

F. Margaret Hickey: Architect

Registration: *N.C.A.R.B. Registered Architect, Massachusetts #5049*

Education: *Massachusetts Institute of Technology:
Bachelor of Science, Mechanical Engineering Co-op, 1963
Bachelor of Architecture, 1969 (5 year program)
Continuing Education Courses at M.I.T., Harvard, Boston Architectural Center, NorthEast Sustainable Energy Association and General Electric: Kinematics, Energy Conservation, Solar Architecture, Lighting Technology, Restoration & Adaptive Re-use, Photovoltaics, Day Lighting.*

Employment:

1973-present: Massachusetts College of Art: Professor, Chair of Environmental Design '83-'98 and '06-'08, responsible for programs in Architecture, Industrial Design, Fashion, and formerly also Computer Graphics, Graphics and Illustration. Developed Architecture program and structures, building technology, & design curriculum; teach all structures & building methods/technology courses. Teach computer algebra with applications especially designed for adults in visual professions, AutoCAD with space planning applications, and calculus.

1991-present: Consultation on high school and college mathematics curriculum: Massachusetts Corporation for Educational Television course "Order in Chaos:" University of Massachusetts, freshman algebra units, for N.S.F. course and book "Explorations in College Algebra" published by J. Wiley, N.Y. 1996; edited text and software for "Interactive Differential Equations" compact disk, Addison Wesley, 1996; designed math learning software for NSF grant for Charlestown Community College, 2001.

*1978-present: Architectural Practice: City of Cambridge, low & moderate income housing programs: Richdale Avenue, 7 units major reconstruction; Columbia Townhouses, 6 units new construction; Hayes & Magee Street Housing, 5 units new construction, Willow Homes, 15 units exterior rebuilding; renovation design of many buildings with 1-16 units, some with historic preservation requirements.
J.L Hammett Co.: mall stores in Massachusetts, Illinois, Maryland & New Jersey. Ivy Realty: renovation & condominium documents. Private clients: houses, renovations & additions in Cambridge, greater Boston area, and Vermont.*

1976-78, 1970-73: Cambridge Redevelopment Authority: Renovation Designer/ Architect.

1973-1976: Bernard Soep Associates, Allston, MA: Senior Planner: space planning for Worcester Center, Wellesley Office Park, Center Plaza, & Environmental Research & Technology laboratories.

1967-1968: Neil Mitchell Associates, part-time: kitchen, bathroom & utility design.

1965-1966: M.I.T., part-time: wrote scientific abstracts; also computer programming assistant to Professor Adams, Director, N.S.F. Kinematics Conference.

1963-1965: G.E. Small Aircraft Engine Department, Lynn, MA: Engineer: maintenance engineering for lubrication system of J85 and vent system of T64 jet engines.

1962: *Goodyear Tyre & Rubber Co., Akron, OH: Co-op practicum, engineering trainee: designed and sometimes built original test equipment.*

Exhibitions & Lectures:

- 2013: *"Teaching Sustainability: What Comes First? Interactive Digital Tools to Prioritize Realistic Choices, for Renovation and New Construction," Building Technology Educators Society, 2013 Conference, Bristol, RI.*
- 2011: *"Teaching Structures and Sustainability with Low-Tech Gadgets and Custom Interactive Software," Building Technology Educators Society, 2011 Conference, Toronto, Canada..*
- 2004: *Talk, with H.Hohn, "Custom Computer Tools for Teaching Art & Design," Wentworth Institute of Technology, conference.*
- 2001: *Talk "College Algebra for Art & Design Students," NASAAD conference, Ringling Art School, Sarasota, Florida.*
- 1993: *ICTCM Conference talk "Explorations in College Algebra: The Physical/Visual Connection."*
- 1996: *Talk at University of Massachusetts, Boston, Mathematics Conference "Developing Theory from Practical Applications."*
- 1993: *"Bits & Pieces," South Shore Art Center Gallery, Cohasset, MA: computer graphic group show.*
- 1992: *"On The Wall," Do-While gallery, Boston, MA: computer graphic group show.*
- 1991: *"Art=Folk Architecture," M.I.T. Architecture Department, lecture/show.
"Mental Image Soup," Brandeis Creative Arts Festival, lecture/show.
"Illuminance," Do-While gallery, Boston, MA: computer graphic group show.*
- 1990: *"Machined Visions," Bridgewater State College, MA: computer graphic group show.*
- 1989: *"Algorithmic Images," Ball State University, Muncie, Indiana: solo exhibition & lecture.
"RGB to CYMB," Massachusetts College of Art: solo exhibition & opening lecture.*
- 1981: *"Paul Klee & Vernacular Architecture," M.I.T. Architecture Department, solo exhibition & opening lecture.*
- 1978: *"Dwellings of the Future," WBZ T-V, Boston, MA: 7 minute segment with 5 of my students & their designs.*
- 1969: *"Form & Use in Architecture," M.I.T. Hayden Gallery, vernacular architecture photography installation in group show.*

Publications:

- 2013: *"Teaching Sustainability: What Comes First? Interactive Digital Tools to Prioritize Realistic Choices, for Renovation and New Construction," M. Hickey and H. Hohn Building Technology Educators Society, 2013 Conference Proceedings, Bristol, RI.*
- 2011: *"Teaching Structures and Sustainability with Low-Tech Gadgets and Custom Interactive Software," M. Hickey and H. Hohn, Building Technology Educators Society, 2011 Conference Proceedings, Toronto, Canada*
- 1996: *"Explorations in College Algebra," Kime et al., J. Wiley, N.S.F. funded experimental course text, major contributor, especially practical and visual applications, now in 5th edition.*
- 1991: *New York Times: article on Columbia Townhouses (designed for City of Cambridge Community Development Department) as successful low cost infill housing.*
- 1976: *Technology Review, June: wrote review of "From Tipi to Skyscraper," architecture by women.*
- 1975: *Boston Globe, Dec. 25: article on & photographs of my own house renovation.*
- 1971-1973: *"Our Bodies Our Selves," 1st. edition: wrote sections on menopause and common medical problems of women.*
- 1969: *Aeronautics & Astronautics: design for V-STOL Heliport shown.*

Memberships:

*NorthEast Sustainable Energy Association, Building Technology Educators Society, Cambridge Housing Authority Local Screening Committee,
Board member of Surf Point Artists Foundation.*