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## **RESUME**

18 June 2013

### **BIOGRAPHICAL SKETCH**

Arthur Stamps extracted his Ph.D. from U.C. Berkeley in 1980. The work focused on statistics (done in the psychology department), philosophy (in the Graduate School of Business), and futures research (Department of City Planning). He has published over 100 articles and made seminal contributions on the topics of environmental simulation, scaling, scientific protocols for performing design review, demographic effects on environmental preferences, spatial permeability and enclosure, the mystery and prospect and refuge theories of environmental preference, contextual design, information theory, environmental preference and exploration, and peer review. He serves on the editorial boards of several major journals and works at the Institute of Environmental Quality in San Francisco.

### **EDUCATIONAL EXPERIENCE**

Ph.D., University of California, Berkeley, 1980  
M.A. Arch., University of California, Berkeley, 1973  
A.B. (Architecture), University of California, Berkeley, 1971

### **PUBLICATIONS**

1. Permeability theory and Palace Athena. *Perceptual and Motor Skills*, in press, 2013
2. Simulating designed environments. In: Gifford, R. (Ed.) Research methods for environmental psychology, in press. New York: Wiley.
3. Efficient visualization of urban spaces. In: Leduc, T, Moreau, G, Billen, R. (Eds.). Usage, usability and utility of 3D city models. edp sciences: Les Ulis, France, pp. 01002-p.2 – 0100-p.20.
4. Effects of multiple boundaries on perceived spaciousness and enclosure. *Environment and Behavior*, first published on May 20, 2012 as doi:10.1177/0013916512446808.
5. How distance mitigates perceived threat at 30-90m. *Perceptual and Motor Skills*. 2012, 114, 3, 1-8.
6. A walk down the block: spatial and temporal parameters of aesthetic judgments about ordinary streetscapes. *Perceptual and Motor Skills*, 2012, 114, 2, 1-10.
7. Effects of boundary height and horizontal size within boundary on perceived enclosure. *Perceptual and Motor Skills*, 2011, 13, 1-4.
8. Distance mitigates perceived threat. *Perceptual and Motor Skills*, 2011, 113, 3, 1-13.
9. Validation of computer simulations for effects of eye gaze, sex, facial expression, and posture on perceived threat. *Perceptual and Motor Skills*, 2011, 112, 3, 1-8.

10. Commentary on the entropy of Lego. *Environment and Planning B*, 2012, 183-187.
11. Atmospheric permeability and perceived enclosure. *Environment and Behavior*, 44 (3), 2012, 427 - 446. [DOI 10.1177/0013916510393277](https://doi.org/10.1177/0013916510393277)
12. Use of static and dynamic media to simulate environments: a meta-analysis. *Perceptual and Motor Skills*, 2010, 111 (2) 1-12.
13. Parameters of contextual infill design: style, matching, diversity, distance, responses. *Journal of Urbanism*, 2011, 4 (1) 7-24.
14. Effects of area, height, elongation, and color on perceived spaciousness. *Environment and Behavior*, in press.
15. Slines, entropy and exploration. *Environment and Planning B*, 2010, 37 (4) 704 - 722.
16. Effects of permeability on perceived enclosure and spaciousness. *Environment and Behavior*, 2010, 42 (6), 864-886.
17. Nasar, J. L. & \_\_\_\_\_. Infill McMansions: style and the psychophysics of size. *Journal of Environmental Psychology*, 2009, 29, 110-123.
18. Monsters and mammals: vivid anchors for calibrating effect sizes measured as standardized mean contrasts ( $d$ ) or correlations ( $r$ ). 10 August 2008  
<http://InstituteOfEnvironmentalQuality.org>
19. Some findings on prospect and refuge theory II. *Perceptual and Motor Skills*, 2008, 107, 141-158.
20. On shape and spaciousness. *Environment and Behavior*, 2009, 41 (4) 526-548.
21. Some findings on prospect and refuge theory I. *Perceptual and Motor Skills*, 2008, 106, 147 - 162.
22. Entropy and environmental mystery. *Perceptual and Motor Skills*, 2007, 104, 691-701.
23. Evaluating spaciousness in static and dynamic media. *Design Studies*, 2007, 28 (5) 535 - 557.
24. Interior prospect and refuge. *Perceptual and Motor Skills*, 2006, 103, 643 - 653.
25. \_\_\_\_\_ and Krishnan, V.V. Spaciousness and boundary roughness. *Environment and Behavior*, 2006, 38 (6) 841 - 872.
26. Mystery of environmental mystery. *Environment and Behavior*, 39 (2) 2006, 165 - 197.
27. Entropy, Berlyne, Kaplan: integration of two aesthetic theories, 2006.  
<http://InstituteOfEnvironmentalQuality.org>
28. Surface location and enclosure. *Perceptual and Motor Skills*, 2006, 102, 517-528.
29. Literature review on Prospect and Refuge Theory: the first 214 citations, 2006.  
<http://InstituteOfEnvironmentalQuality.org>
30. Elongation and enclosure. *Perceptual and Motor Skills*, 2005, 101, 303 - 308.
31. Isovists, enclosure, and permeability theory. *Environment and Planning B: Planning and Design*, 32, 735-762, 2005.
32. In search of dominance: the case of the missing dimension. *Perceptual and Motor Skills*, 100, 559-566, 2005.
33. Nasar, J.L., \_\_\_\_\_, Hanyu, Kazunori. Form and Function in Public Buildings. *Journal of Environmental Psychology*, 25 (2), 2005, 159-165.
34. Visual permeability, locomotive permeability, safety and enclosure. *Environment and Behavior*, 2005, 37 (5) 587-619.
35. \_\_\_\_\_, V.V. Krishnan. Perceived enclosure of space, angle above observer, and distance to boundary. *Perceptual and Motor Skills*, 2004, 99, 1187-192.

36. Twisted titles. *California Monthly*, 2004, 115 (1) 9.
37. Enclosure and safety in urbanscapes. *Environment and Behavior*, 2005, 37 (1) 102 - 133.
38. Zacharias, John, and \_\_\_\_\_. Perceived building density as a function of layout. *Perceptual and Motor Skills*, 2004, 98, 777-784.
39. \_\_\_\_\_, Nasar, J.L., Hanyu, Kazunori. Managing Visual Quality: skylines. *Journal of the American Institute of Planners*. 2005, 71(1) 73- 91.
40. Environmental preference, coherence, legibility, complexity and mystery: a meta-analysis. *Journal of Environmental Psychology*, 2004, 24 (1) 1-16.
41. Permeability and environmental enclosure. *Perceptual and Motor Skills*, 2003, 96, 1305-1310.
42. Entropy and visual diversity in the environment: a meta-analysis. *Journal of Architectural and Planning Research*, 2004, 21 (3) 239-256.
43. Advances in visual entropy and diversity. *Environment and Planning B: Planning and Design*, 2003, 30, 449-463.
44. \_\_\_\_\_ and Smith, S.G. Environmental enclosure in urban settings. *Environment and Behavior*, 2002, 34 (6) 781-794.
45. Fractals, skylines, nature and beauty. *Landscape and Urban Planning*, 2002, 60 163-184.
46. Entropy, visual diversity, and preference. *Journal of General Psychology*, 2002, 129(3), 300-320.
47. Evaluating spaciousness in urban sites. *Landscape and Urban Planning*, 2001, 57, 25-42.
48. *Meta analysis*. In Bechtel, R. & Churchman, A., 2002. *Handbook of Environmental Psychology*, 222-232. New York: Wiley.
49. *Psychology and the aesthetics of the built environment*. Norwell, MA: Kluwer Academic, 2000.
50. Evaluating architectural design review. *Perceptual and Motor Skills*, 2000, 90, 265-271.
51. Bridging the interests of the edra community. In Stamps, A.E. (ed), 2000. Building Bridges, connecting people, research, and design 31st Annual Meeting, *Environmental Design Research Association*,. EDRA: Edmond, Oklahoma.
52. (Editor), Building Bridges, connecting people, research, and design 31st Annual Meeting, *Environmental Design Research Association*. May 10-14, 2000, San Francisco. Edmond, OK: Environmental Design Research Association.
53. Physical determinants of preference for residential facades. *Environment and Behavior*, 1999, 31 (6) 725-753.
54. Demographic effects in environmental preference: a meta-analysis. *Journal of Planning Literature*, 1999, 14 (2) 155-175.
55. Defining block character. *Planning and Design B: environment and planning*, 1999,26, 685-710.
56. Sex, complexity, and preferences for residential facades. *Perceptual and Motor Skills*, 1999, 88, 1301-1312.
57. Architectural detail, van der Laan septaves, and pixel counts. *Design Studies*, 1999 20, 83-97.

58. Complexity of architectural facades: from vague impressions to definite design features. *Perceptual and Motor Skills*, 1998, 87, 1407-1417.
59. Measures of architectural mass: from vague impressions to definite design features. *Environment and Planning B, Planning and Design*, 1998, 25, 825 - 836
60. Using science to evaluate magnitudes of aesthetic effects. In Teklenburg, J., van Andel, Smeets, & Seidel, A. (eds.) *Shifting balances, changing roles in policy, research, and design, Proceedings of the 15<sup>th</sup>. Bi-Annual conference of the International Association for People-Environment Studies*. 14 - 17 July, 1998. Eindhoven, the Netherlands: European Institute of Retailing and Services, 256-264.
61. Effect sizes of mountains and molehills. *Perceptual and Motor Skills*, 1998, 86, 913 - 914.
62. Of time and preference: temporal stability of environmental preferences. *Perceptual and Motor Skills*, 1997, 85, 883-896.
63. Meta-analysis in environmental research. *Space and design: design management for place making*. in Amierl, M. S. and Vischer, J. C. (eds.), 1997. Space design and management for place making, Proceedings of the 28<sup>th</sup>. Annual conference of the Environmental Design Research Association. Edmond, Oklahoma: Environmental Design Research Association 114 - 124.
64. A paradigm for distinguishing significant from non-significant visual impacts: theory, implementation, case histories. *Environmental Impact Assessment Review*, 1997, 17,249-293.
65. Advances in peer review research: an introduction. *Science and Engineering Ethics* 3 (1) January 1997, 3 - 10.
66. Using a dialectical scientific brief in peer review. *Science and Engineering Ethics* 3(1) January 1997, 85 - 98.
67. \_\_\_\_\_ and Nasar, J., Design review and public preferences: effects of geographical location, public consensus, sensation seeking, and architectural styles. *Journal of Environmental Psychology*, 1997, 17, 11-32.
68. Some streets of San Francisco: preference effects of trees, cars, wires, and buildings. *Environment and Planning: Planning and design B*, 1997, 24, 81 - 93.
69. Effect sizes as a lingua franca of environmental aesthetics. In: Nasar, J. L., & Brown, B. B., (1996). *Public and private places: edra 27*. Edmond, Oklahoma: Environmental Design Research Association, 151-162.
70. People and places: variance components of environmental preferences. *Perceptual and Motor Skills*, 1996, 82, 323 - 334.
71. Stimulus and respondent factors in environmental preference. *Perceptual and Motor Skills*, 1995, 80, 668-670.
72. Dolan, Daubert & contextual urban design principles. *Twenty-sixth annual conference of the Environmental Design Research Association, proceedings*. (1995) Nasar, J. L., Grannis, P., & Hanyu, K., eds. Oklahoma City, OK: EDRA, 60-65.
73. Beauty is in...? *Twenty-sixth annual conference of the Environmental Design Research Association, proceedings*. (1995) Nasar, J. L., Grannis, P., & Hanyu, K., eds. Oklahoma City, OK: EDRA, 48-53.
74. A study in scale and character: contextual effects on environmental preferences. *Journal of Environmental Management* 42, (1994) 223-245.

75. Formal and non-formal stimulus factors in environmental preference. *Perceptual and Motor Skills* 1994, 79, 3-9
76. Validating contextual urban design principles. In F. Brown, S. Neary, and M. Symes, eds., (1994). *The urban experience*. London: E & FN Spon, 141 - 153.
77. Jungian epistemological balance: a framework for conceptualizing architectural education? *Journal of Architectural Education* November 1994, 105 - 112.
78. All buildings great and small: design review from high rise to houses. *Environment and Behavior*, 26 (3) May 1994 402-420.
79. Validating contextual urban design photoprotocols: replication & generalization from single residences to block faces. *Environment and Planning B: Planning & Design*, 20 (1993), 693-707.
80. Public preferences for residences: precode, code minimum, and avant-garde architectural styles. *Perceptual and Motor Skills* 1993, 77, 99-103.
81. Post-construction validation of photomontage simulations. *Perceptual and Motor Skills* 1993, 76, 1335-1338.
82. Simulation effects on environmental preference. *Journal of Environmental Management*, (1993) 38, 115 - 132.
83. Stamps & Miller, advocacy membership, design guidelines and predicting preferences for residential infill designs. *Environment and Behavior* 25 (3) May 1993 367-409.
84. Review of The Liberal Education of Architects. *The Structurist* 31/32, December 1992 150 - 153.
85. Pre- and post construction environmental evaluations. *Perceptual and Motor Skills*, 1992, 75, 481-482.
86. Bootstrap investigation of respondent sample size for environmental preferences. *Perceptual and Motor Skills*, 1992, 75, 220-222.
87. Commentary on the Pruitt-Igoe myth. *Journal of Architectural Education* 4 (3), (May 1992).
88. Perceptual and preferential effects of photomontage simulations of environments. *Perceptual and Motor Skills*, 1992, 74, 675-688
89. Comparison of normal and angular response functions for environmental scaling. *Perceptual and Motor Skills*, 1991, 73, 715-719.
90. Use of comparative choice paradigm in governmental design review: a case study. *J. Environmental Management*, 33 (1991), 315 - 364.
91. Residents' and nonresidents' preferences for tourist loci. *Perceptual and Motor Skills*, 1991, 72, 1089-1090.
92. Growth management and design review: is older better? *Architecture California* 13 (2) August, 1991, 33-35.
93. Comparing preferences of neighbors and a neighborhood design review board. *Environment and Behavior* 23 (5), (1991), 616 - 629.
94. Public preferences for high-rise buildings: stylistic and demographic effects. *Perceptual and Motor Skills*, 1991, 72, 839-844.
95. Use of photographs to simulate environments: a meta-analysis. *Perceptual and Motor Skills*, 1990, 71, 907-913.
96. Preliminary findings regarding effects of photographic and stimulus variables on preferences for environmental scenes. *Perceptual and Motor Skills*, 1990, 71, 231-234.

97. Some notes on the liberal education of architects. In: Domer, D. and Spreckelmeyer, K. F., (1990). *The Liberal Education of Architects: a symposium sponsored by the Graham Foundation for Advanced Studies in the Fine Arts*. Lawrence: University of Kansas, November 8-9, page 95 - 96.
98. A new method for teaching architectural studios: use of objective feedback to help design students refine their capacity for self-evaluation. *Perceptual and Motor Skills*, 1989,69, 827-832.
99. Are environmental aesthetics worth studying? *Journal of Architectural and Planning Research*, 6 (4) (1989): 344-355.
100. Prejudice and peer review. *Technology Review* 91 (3) 26, 26 April 1988
101. Some possible ends and means for peace gardens. *Places for Peace, the 1988 World Congress of the National Federation of Landscape Architects*, Boston. (1988)
102. An alternate method of review for high-rises, *SFAIA Newsletter*, Vol 9 (3):2
103. Experience, drawing, experiment, Crit 15, *Journal of the Associated Student Chapters of the AIA*: 13 ff.
104. Teaching to think, *Architecture, the AIA Journal*, 73 (10), Oct 84: 8
105. Beyond technology: architectural education, *Architecture California*, 7 (6) Nov. Dec. 1985: 34 ff.
106. Teaching Design Ethics, *Architectural Technology*, May/June 1986: 17
107. *On the Improvement of Design Judgment*, Ph.D. Dissertation, University of California, Berkeley. Ann Arbor: University Microfilms.
108. Consider the Amoebae. *Isaac Asimov Science Fiction Magazine*. 1988
109. Biology is nice work if you can get it. *Journal of Irreproducible Results*, vol. 33 (4): 10 (Mar/Apr 1988)

## SHOWS, EXHIBITIONS, & CONFERENCES

Review of research on enclosure. *Paper for the 33<sup>rd</sup>. Annual Meeting, Environmental Design Research Association, Community: Evolution or Revolution?*, Philadelphia, May 22 - 26, 2002.

Entropy and environmental aesthetics. *Paper for the 109<sup>th</sup>. Annual Convention of the American Psychological Association*, San Francisco, August 24-28, 2001.

Is this interesting or what? *Paper for the 31<sup>st</sup> Annual Meeting, Environmental Design Research Association, Building Bridges, connecting people, research, and design*, May 10 - 14, 2000, San Francisco.

Attributes of building facades. *Paper for the 29<sup>th</sup>. Annual Meeting, Environmental Design Research Association, People, places and public policy*, March 4 - 8, St. Louis.

Indefinite and definite concepts in contextual urban design. Paper for the 15<sup>th</sup>. Annual Meeting, International Association for People-Environment Studies, *Changing roles in policy, research, and design* July 14 - 17, Eindhoven, The Netherlands.

Using science to evaluate magnitudes of aesthetic effects. Paper for the 15<sup>th</sup>. Annual Meeting, International Association for People-Environment Studies, *Changing roles in policy, research, and design*, July 14 - 17, Eindhoven, The Netherlands.

Measuring success or failure in urban design controls. 1997 American Collegiate Schools of Architecture Southwest Regional Meeting, Albuquerque, New Mexico, 31 October - 1 November 1997.

Meta analysis in environmental research. *Paper for the 28<sup>th</sup>. Annual Meeting, Environmental Design Research Association.*

Effect sizes as a lingua franca of environmental aesthetics. *Paper for the 27th. Annual Meeting, Environmental Design Research Association.*

Using a scientific dialectical brief in peer review. *1996 Annual Meeting, American Association for the Advancement of Science, Baltimore, 9 February 1996.*

Coping with design review. *Seminar for the 1996 Annual Meeting, American Institute of Architects, Minneapolis, 10 - 13 May 1996.*

Significant visual impact: is it or isn't it?, *1996 meeting, Design Decision Support Systems, Spa, Belgium, 18 - 21 August 1996.*

Design review under Dolan: architecture in the era of public aesthetics. *37th. Annual Western Social Science Association, Oakland, 26-29 April 1995.*

Dolan, Daubert & contextual urban design principles, and Beauty is in...? *26th. Annual Meeting, Environmental Design Research Association.*

Validating contextual urban design principles. *International Association for People-Environment Studies Conference 13, Manchester: UK July 13 - 15, 1994.*

Beauty is in...? Variance components of environmental preference. *Western Social Science Association 36th. Annual Conference, Albuquerque, April 20 - 23.*

Daubert and peer review. Poster paper, *Annual Meeting, American Association for the Advancement of Science. San Francisco, February 18 - 23, 1994.*

An alternative design studio. The Design Studio in the 21st. Century. *1992 ACSA West Region Annual Meeting. Cal Poly, San Luis Obispo, October 22 - 25.1992*

All buildings great and small: design review from high rise to houses. Invited paper, International conference on design review. Cincinnati: University of Cincinnati, October 8 - 11, 1992.

Simulation effects on environmental preference. Environmental Design Research Association Conference. Boulder, CO: University of Colorado, April 9 - 11, 1992.

Neighborhood design review: a case study. Paper for the Ninth International Making Cities Livable Conference, San Francisco, February 26 - March 2, 1991. International Making Cities Livable Conferences, PO Box 7586, Carmel, CA 93921.

Some notes on the liberal education of architects. Paper for symposium on the liberal education of architects, University of Kansas, Nov. 8,9, 1990.

Exhibition of five pieces of art, Art by Architects show, American Institute of Architects, San Francisco, 21 May - 21 July, 1990.

Perceptual and preferential effects of environmental representation with photomontage simulations: some preliminary findings. Conference on representation and simulation in architectural research and design, University of Minnesota, 31 March - 1 April, 1990.

Exhibition, AIA/SF Gallery, Thumbnail Sketches, 15 June - 31 July; design drawing for Zampieri Residence

Conference on neighborhood design review, SPUR, San Francisco, California

A studio which uses design drawing and iterative feedback. 5th. National Conference on the Beginning Design Student. University of New Mexico

Television show on design review, Pacifica Community Television, Channel 6

Exhibition of photographs, East Bay Chapter, AIA

## ACTIVITIES AND MEMBERSHIPS

2000 - 2002 Member, American Psychological Association  
1999 - 2002 Member, American Planning Association  
1992 - Associate Editor, *Perceptual and Motor Skills*  
1991 - 92 Consulting reviewer for environmental studies, *Perceptual and Motor Skills*  
1991 - 94 Member, Aesthetics and Urban Design Committee, American Society of Civil Engineers  
1989- Member, Community Boards of San Francisco  
1973- Member, American Association for the Advancement of Science  
1990 Member, American Institute of Architects Advisory Design Review Committee  
1989 Staff, American Institute of Architects Design Charrette on zoning changes proposed by San Francisco's City Planning Department  
1988-1989 Member, East Slope Committee of the Concerned Bernal Citizens  
1987 Founded Institute of Environmental Quality  
1986-1988 Member, East Slope Bernal Heights Neighborhood Design Review Board  
1984 Developed evaluation guidelines for the Mock Design Examination, San Francisco Chapter, AIA  
1984 Lecture for East Bay Chapter, AIA, on passing the architectural license examination  
1984- 1987 Member, AIA committee for architects in education  
1983 Task force on Indoor Pollution, California Chapter, AIA  
1983 Professional member, International Conference of Building Officials  
1981-1983 Technical documents committee, San Francisco Chapter, Constructors Specifications Institute  
1981-1982 Member, New York Academy of Science  
1977-1988 Committee on continuing education, San Francisco Chapter, AIA

## DESIGN EXPERIENCE

*Stamps, as in Postage: Works of Art*, 2004, Valhalla, N.Y.: mypublisher.com.  
1994 Residence, Mr. & Mrs. Simonetti, San Francisco  
1993 Dental office, Linda Angin, San Francisco  
1993 Residential remodeling, Nick Leonoudakis, South San Francisco  
1992 Residential remodeling, Chris Leonoudakis, San Francisco  
1991 Residential remodeling, Phil Bartlett, Tiburon  
1990 Residence, Steve Leonoudakis, San Francisco  
1989 Residential remodeling, Phil Bartlett, Tiburon  
1989 Residential remodeling, Joe Atturio, Bernal Heights San Francisco.  
1989 Photomontage of proposed retirement center, Greater West Portal Neighborhood Association  
1988 Consultant, National Peace Garden, Inc., Berkeley, California: planning and writing grant applications for an international design competition.  
1988 Residential remodeling feasibility study, David Robins, Bernal Heights, San Francisco  
1988 Residential remodeling feasibility study, Janet Zampieri, Montcalm Street, Bernal Heights San Francisco



1987 Consultant to San Francisco Department of City Planning on submission requirements and protocols for the annual Office Building Competition  
1986 Residential remodeling, G. Kimmerling, San Francisco  
1987 Solar Residence, Bernal Heights  
1986 Draft of generic solution to issue of converting large residential structures into multiple units, for the Board of Permit Appeals, City of San Francisco  
1987 Peace Park, Crissy Field, design consultant  
1985 Jesse Street Peace Park, design consultant  
1981 - 1987 Participated in over 40 architectural projects, most of which were retail commercial buildings or multiscreen theaters. Duties ranged from simple drafting to complete architectural services.

#### **RESEARCH EXPERIENCE:**

1990 On educating the complete individual: integrating the liberal arts into design, and vice-versa.  
1990 On the replacement of discourse by scientific procedures in academic peer review  
1989 Study of photographic and simulation variables on environmental preferences.  
1988 Case study of neighborhood design review boards: reasoning and cross validation of judgment with other populations  
1987 Demographic and media effects in comparative preference studies of office buildings  
1986 Study of accuracy of photomontages for simulating buildings  
1986 Visual impact study of creating historically correct housing in existing air rights in neighborhood commercial districts  
1986 Preference study of high rise buildings  
1977 Grant proposal on hazards and life safety, Assistant Specialist II, Department of Architecture, U.C. Berkeley  
1977 Sociotechnological feasibility analysis of a proposed solar energy research institute, Sr. Architectural Associate III, Academic Vice President's council on Energy and Resources, University of California.  
1975 Visual impact study of national parks, Research Assistant, Department of Landscape Architecture, U.C. Berkeley  
1972 Designs for resource conserving cities, Research Assistant, Institute of Urban and Regional Development, U.C. Berkeley

#### **TEACHING EXPERIENCE**

1985 Lecturer, California College of Arts and Crafts, Department of Architecture: courses on office management and designing for different lifestyles  
1984 - 1985 Lecturer, Cogswell College, Department of Architecture, courses on elementary design, design development, codes, and specifications.  
1980 Reader, Department of Business Administration, U.C. Berkeley, assisting in class on philosophy of design  
1980 Associate, Department of Architecture, U.C. Berkeley, assisting in class on feasibility analysis for new technologies

1977 Research Assistant, Computer Center, U.C. Berkeley, teaching a class on FORTRAN

1975 - 77 Associate, Department of Architecture, U.C. Berkeley, assisting in a class on elementary structural design

#### **ADMINISTRATIVE EXPERIENCE**

2000 Scheduling and editing proceedings for the 2000 Annual Meeting of the Environmental Design Research Association.

1996 Organizing and chairing a session on environmental aesthetics, 1996 Annual Meeting of the Environmental Design Research Association.

1996 Guest editor, special issue on peer review research, *Science and Engineering Ethics*

1994 - 96 Organizing and chairing a session on peer review for the 1996 Annual Meeting of the American Association for the Advancement of Science

1988 - President and Chairman of the Board for the Institute of Environmental Quality, Inc.

1976 Description and policy development for the Ph.D. program in Architecture, U.C. Berkeley.

1976 Management of a fire safety research conference, Department of Architecture, U.C. Berkeley

Ph.D. Research Seminar Coordinator, Department of Architecture, U.C. Berkeley

#### **COMPETITIONS/AWARDS**

"Whalebox", AIA Photo Contest, published in 1990 AIA Calendar