Building Operations and Design, July 13, Atlanta, GA.
- Pearce, Annie R. and Vanegas, Jorge A. (1999). "Built Environment Sustainability: Indicators, Evaluation, and Decision Making," *Proceedings, Second Annual EDF Workshop on Excellence in Building*, October 28, Paris, France.
- Pearce, Annie R. (1999). "Sustainable Business Strategies," Manufacturing Excellence: Embracing Global Change, November 14-16, Atlanta, GA.
- Pearce, Annie R. (1999). "The Human Element: The Third Dimension of Sustainable Construction," Sustainability in the Southeast - Global Green USA's Sixth Annual Legacy Forum on Military Toxic Cleanup and the Environment, December 4, Atlanta, GA.
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Other Presentations

- Pearce, Annie R. (2003). "Sustainable Construction: Leapfrogging the First Cost Barrier," EnvironDesign7 Conference, April 30-May 2, Washington, DC.
- Pearce, Annie R. (2003). "Sustainable Construction: Leapfrogging the First Cost Barrier," US Green Building Council Atlanta Regional Chapter Roundtable, April 24, Atlanta, GA.
- Pearce, Annie R. (2003). "Finding the Needle in the Green Building Haystack," GreenPrints Conference, February 13-14, Atlanta, GA.
- Pearce, Annie R. (2002). "Sustainable Facilities & Infrastructure: Opportunities and Capabilities." US Air Force Center for Environmental Excellence Management Group, Atlanta, GA, September 11.
- Pearce, Annie R. (2002). "Sustainable Civil Infrastructure Systems: An Overview." CEE 6652: Civil Infrastructure Systems, School of Civil & Environmental Engineering, Georgia Institute of Technology, Atlanta, GA, September 11.
- Pearce, Annie R. (2002). "Sustainable Military Facilities & Infrastructure: Leapfrogging the First Cost Barrier." Department of Defense Joint Services Pollution Prevention and Hazardous Waste Management Conference, San Antonio, TX, August 20.
- Pearce, Annie R. (2002). "Sustainable Schools: Opportunities and Capabilities." Orlando County Public Schools Facilities Group, Orlando, FL, July 30.
- Pearce, Annie R. (2002). "An Online Knowledge Base for Sustainable Military Facilities & Infrastructure." Region IV Department of Defense Pollution Prevention Conference, Atlanta, GA, June 27.
- Pearce, Annie R. (2002). "Enhancing Education Through Sustainability." Metro Atlanta Regional Education Service Administration Facility Manager Meeting, Atlanta, GA, May 2.
- Pearce, Annie R. (2002). "Sustainability Likelihood of Success: A Framework for Classifying Sustainability Improvement Strategies," Charleston, SC, March 28.
- Pearce, Annie R. (2002). "Introduction to Green Building: An Overview of the LEED Green Building Rating System for Programmers." Jacobs Engineering, Atlanta, GA, March 14.

- Pearce, Annie R. (2002). "Beyond Compliance (or how to be a company hero and increase job security)." Managing Environmental Compliance Short Course, Georgia Tech, Atlanta, GA, March 7.
- Pearce, Annie R. (2002). "Sustainable Construction Options." Atlanta Metro Construction Owners Association of America Chapter Meeting, Atlanta, GA, March 7.
- Pearce, Annie R. and Fischer, Corey L.J. (2001). "Sustainable Facilities & Infrastructure Training: Outcomes, Recommendations, and Future Directions," Air Force Reserve Command Environmental Engineering Division, Warner Robins, GA, October 29.
- Pearce, Annie R. (2001). "Sustainability Strategy 101." HOK Brown Bag Lunch Series, Atlanta, GA, October 22.
- Pearce, Annie R. (2001). "Sustainable Civil Infrastructure Systems." CEE6xxx: Civil Infrastructure Systems, School of Civil & Environmental Engineering, Georgia Institute of Technology, Atlanta, GA. October 18.
- Pearce, Annie R. (2001). "Sustainability Strategy 101." Thompson, Ventulett, Stainback & Associates Brown Bag Lunch Series, Atlanta, GA, September 18.
- Pearce, Annie R. (2001). "Sustainable Civil Infrastructure Systems: An Introduction." CEE3000: Civil Infrastructure Systems, School of Civil & Environmental Engineering, Georgia Institute of Technology, Atlanta, GA. September 6.
- Pearce, Annie R. (2001). "An Introduction to Sustainable Facilities & Infrastructure: Training Outcomes and Recommendations." Centers for Disease Control, Atlanta, GA, July 26.
- Pearce, Annie R. (2001). "Sustainable Facilities & Infrastructure Capabilities and Research Needs." Headquarters Air Force Reserve Command, Robins AFB, Warner Robins, GA, May 29.
- Pearce, Annie R., Fischer, C.L.J., and Bosch, S.J. (2001). "Implementing Sustainability: An Organizational Perspective." EnvironDesign5, Atlanta, GA, April 27.
- Pearce, Annie R. (2001). "Sustainable Facilities: An Introduction." HOK Brown Bag Lunch Series, Atlanta, GA, April 19.
- Pearce, Annie R. (2000). "Sustainable Facilities & Infrastructure Capabilities and Research Needs." Air Force Center for Environmental Excellence, Brooks AFB, San Antonio, TX, December 11.
- Pearce, Annie R. (2000). "The Economics of Sustainable Capital Projects." CEE6120A: Environmentally Conscious Design & Construction, School of Civil & Environmental Engineering, Georgia Institute of Technology, Atlanta, GA. November 1.
- Pearce, Annie R. (2000). "Setting a Research Agenda for Sustainable Military Installations," Joint Services Meeting on Sustainable Military Installations, October 24, Brooks Air Force Base, San Antonio, TX.
- Pearce, Annie R. (2000). "An Introduction to Sustainable Facilities & Infrastructure: Training Outcomes and Recommendations." Base Civil Engineering Command, Robins Air Force Base, Warner Robins, GA, October 20.
- Pearce, Annie R. (2000). "Metrics of Sustainability for Built Facilities." School of Industrial & Systems Engineering, Georgia Institute of Technology, Atlanta, GA. October 12.

- Pearce, Annie R. (2000). "Considerations for Sustainable Civil Infrastructure Systems." School of Civil & Environmental Engineering, Georgia Institute of Technology, Atlanta, GA. September 26.
- Pearce, Annie R., et al. (2000). "A Primer on Sustainable Facilities & Infrastructure for Federal Facilities." Joint Services Pollution Prevention and Hazardous Waste Management Conference, San Antonio, TX, August 24.
- Pearce, Annie R. (2000). "SFI Continuing Education Capabilities." Sustainable Facilities & Infrastructure Program, Georgia Tech Research Institute, Atlanta, GA. July 29.
- Pearce, Annie R. (2000). "Disaster Response for Subsequent Sustainability." Sustainable Facilities & Infrastructure Program, Georgia Tech Research Institute, Atlanta, GA. July 27.
- Pearce, Annie R. (2000). "Assessment and Evaluation for Sustainable Facilities & Infrastructure." Heery University, Seattle, WA, June 5.
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