

# CURRICULUM VITAE

## **Edward Steinfeld**

November 1, 2018

### **Education**

University of Michigan, Doctorate of Architecture, December, 1972

University of Michigan, Master of Architecture, 1969

Carnegie Mellon University, Bachelor of Architecture, June 1968

### **Awards**

Nadine Carter Russell Chair in Interior Design, College of Art and Design, Louisiana State University, 2017

James Haecker Award for Distinguished Leadership in Architectural Research, Architectural Research Centers Consortium, 2015

SUNY Distinguished Professor, State University of New York, 2012

President's Award for Excellence. University at Buffalo. 2010

Ron Mace/Design for the 21<sup>st</sup> Century Award in recognition of leadership in the field of universal design, Adaptive Environments, 2004.

U.S. Patent 6 820 290 B1, Movable Bathroom Fixtures, Nov. 23, 2004 (with A. Mullick and D. Kelley)

Distinguished Professor, Association of Collegiate Schools of Architecture, Spring '03.

Silver Award for Excellence in Design, Universal Bathroom Suite, Industrial Design Society of America, 2002. (with Abir Mullick and Drew Kelley)

Bronze Prize, Universal Bathroom Suite, Annual Product Design for an Aging Society Competition, awarded by the American Society on Aging, 2001. (with Abir Mullick and Drew Kelley)

Progressive Architecture Citation for Applied Research as Expert Advisor to Adaptive Environments Center, 1990

Best Practices in Effective Accessibility Research, Hand Anthropometrics Project, U.S. Interagency Committee on Handicapped Research, 1987

National Endowment for the Arts, Design Research Recognition Award, 1983

Progressive Architecture Award for Applied Research - New ANSI Standards Research, 1979

Gerontology Traineeships, Department of Health, Education and Welfare, 1968-1971

Pittsburgh Plate Glass Traveling Fellowship, 1967

Carnegie Scholarships, 1963-1968

### **Certificates and Licenses**

Registered Architect, New York State, 1978

Specialist in Aging Certificate, Institute of Gerontology, University of Michigan, 1970

### **Current Positions**

SUNY Distinguished Professor of Architecture, 2012 – Present

Adjunct Professor, Dept. of Rehabilitation Sciences, State University of NY at Buffalo, 1990 - present

Director, Center for Inclusive Design and Environmental Access, State University of NY at Buffalo, 1984-present

Principal, Edward Steinfeld, Architecture and Design Research, 1987-present

### **Association Membership**

American Institute of Architects

Rehabilitation Engineering Society of North America (Board of Directors, 2011- 2014)

Human Factors and Ergonomics Society

Congress of New Urbanism

### **Previous Positions**

Professor, Dept. of Architecture, State University of NY at Buffalo, 1982-2012

Acting Chairman, Department of Architecture, State University of New York at Buffalo, Summer, 1981 - Summer, 1982

Associate Professor, Department of Architecture, State University of New York at Buffalo, Fall 1978 - Fall, 1982

Associate Professor, School of Architecture and Faculty Associate, All-University Gerontology Center, Syracuse University, December, 1976 to Summer, 1978

Assistant Professor, School of Architecture and Faculty Associate, All-University Gerontology Center, Syracuse University, January, 1973 to December, 1976

Research Architect, Center for Building Technology, National Bureau of Standards, 1971-1973

Teaching Assistant, Department of Architecture, University of Michigan, 1969-1971

Research Assistant, Institute of Gerontology and Architectural Research Laboratory, University of Michigan, 1969-1971

## Professional Travel

Keynote Speaker, Association of Consultants in Access Australia, Annual Conference, Melbourne, October, 2015

Chairman, Design Jury, Royal Institute of Architects in Ireland, Dublin, May 25, 2015

Invited Guest, Nordic School of Public Health, Gothenburg, Sweden, Fall, 2011

Invited Guest, School of the Built Environment, University of New South Wales, Australia, Fall, 2009

Study tour on housing for older people, Sweden, Denmark and the UK, Fall, 2006

Invited Guest, Shizuoka University of Art and Culture, Hamamatsu, Japan, December, 2003

Invited Guest, IRV (Institute for Rehabilitation Research), Hoensbroek Netherlands, 2002

Study tour of exemplary universal design research programs, Sweden, Denmark, Netherlands and Spain, 2001

Series of lectures and study of accessible transportation, Japan, 1999

Study tour to Curitiba, San Paulo and Belo Horizonte, Brazil to review the state of accessibility and universal design, 1994

Swedish-American Architectural Researchers Conference sponsored by the National Science Foundation, Stockholm, June, 1982

Study tour of recent developments in housing and community planning for people with disabilities in Sweden and the Netherlands, June, 1975

Extensive travel in Western Europe on Pittsburgh Plate Glass Travel Fellowship, May-August, 1968.

## Peer Reviewed Publications

Kim, K., & Steinfeld, E. (2019). The effects of glass stairways on stair users: An observational study of stairway safety. *Safety Science*, 113, 30-36. doi:10.1016/j.ssci.2018.11.010

Reinkensmeyer, D.J., Blackstone S., Bodine C., Brabyn, J., Brienza D., Caves, K., DeRuyter, F., Durfee, E., Fatone, S., Fernie, G., Gard, S., Karg, P., Kuiken, T.A., Harris, G.F., Jones, M., Li, Y., Maisel, J., McCue, M., Meade, M.A., Mitchell, H., Mitzner, T.L., James L. Patton<sup>15</sup>, Philip S. Requejo<sup>16</sup>, James H. Rimmer<sup>17</sup>, Wendy A. Rogers<sup>14</sup>, W. Rymer, Z., Sanford, J.A., Schneider, L., Sliker, L., Sprigle, S., Steinfeld, A., Steinfeld, E., Vanderheiden, G., Winstein, C., Zhang, L., and Corfman, T. (2017) How a diverse research ecosystem has generated new rehabilitation technologies: review of NIDILRR's Rehabilitation Engineering Research Centers. *Journal of NeuroEngineering and Rehabilitation* 14:109

Steinfeld, E. (2017) A career outside the mainstream. in Chaudhury, H. and Oswald, F. *Environments and Aging: Autographic Perspectives in Environmental Gerontology*. *Annual Review of Gerontology and Geriatrics*, Vol. 38, pp 277-302

D'Souza, C., Paquet, V., Lenker, J. & Steinfeld, E. (2017) Effects of transit bus interior configuration on performance of wheeled mobility users during simulated boarding and disembarkation. Applied Ergonomics, Vol.62, pp 94-106.

D'Souza, C., Paquet, V., Lenker, J. & Steinfeld, E. (2017). Self-Reported Difficulty and Preferences of Wheeled Mobility Device Users for Simulated Low-Floor Bus Boarding, Interior Circulation, and Disembarking. To appear in Disability and Rehabilitation: Assistive Technology. DOI: 10.1080/17483107.2017.1401128.

Mokhov, A. and Steinfeld, E. (2016). Classroom design for children on the autistic spectrum. Architectural Research Addressing Societal Challenges. Proceedings of the EAAE/ARCC International Conference, Lisbon, Portugal

Lenker, J., Damle, U., D'Souza, C., Paquet, V. and Mastare, T., Steinfeld, E. (2016). A usability evaluation of access ramps used in public transit buses. Journal of PublicTransportation, 19(2): 109-127.

Kim, K., Steinfeld, E. (2016). An Evaluation of stairway designs featured in architectural record between 2000 and 2012. Archnet-IJAR, 10(1), 96-112.

D'Souza, C., Zhu, X., Steinfeld, E., Lenker, J., Paquet, V. (2015). Human Factors Study of Accessible Buses Using Full Scale Simulations. Proceedings of the 14th International Conference on Mobility and Transport for Elderly and Disabled Persons (TRANSED), Lisbon, Portugal, July 2015, pp: A343-A354. ISBN 978-989-20-6262-4

Steinfeld, E. Weidemann, S. White, J. Sigal, E. Effectiveness of design standards in improving residence hall usability and satisfaction. Architectural Research Center Consortium Annual Conference Proceedings. Chicago, May, 2015.

Steinfeld, E. and Björk, E. Universal design and international Study. UD2014 Conference Proceedings. Lund University, SE, June 2014.

Steinfeld, E. D'Souza, C. and White, J. Developing evidence-based standards: a case study in knowledge translation. UD2014 Conference Proceedings. Lund University, SE, June 2014.

Steinfeld, E. and Smith, R. Universal design for quality of life technologies. Proceedings of the IEEE, Volume 100, Issue 8. 2012

Steinfeld, E (2011). Key contributor to Section 6: Enabling Environments, World Report on Disability, World Health Organization 2011

Steinfeld, E., Maisel, J., Feathers, D. and D'Souza, C. Anthropometry and standards for wheeled mobility: an international comparison, Assistive Technology, 22: 1, 51 — 67, 2010.

D'Souza, C., Paquet, V., Steinfeld, E., & Feathers, D. Anthropometric data visualization tools to improve accessibility of built environments. In: Proceedings of 3rd International Conference on Applied Human Factors and Ergonomics, AHFE International, Miami, Florida, Taylor & Francis, Ltd., 2010

D'Souza, C., Steinfeld, E., Paquet, V., & Feathers, D. Space requirements for wheeled mobility devices in public transportation: an analysis of clear floor space requirements. Transportation Research Record, Journal of the Transportation Research Board, 2010.

Steinfeld, E., Paquet, V., Lenker, J., D'souza, C. Maisel, J. Universal design research on boarding and using buses. TRANSED 2010 Conference Proceedings. Hong Kong, June, 2010.

Steinfeld, E., D'souza, C., Maisel, J. Clear floor space for contemporary wheeled mobility users. TRANSED 2010 Conference Proceedings. Hong Kong, June, 2010.

D'Souza, C., Steinfeld, E., Paquet, V. Feathers, D. Space requirements for wheeled mobility devices in public transportation: analysis of clear floor space requirements, Proceedings of the Transportation Research Board Annual Conference, Washington, DC, 2010.

Steinfeld E. 2009. Universal Design. In: JH Stone, M Blouin, editors. International Encyclopedia of Rehabilitation. Available online:  
<http://cirrie.buffalo.edu/encyclopedia/article.php?id=107&language=en>

D'Souza, C., Steinfeld, E., Paquet, V. Functional reach abilities of wheeled mobility device users: toward inclusive design. Proceedings of the Include '09 Conference. London: Helen Hamlyn Centre, Royal College of Art, 2009

Maisel, J., Smith, E., Steinfeld, E. Increasing Home Access: Designing for Visitability. Washington, DC: American Association of Retired People. 2008

Steinfeld, E. Emergency evacuation of people with disabilities, Journal of Security Education, Volume 2, No. 1—Fall, 2006.

Steinfeld, E. and Salmen, J.P.S. Accessibility codes and standards. Encyclopedia of Disability. Thousand Oaks, CA: Sage Publications, Fall, 2006

Steinfeld, E. Fair housing act. Encyclopedia of Disability. Thousand Oaks, CA: Sage Publications, 2006

Maisel, J. and Steinfeld, E. Visitability. Encyclopedia of Disability. Thousand Oaks, CA: Sage Publications, Fall, 2006

D'Souza, C., Paquet, V., Lenker, J., Steinfeld, E. and Bareria, P. (2012). Low-floor bus design preferences of walking aid users during simulated boarding and alighting. Work, 41 (Suppl. 1): 4951-4956.

D'Souza, C., Steinfeld, E., Paquet, V. and Feathers D. (2010). Space requirements for wheeled mobility devices in public transportation: analysis of clear floor space requirements. Transportation Research Record: Journal of the Transportation Research Board, No. 2145: 66-71.

Steinfeld, E. Emergency Evacuation of People with Disabilities, Proceedings of the Scholarship on Homeland Security Conference: Exploring the Intellectual Territory, Rockefeller Institute, Albany, NY, Fall, 2005

Steinfeld, E., Paquet, V., Feathers, D. Space Requirements for Wheeled Mobility Devices, Proceedings of the Annual Conference of the Human Factors and Ergonomics Society, Santa Monica: HFES, October, 2004

Steinfeld, E. Modeling spatial interaction in anthropometric research. International Journal of Industrial Ergonomics, 33(3), pp. 265-278, 2004.

Steinfeld, Edward and Tauke, Beth. Reflection and critique on universal design, Proceedings of the American Collegiate Schools of Architecture Annual Meeting, Louisville, Kentucky, 2003.

Steinfeld, E., Paquet, V. and Lenker, J. New development in the anthropometry of wheelchair users. Proceedings of the Universal Design 2002 Conference, Yokahoma, Japan, Nov. 30-December 2, 2002.\*

- Steinfeld, Edward. My Father's Room. Alzheimer's Care Quarterly. Winter, 2002, pp1-6
- Steinfeld, E. & Danford, G.S. Measuring handicapping environments. In G. Gresham (Ed.) Rehabilitation Outcomes Measurement: The State of the Art in the Year 2000 (Special issue), Journal of Rehabilitation Outcomes Measurement, 2000, 4:4, 5-8.
- Bieri, C., Triolo, R., Danford, G.S., & Steinfeld E. A Functional Performance Measure for Effort and Assistance Required for Sit-to-Stand and Standing Pivot Transfer Maneuvers. Journal of Spinal Cord Medicine. Spring 2000, Volume 23, 3, 2000
- Bieri, C., Triolo, R., Danford, G.S., & Steinfeld E. A Measure of Functional Performance for Sit-to-Stand and Standing Pivot Transfer Maneuvers. Proceedings of the 2<sup>nd</sup> National VA Rehabilitation Research & Development Service. Washington, DC: VA Rehabilitation Research & Development Service, 185, 2000
- Steinfeld, Edward, Tomita, Machiko, Mann, William C. and DeGlopper, William. Use of passenger vehicles by older people with disabilities. Journal of Occupational Therapy Research, Summer, 1999
- Steinfeld, Edward; Levine, Danise; Shea, Scott. Home modifications and the Fair Housing Law, Technology and Disability, February, 1998, pp. 15-36.
- Steinfeld, E. Public transportation in Curitiba Brazil, Proceedings of the Designing for the 21st Century Conference, June, 1998, International Conference on Universal Design. Raleigh: Center for Universal Design, North Carolina State University, Spring, 1998, pp.118-121
- Steinfeld, E. Universal design as innovation, Proceedings of the Designing for the 21st Century Conference, June, 1998, International Conference on Universal Design. Raleigh: Center for Universal Design, North Carolina State University, Spring, 1998, pp. 30-32
- Steinfeld, Edward and Danford, Gary S. Measuring fit between individual and environment. Proceedings of the Human Factors and Ergonomics Society Annual Conference. Santa Monica, CA: Human Factors and Ergonomics Society, Fall, 1997, pp. 485-489
- Steinfeld, Edward and Danford, Gary S. Architecture and disability: measuring handicapping/enabling environments. Architectural Research Centers Consortium: Spring Research Conference Proceedings. Tempe, AZ: Herberger Center for Design Excellence, Arizona State University, 1997 pp. 53-58.
- Danford, Gary S. and Steinfeld, Edward. Measuring enabling person - environment transactions. EDRA 28 Proceedings, Edmond, OK: Environmental Design Research Association, 1997, pp.84-88
- Steinfeld, E. & Danford, G. S. Measuring enabling/handicapping environments: the influences of designed environments on functional performance. In T. Sowell & N. McAleer (Eds.) Rehabilitation R&D Progress Reports: 1995. Baltimore, MD:VA Rehabilitation Research and Development Service, 1996, 65-66.
- Steinfeld, Edward and Shea, Scott. Enabling home environments: strategies for aging in place, RESNA 95 Proceedings. June, 1995
- Mann, William C., Hurren, Dianne, Tomita, Machiko, Bengali, Minoo, and Steinfeld, Edward,. Environmental problems in homes of elders with disabilities, The Occupational Therapy Journal of Research, Vol 14, No. 3, Summer 1994

Steinfeld, Edward. (Issue Editor). Home Modifications, Technology and Disability, Fall, 1993

Steinfeld, Edward and Shea, Scott. Enabling home environments. Technology and Disability, Fall, 1993

Angelo, Jennifer and Steinfeld, Edward. Returning to work after spinal cord injury: A case study. Work, 3:3, Summer, 1993

Steinfeld, Edward and Shea, Scott. HyperHome Resource, Toronto: RESNA '92 Proceedings, June, 1992

Steinfeld, Edward and Angelo, Jennifer. Adaptive work placement: a horizontal model. Technology and Disability, Fall, 1992, pp. 1-10

Steinfeld, Edward. Counter architecture: the representation of cultural change in Reflections on Representation, proceedings of the ARCC Representation and Simulation Network Annual Conference. Buffalo, NY: School of Architecture and Planning, SUNY/Buffalo, Sept. 1991

Angelo, Jennifer and Steinfeld, Edward. Linking architecture and technology - increasing employability of persons with physical disabilities. RESNA 13th Annual Conference Proceedings, Washington, DC: Rehabilitation Engineering Society of North America. June, 1990

Andrejko, Dennis A. and Steinfeld, Edward. Climate based aesthetics: design explorations in cold regions. Proceedings of the American Solar Energy Society, Denver, CO: ASES, June, 1989

Steinfeld, Edward. Using CAD to teach architectural design. Proceedings of the ACADIA '88 Conference, Ann Arbor, MI: Association of Computer Aided Design in Architecture, October, 1988

Feuerstein, Marcia, Steinfeld, Edward, Sanford, Jon and Schiro, S.G. Hands on architecture: a typology for designers and researchers. Proceedings of the 18th Annual Conference of the Environmental Design Research Association, Washington, DC: EDRA 1987

Steinfeld, Edward. Toward artificial users. Proceedings of the 3rd International CAD Symposium, Buffalo: Department of Architecture, March, 1990

Steinfeld, Edward. Full scale modeling in architecture. Proceedings of the Architectural Research Centers Consortium 1988 Conference, Champaign, IL: ARCC, Nov. 1988

Steinfeld, Edward. ANSI A117.1 a case study in the development of a research based building accessibility standard, The Cost of Not Knowing, Proceedings of the 17th Annual Conference of the Environmental Design Research Association, Washington, DC: EDRA, 1986

Steinfeld, Edward, Richmond, G. and Sanford, J. Detectable tactile surface treatments, The Costs of Not Knowing, Proceedings of the 17th Annual Conference of the Environmental Design Research Association, Washington, DC: EDRA, 1986

Steinfeld, Edward. Physical Planning for increased cross-generation contact, in Wolfgang Preisler, (ed.), Environmental Design Research, Vol. 1, Stroudsburg, PA: Hutchinson and Ross. 1973

## **Other Publications**

- Maisel, J.L., Steinfeld, E., Basnak, M., Smith, K., Tauke, M.B. Inclusive Design: Implementation and Evaluation. London: Routledge. 2018.
- Steinfeld, A., Accessible Public Transportation: Designing Service for People with Disabilities. London: Routledge. 2018.
- Steinfeld, E. Innovation and universal design. In Trends in Universal Design, eds. Skavlid, S., Olsen, H.P. and Haugeto, A.K. Oslo: The Norwegian Directorate for Children, Youth and Family Affairs and The Delta Centre, 2013
- Steinfeld, E. Creating an inclusive environment. In Trends in Universal Design, eds. Skavlid, S., Olsen, H.P. and Haugeto, A.K. Oslo: The Norwegian Directorate for Children, Youth and Family Affairs and The Delta Centre. 2013
- Steinfeld, E. and Smith, R. Universal design for quality of life technologies. In Shulz, R. Quality of Life Technologies Handbook. CRC Press, 2012
- Steinfeld, E., and Maisel, J. Universal Design: Creating Inclusive Environments. Hoboken, NJ: Wiley, 2012
- Steinfeld, E. Public Transportation. In W. Preiser and K. Smith (eds.). Universal Design Handbook (2<sup>nd</sup> edition). New York: McGraw Hill, 2010
- Steinfeld, E., White, J. Inclusive Housing: A Pattern Book. New York: W.W. Norton, 2010
- Steinfeld, E. Universal design – practice and method. In A. Helal, et al. (eds) Engineering Handbook of Smart Technology for Aging, Disability and Independence. Hoboken: Wiley-Interscience. 2008
- Maisel, J., Smith, E. and Steinfeld, E. Increasing Home Access: Designing for Visitability. Washington, DC: American Association of Retired People. 2008
- Steinfeld, E. Education Note: The Cost of Accessible School Construction. Washington, DC: World Bank, Summer 2005
- Steinfeld, E. Assisted Living: A search for a philosophy of practice, book review of Design for Assisted Living: Guidelines for Housing the Physically and Mentally Frail By Victor Regnier, New York, John Wiley & Sons, 2002. Gerontologist, August, 2003.
- Steinfeld, E. Contributing author to Levine, D. (ed.) Universal Design New York 2, New York: City of New York Dept. of Design and Construction, 2003.
- Steinfeld, E. The Nature of Barriers, Proceedings of the Universal Design 2002 Conference, Yokohama, Japan, Nov. 30- December 2, 2002.
- Steinfeld, E. Recent United States experience – moving toward an accessible society for all, Proceedings of the International Conference on the Elimination of Architectural Barriers, Pamploma, Spain, January 17-18, 2003.
- Steinfeld, E. Universal design for urban transportation. In D. Watson, A. Plattus and R. Shibley. Time Savers Standards for Urban Design. New York: McGraw Hill, 2003, pp. 7.1-1 – 7.1.5.
- Steinfeld, Edward and Tauke, Beth. Universal designing. In Christopherson, J. and Ronnevig, T. (eds.) Teaching Universal Design – 17 Ways of Thinking and Teaching, Oslo, Norway:



Norwegian State Housing Bank, 2002

Truesdale, Steven, Steinfeld, Edward, Hannah, Bruce, Wild, John. Unlimited by Design. Buffalo, NY: RERC on Universal Design at Buffalo, 2002 (video production)

Truesdale, Steven and Steinfeld, Edward. Visitability: an approach to universal design in housing. Buffalo, NY: RERC on Universal Design at Buffalo, 2002

Steinfeld, E. Contributing author to G.S. Danford and B. Tauke (eds). Universal Design New York. New York, NY: Mayors Office for People with Disabilities, City of New York, 2001

Steinfeld, Edward. Universal design of mass transportation, Preiser, W. and Ostroff, E. (Eds.) Universal Design Handbook, New York: McGraw Hill, 2001

Steinfeld, Edward and Steinfeld, Aaron, Universal design in automobile design, Preiser, W. and Ostroff, E. (Eds.) Universal Design Handbook, New York: McGraw Hill, 2001

Steinfeld, Edward. Fair housing: Toward universal design in multifamily housing, Preiser, W. and Ostroff, E. (Eds.) Universal Design Handbook, New York: McGraw Hill, 2001

Steinfeld, Edward, Information Technology and Universal Design, The New Paradigm of Disability, Washington, DC, National Institute on Disability and Rehabilitation Research, 2001.

Steinfeld, Edward and Danford, G. Scott (eds.) Measuring Enabling Environments, New York: Kluwer Academic/Plenum, 1999

Steinfeld, Edward and Danford, G. Scott. Theory as a basis for research on enabling environments. Steinfeld, Edward and Danford, G. Scott (eds.) Measuring Enabling Environments, New York: Kluwer Academic/Plenum, 1999

Danford, G. Scott and Steinfeld, Edward. In search of methods for measuring enabling environments. Steinfeld, Edward and Danford, G. Scott (eds.) Measuring Enabling Environments, New York: Kluwer Academic/Plenum, 1999

Richmond, Gary and Steinfeld, Edward. The usability of tactile warning surfaces for people with visual impairments. Steinfeld, Edward and Danford, G. Scott (eds.) Measuring Enabling Environments, New York: Kluwer Academic/Plenum, 1999

Steinfeld, Edward and Levine, Danise. Technical Report: Changes to the CABO/ANSI A117 Standard. Buffalo: IDEA, 1998

Steinfeld, Edward and Levine, Danise, Multi Media Presentation : Changes to the CABO/ANSI A117 Standard, Buffalo: IDEA 1998

Danford, G. and Steinfeld, E. Environment Design: Enabling Technology for an Aging Society. In G. Gutman (Ed.) Technology Innovation for an Aging Society: Blending Research, Public and Private Sectors, Vancouver: Gerontology Research Center, Simon Fraser University, 1998, pp. 83-110

Steinfeld, Edward; Hagin, Jason; Shea, Scott; Levine, Danise. Fair Housing Means Universal Design: with and Emphasis on Kitchens. Buffalo: IDEA Fall, 1997. (videotape program and instructor's handbook)

Steinfeld, Edward. Architecture as a communications medium. in Higgenbottom, Jefferey and Lubinski, Rosemarie (eds.), Communication Technologies for the Elderly. New York:

Singular Press, 1997

Steinfeld, E. and Danford, Gary S. Environment as a mediating factor in functional assessment. In Dittmar, S. and Gresham, G. (Eds.) Functional Assessment and Outcome Measures for the Rehabilitation Health Professional, Gaithersburg, MD: Aspen, 1997, pp. 37-56

Steinfeld, Edward. Innovation Theory: how does an idea spread and grow. Innovation, Spring, 1997, pp 19-24.

Mullick, Abir and Steinfeld, Edward. Universal design: what it is and what it isn't. Innovation, Spring, 1997, pp. 14-18

Steinfeld, Edward; Shea, Scott and Levine, Danise. Technical Report: Home Modifications and the Fair Housing Law, Buffalo: IDEA, 1997

Steinfeld, Edward and Shea, Scott. Universal design accommodates needs of disabled, aged and general population. Housing Operations Manager, August 1996, pp 4-5 and 12-13

Steinfeld, Edward and Levine, Danise. Home Automation, IDEA: Buffalo, 1996

Steinfeld, Edward; Shea, Scott; Zannie, William; Mullick, Abir. Fair Housing Means Universal Design. IDEA: Buffalo, Winter, 1996 (videotape program and instructor's handbook)

Steinfeld, Edward. Architectural accessibility, Encyclopedia of Rehabilitation. New York: Macmillan, 1995

Steinfeld, Edward and Shea, Scott. Designing Accessible Environments. Center on Assistive Technology and IDEA: Buffalo, 1995 (computer aided instruction course)

Steinfeld, Edward and Shea, Scott. Enabling home environments: strategies for aging in place. Annual Meeting Proceedings of the Gerontological Society of America. Washington, DC. 1995

Steinfeld, Edward. A Primer on Accessible Design. IDEA: Buffalo, 1995.

Steinfeld, Edward. Technical Report: Accessible Cabinetry. IDEA: Buffalo, 1995

Shea, Scott and Steinfeld, Edward. Technical Report: Accessible Plumbing. IDEA: Buffalo, 1995

Steinfeld, Edward, Hagin, Jason, et al. Studio education through universal design. in Welch, Polly, (ed.) Strategies for Teaching Universal Design. Boston: Adaptive Environments, 1995

Steinfeld, Edward, Hagin, Jason, et al. Teaching architecture through universal design. Intersight 3. Buffalo: School of Architecture and Planning, 1995.

Steinfeld, Edward and Danford, Gary. S. Automated doors: toward universal design. The Construction Specifier. August, 1994

Grinnel, Alex; Steinfeld, Edward and others. The Cost of Accessible Housing, Washington, D.C., U.S. Dept. of Housing and Urban Development, 1993

Steinfeld, E. Toward artificial users. Evaluating and Predicting Design Performance, ed. Y.E. Kalay: 329-346. New York: John Wiley & Sons, 1992.

- Chen, Arthur; Robinson, Julia and Steinfeld, Edward (eds). Reflections on Representation: Proceedings of the ARCC Representation and Simulation Network Annual Conference. Buffalo, NY: School of Architecture and Planning, SUNY/Buffalo, Sept. 1991
- Steinfeld, Edward. Teaching accessibility design. Action on Accessibility. Center for Accessible Housing. Raleigh, NC, 1991.
- Steinfeld, Edward and Mullick, Abir. Universal design, the case of the hand. Innovation, the Journal of the Industrial Design Society of America. \_Fall, 1990.
- Steinfeld, Edward. Hands on Architecture: Executive Summary. Washington, DC: U.S. Architectural and Transportation Barriers Compliance Board, 1990
- Steinfeld, Edward. Access to buildings by disabled people. Cowan, Henry (ed.) The Encyclopedia of Building Technology, Englewood Cliffs: Prentice Hall, 1987
- Steinfeld, Edward. Adaptable housing for older people. Regnier, V. and Pynoos, J. (eds.), Housing for the Aged: Satisfactions and Preferences, New York: Elsevier, 1987
- Book review: Golant, Stephen M. A Place to Grow Old: The Meaning of Environment in Old Age. Economic Geography, Fall, 1986
- Steinfeld, Edward. Accessible housing. De Chiara, Joseph (ed.), Time Savers Standards for Residential Buildings, 1984
- Steinfeld, Edward. Human factors research on accessibility. Jan Ahlin, (ed.), Proceedings of the Swedish-American Architectural Research Conference, Stockholm: Royal Institute of Technology, 1983
- Steinfeld, Edward and Andrejko, Dennis, Aesthetics for the Cold, exhibit catalog, Buffalo: Hallwalls Gallery, Spring 1983
- Steinfeld, Edward. Technical Paper: Multiple Disabilities Through the Lifespan. Washington, DC: U.S. Architectural and Transportation Barriers Compliance Board, Spring, 1983
- Steinfeld, Edward. The scope of residential repair and renovation services and models of service delivery, M. Powell Lawton (ed.), Community Housing Choices for the Older American. New York: Springer, November 1981
- Steinfeld, Edward. The place of old age: the meaning of housing for older people, in James Duncan (ed.), Housing and Identity. London: Croom-Helm, August, 1981
- Steinfeld, Edward. Designing barrier-free communications, Architectural Record, October, 1980
- Steinfeld, Edward (primary author and editor), ANSI A117.1 (1980): Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People. New York: American National Standards Institute, Spring, 1980
- Steinfeld, Edward. Designing adaptable housing to meet barrier-free design goals, Architectural Record, March, 1980
- Steinfeld, Edward; Brecher, Stewart; Schubert, Ann and Gau, Chyi-Jou. Senior Centers: A Renovation Manual. Harrisburg: Pennsylvania Senior Center Institute, January, 1980
- Steinfeld, Edward. Designing barrier-free toilet rooms within old and new buildings,

Architectural Record, October, 1979

Steinfeld, Edward. Designing entrances and internal circulation to meet barrier-free goals, Architectural Record, July 1979

Steinfeld, Edward. Designing the site to meet barrier-free goals, Architectural Record, May 1979

Steinfeld, Edward. Residential repair and renovation services, Monica Holmes (ed.). The Handbook of Human Services for Older Persons. New York: Human Services Press, July, 1979

Aiello, James F. and Steinfeld, Edward. Accessibility for People with Severe Visual Impairments. Washington, DC: U.S. Department of Housing and Urban Development, Spring, 1979

Steinfeld, Edward. A Selected Bibliography on Barrier-Free Design. Washington, DC: U.S. Department of Housing and Urban Development, Spring, 1979

Steinfeld, Edward; Schroeder, Steven and Bishop, Marilyn. Adaptable Dwellings. Washington, DC: U.S. Department of Housing and Urban Development, Spring, 1979

Steinfeld, Edward; et.al. Barrier-Free Access to the Man-Made Environment - A Review of Literature. Washington, DC: U.S. Department of Housing and Urban Development, Spring 1979

Steinfeld, Edward; Schroeder, Steven and Bishop, Marilyn. Accessibility for People with Ambulatory and Reaching Impairments. Washington, DC: U.S. Department of Housing and Urban Development, Spring, 1979

Schroeder, Steven; Steinfeld, Edward; et.al. The Estimated Cost of Accessibility. Washington DC: U.S. Department of Housing and Urban Development, Spring, 1979

Steinfeld, Edward. Book review: Accessibility Modifications by Ronald Mace, Journal of Architectural Research, March, 1979\*

Steinfeld, Edward. Barrier free design begins to react to legislation, research. Architectural Record, 1979

Steinfeld, Edward; Holmes, Monica and Holmes, Douglas. Planning Handbook: Residential Repair and Renovation Services -- A Guidebook for State and Area Agencies on Aging. Washington, DC: U.S. Department of Health, Education and Welfare, Administration on Aging, October, 1977

Steinfeld, Edward. Major issues in developing building standards, in Michael Bednars, (ed), Barrier-Free Environments . Stroudsburg, PA: Dowden, Hutchinson and Ross, 1977

Steinfeld, Edward; Duncan, James and Cardel, Paul. Toward a responsive environment: the psychosocial impact of inaccessibility, in Michael Bednars, (ed.), Barrier-Free Environments. Stroudsburg, PA: Dowden, Hutchinson and Ross, 1977

Steinfeld, Edward; et.al. Human factors research on building standards for accessibility to disabled people, in The Behavioral Basis of Design Book 1: Selected Papers. Stroudsburg, PA: Dowden, Hutchinson and Ross, 1977

Steinfeld, Edward. Ecology and aging, in An Instructor's Handbook for the Development of a

Basic Course in Gerontology, Syracuse, NY: All-University Gerontology Center, Syracuse University, 1976

Steinfeld, Edward and Schroeder, Steven. Barrier-Free Design for the Elderly and Disabled, Syracuse, NY: All-University Gerontology Center and Center for Instructional Development, Syracuse University, 1976.

Steinfeld, Edward and Goober, Joel. Revisions to Subdivision 4 of Section 374-a, Executive Law and Section 51, Public Buildings Law, Statutes of NY State to include remodeling, reconstruction, etc. of public buildings under barrier-free provisions of the State Building Code, 1974

Pastalan, Leon, Cohen, Uriel; Haberkorn, Susan; Steinfeld, Edward; Weisman, Gerald and Windley, Paul. Man/Environmental References I - Environmental Abstracts. Ann Arbor, MI: Architectural Research Laboratory, University of Michigan, 1974

Steinfeld, Edward. Action research in man/environment relations, in Wolfgang Preisler, (ed.), Environmental Design Research, Vol. 2, Stroudsburg, PA: Hutchinson and Ross, 1973, (workshop editor)

Steinfeld, Edward. Applying man/environment research in the building development process in Housing and Environments for the Elderly, ed. by Thomas Byerts. Gerontological Society, Washington, DC, 1972

### **Technical Reports**

Steinfeld, E., Paquet, V., D'Souza, C., Joseph, C., Maisel, J. Anthropometry of Wheeled Mobility Project: Final Report, IDEA Center: University at Buffalo, 2010

Steinfeld, E., Maisel, J. and Feathers, D. Standards and Anthropometry for Wheeled Mobility, IDEA Center: University at Buffalo, 2005

Paquet, V. and Steinfeld, E. (Eds) Space Requirements for Wheeled Mobility Devices: An International Workshop, IDEA Center: University at Buffalo, 2004

Steinfeld, Edward. Education in Barrier Free Design, Buffalo: Adaptive Environments Laboratory, SUNY/Buffalo, 1990 Steinfeld, Edward. Barrier Free Storage, Buffalo: Adaptive Environments Laboratory, SUNY/Buffalo, 1990

Steinfeld, Edward and Kalay, Yehuda. The impact of CAD on representation in architecture. Conference Proceedings; Representation and Simulation in Architectural Research and Practice, Minneapolis: ARCC Representation and Simulation Network, March, 1990

Andrejko, Dennis and Steinfeld, Edward. Out of the Cold, Buffalo: Department of Architecture, 1988

Steinfeld, Edward and Feuerstein, Marcia et.al. Hands on Architecture, Buffalo: Adaptive Environments Laboratory, SUNY/Buffalo, 1987

Steinfeld, Edward, Richmond, G. et.al. Detectable Tactile Surface Treatment Project/Field Testing, 1986

Mann, William and Steinfeld, Edward (eds.) Designing and Equipping Community Residences for the Developmentally Disabled, Buffalo: Adaptive Environments Laboratory, SUNY/Buffalo, 1985

Steinfeld, Edward. A Pilot Study: Environmental Components of Accidents to Older Pedestrians, Buffalo: Adaptive Environments Laboratory, SUNY/Buffalo, 1983

Steinfeld, Edward. Pedestrian Safety for the Elderly: A State of the Art Review, Buffalo: Adaptive Environments Laboratory, SUNY/Buffalo, 1983

Kerpen, Stephen, Marshall, David and Steinfeld, Edward. Guidelines for Accessible Elementary Schools, Topanga, CA: Peoples Center for Housing Change, 1981

Steinfeld, Edward and Czaja, Sarah, Human Factors Research with Disabled Children, Topanga, CA: Peoples Center for Housing Change, 1981

Kerpen, Stephen, Marshall, David and Steinfeld, Edward. Barrier-Free New Communities, Washington, DC: U.S. Department of Housing and Urban Development, Winter, 1980

### **Published Recognition**

\_\_\_\_\_. Custom Can. Home design column on the Universal Bathroom Suite in Popular Science, February, 2002.

Pedersen, M.C. Room to move: reinventing the bathroom with fixtures that aren't bolted down. Metropolis. April, 2002. Interview on the Universal Bathroom Suite

A Sourcebook of Standards Information, ed. by Stephen Spivack and Kieth Winsell, Boston: G.K. Hall, 1991. Reprint of "A case study in the development of a research based accessibility standard" as an outstanding example of an essay on standards development.

U.S. Interagency Committee on Handicapped Research, Toward an Accessible Environment: Effective Research, Washington, DC: U.S. Architectural and Transportation Barriers Compliance Board, 1989

National Endowment for the Arts. Exemplary Design Research, 1983. Washington, DC: National Endowment for the Arts, 1983

Regnier, V. and Byerts, T.O. Applying research to the planning and design of housing for the elderly, in Housing for a Maturing Population, Washington: Urban Land Institute, 1983

Progressive Architecture, Jan., 1979. Annual Awards Issue. "New ANSI Standards Project.

### **Lectures and Presentations**

Steinfeld, E. (2018). Keynote Presentation: "The IDeA Center". UDHEIT Conference, Dublin, Ireland

Steinfeld, E. (2018) and White, J. (2018). "Innovative Solutions for Universal Design – A Workshop" UDHEIT Conference, Dublin, Ireland

Steinfeld, E. and White, J. (2018). "Innovative Solutions for Universal Design". RESNA Annual Conference, Arlington, VA

Steinfeld, E. (2018). "Universal Design for Arts and Cultural Facilities". Leadership in Education and Accessibility to the Arts Annual Conference, Austin, TX

Steinfeld, E. (2017) "Universal Design for Museums", Washington, DC, Smithsonian Institution, December In service training program – invited.

Steinfeld, E. (2017) "Beyond the ADA: Using Universal Design Principles." Great Lakes ADA Center, Ann Arbor, MI

Steinfeld, E. (2017). "Universal Design Initiative in the Arts". Pre-conference Workshop organizer and presenter, Leadership in Education and Accessibility to the Arts Annual Conference, Austin, TX Organizer and Leader.

Steinfeld, E. (2017). "A Universal Design Initiative in the Arts". Leadership in Education and Accessibility to the Arts Annual Conference, Austin, TX. Invited.

Steinfeld, E. (2017) "Serving the Needs of All through Universal Design." Automated Vehicle Symposium, San Francisco. Keynote plenary presentation – invited.

Steinfeld, E. (2017). "Innovative Solutions for Universal Design," Universal Design New York 2017. Center for Architecture, New York, NY. Invited.

Steinfeld, E. (2016). "Universal Design Initiative in the Arts". Pre-conference Workshop organizer and presenter, Leadership in Education and Accessibility to the Arts Annual Conference, Pittsburgh, PA. Organizer and Leader.

Steinfeld, E. (2016). "A Universal Design Initiative in the Arts". Leadership in Education and Accessibility to the Arts Annual Conference, Pittsburgh, PA. Invited.

Steinfeld, E. (2016). "Celebrating the ADA: The Next 25 Years". School of Architecture and Disability Studies Program, University at Buffalo. Organizer.

Steinfeld, E. "Shifting Paradigms", Annual Conference of the Association of Consultants in Access Australia, September, 2015, Keynote Presentation

Steinfeld, E. "Inclusive Urban Housing", Annual Conference of the Association of Consultants in Access Australia, September, 2015, Invited

Steinfeld, E. "Evidence Based Standards", Annual Conference of the Association of Consultants in Access Australia, September, 2015, Invited

Steinfeld, E. Haecker Award Lecture. Architectural Research Center Consortium Annual Conference. Chicago, May, 2015

Steinfeld, E. Weidemann, S. White, J. Sigal, E. "Effectiveness of design standards in improving residence hall usability and satisfaction." Architectural Research Center Consortium Annual Conference, Chicago, May, 2015

Steinfeld, E. "Changing Paradigms – The Goals of Universal Design," Centre of Excellence on Universal Design, Dublin, May, 2015

Steinfeld, E. and White, J. "Inclusive Housing: A Pattern Book." Annual Conference of the Congress for the New Urbanism, Buffalo, NY.

*Steinfeld, E. "The Goals of Universal Design," Universal Design 2012, Oslo, Norway: June, 2012*

Steinfeld, E. "Universal Design," School of Architecture, Howard University, Washington, DC: December, 2011

Steinfeld, E. "Universal Design," School of Architecture, Hampton University, Hampton, VA: May, 2011

Steinfeld, E. "Global Developments in Enabling Environments," Nordic School of Public Health, November, 2010.

Steinfeld, E. "Accessible Public Transportation Research," Transportation Research Board Annual Conference, Washington, DC: January, 2010

Steinfeld, E. "Global Developments in Enabling Environments," School of the Built Environment, University of New South Wales, December, 2009.

Steinfeld, E. Conceptual Background for Universal Design Standards, Global Universal Design Commission, Syracuse NY, May, 2008

Steinfeld, E. "Field of Dreams: Emerging Housing Choices for an Aging Society." American Institute of Architects Annual Convention, Boston MA, May, 2008

Steinfeld, E. "To Boldly Go Where No One Has Gone Before: Access in New Housing." Panelist, American Institute of Architects Annual Convention, Boston MA, May, 2008.

Steinfeld, E. "Emerging Housing Choices for an Aging Society." American Society on Aging Annual Convention, Washington DC, May, 2008

Steinfeld, E. "Accessible Communities: Accommodating our Booming Population." Invited Panelist, Congress of New Urbanism XVI, Austin, TX, April, 2008

Steinfeld, E. "From Assistive Technology to Universal Design." Panelist, Assistive Technology Industry Association, Orlando FL, February, 2008

Steinfeld, E. "Rethinking Aging in Place with Universal Design" Keynote Speaker, International Conference on Aging, Disability and Independence, St. Petersburg, FL, January, 2008

Steinfeld, E. "Advancing Universal Design" and "The Human Factors Research" Pre-Conference Program on the 21<sup>st</sup> Century Community, International Conference on Aging, Disability and Independence, St. Petersburg, FL, January, 2008

Steinfeld, E. "The Time Has Come," Invited Panelist, Congress of New Urbanism XV, Philadelphia, PA, May, 2007

Steinfeld, E. "Universal Design and Aging in Place", Friedman Conference on Physical Space and Aging, Washington University Center on Aging, St. Louis, MO, May 8, 2007

Steinfeld, E. "The Evolution of Universal Design", Clifford E. Brubaker Annual Lecture, School of Health and Rehabilitation Sciences, University of Pittsburgh, Pittsburgh, PA, May 3, 2007

Steinfeld, E. "Getting Started with Universal Design", National Association of Home Builders, Orlando, FL, February, 2007

Steinfeld, E. "Standards and Research on the Anthropometry of Wheeled Mobility," Danish Building Institute, Copenhagen, DK, September, 2006.

Steinfeld, E. "Basic Access – Myth and Realities," Invited Panelist, Congress of New Urbanism XIV, Providence, RI, May, 2006



Steinfeld, E. "Universal Design: High Interest in Your Investment. American Society on Aging", Anaheim, CA, March, 2006.

Steinfeld, E., Maisel, J., Feathers. D. "Anthropometry and Standards for Wheeled Mobility: An International Comparison", International Conference on Aging, Disability and Independence, St. Petersburg, FL, January, 2006.

Steinfeld, E. "Universal Design: High Interest in Your Investment. American Society on Aging", International Conference on Aging, Disability and Independence III, St. Petersburg, FL, January, 2006.

Steinfeld, E. "Emergency Evacuation of People with Disabilities", Scholarship on Homeland Security Conference: Exploring the Intellectual Territory", Rockefeller Institute, Albany, NY, Fall, 2005

Steinfeld, E. "International Standards and Research in Accessibility," North American Information Sharing Meeting, U.S. Access Board, Washington DC, July, 2005

Steinfeld, E. "Space Requirements for Wheeled Mobility," Emergency Evacuation from Buildings, Interagency Committee on Disability Research, Rockville, MD, October, 2004

Steinfeld, E. "An Accessible Society for All: The Case for Universal Design" Carnegie Mellon University, Departments of Robotics and Architecture, April, 2004.

Steinfeld, E. "Moving Toward an Accessible Society for All," Shizuoka University of Art and Culture, Hamamatsu, Japan, January, 2004.

Steinfeld, E. "Ingress and Egress from Vehicles," Wheeled Mobility and Accessible Transportation Summit, Interagency Committee on Disability Research, Rockville, MD, 2003.

Steinfeld, E. and Tauke, B. "Reflection and Critique on Universal Design," ACSA Annual Meeting, Louisville, Kentucky, March, 2003

Steinfeld, Edward. "Recent United States Experience – Moving Toward an Accessible Society for All," International Conference on the Elimination of Architectural Barriers, Pamplona, Spain, January 17-18, 2003, (keynote speaker)

Steinfeld, Edward. "The Nature of Barriers," Universal Design 2002 Conference, Yokahoma, Japan, Nov. 30- December 2, 2002, (keynote speaker)

Steinfeld, Edward. "Anthropometry of Disability", Universal Design 2002 Conference, Yokahoma, Japan, Nov. 30- December 2, 2002

Steinfeld, E. "Anthropometry for Universal Design." Research Symposium, RESNA Annual Conference, Minneapolis, MN, June, 2001

Steinfeld, E. "Visitability: Architectural Issues." Congress of New Urbanism Annual Conference, Miami Beach, FL, June, 2002

Steinfeld, E. "Design for Social Responsibility." Shaarey Zedek Synagogue Speaker Series on Jewish Influence on the Arts, Amherst, NY, December, 2001

Steinfeld, E. "Universal Design – Key issues for architectural research." Guest lecture in Graduate Architecture Class, University of Michigan, Ann Arbor, MI, December, 2001

Steinfeld, E. "Universal Design: the ADA of the 21<sup>st</sup> Century." DBTAC Region 2 Training Conference, Newark, NJ, October, 2001

"On the Nature of Barriers," Integrating Differences Conference, New York, New York, Fashion Institute of Technology, October, 2001

Anthropometrics of Wheelchair Users with Jim Lenker, Victor Paquet, David Feathers, Jana Polzin, RESNA Annual Conference, Reno, NV, June 2001

Full Scale Modeling as an Anthropometrics Research Method. Anthropometrics of Disability Conference, Buffalo, NY, RERC on Universal Design, Spring 2001

"Prototype Anthropometrics Database Project," RESNA Annual Conference, Orlando, June, 2000.

"Post Occupancy Evaluation Methods," and "Prototype Anthropometrics. Database Project," Design for the 21<sup>st</sup> Century II, Providence, RI, June, 2000.

"Housing in the Universal City," AARP, Rochester, NY, May, 2000

"The Concept of Visitability in Housing," Housing for All Conference, Rochester Institute of Technology, April, 2000.

"Information Technology and Universal Design," New Paradigm Conference, National Institute on Disability and Rehabilitation Research, Bethesda, January, 2000.

Universal Design All Day Long, Kurasawa Design School, Tokyo, Japan, Oct. 1999.

New Developments in Universal Design, Ministry of Construction, Tokyo, Japan, Oct. 1999.

International Seminar on Universal Design, Tokyo, Japan, keynote speaker and panelist, Oct. 1999.

"On the Nature of Barriers," Universal Design in the City Conference, Winnipeg, Canada, keynote lecture, Sept. 1999

"Housing in the Universal City," Universal Design in the City Conference, Winnipeg, Canada, Sept. 1999

"Universal Design of Transportation in Curitiba, Brazil," International Federation on Aging, Montreal, Canada, September, 1999

"Housing for Aging Baby Boomers," Boston Architectural Center, May, 1999,

"Housing in the Universal City," Universal Cityscapes Conference," sponsored by AARP, MetLife, NYC Office on Aging and the National Design Museum, New York, NY, March, 1999

"On the Nature of Barriers," Spring Lecture Series, School of Architecture and Planning, SUNY/Buffalo, Buffalo, NY, February, 1999.

"Public Transportation in Curitiba Brazil," Designing for the 21<sup>st</sup> Century Conference, June, 1998, International Conference on Universal Design, Hofstra U., Spring, 1998.

"Universal Design as Innovation," Designing for the 21<sup>st</sup> Century Conference, June, 1998, International Conference on Universal Design, Hofstra U., Spring, 1998.

"Overview" and "Circulation and Reach Range," Special Interest Forum on Changes to CABO/ANSI A117.1. Washington, DC, July, 1977

"Measuring Enabling Person-Environment Transactions," EDRA 28<sup>th</sup> Annual Conference, Montreal, April, 1997.

"Architecture and Disability: Measuring Handicapping/Enabling Environments," ARCC Annual Conference, Atlanta, April, 1997

"Case Studies of Home Modification", Special Interest Forum on Home Modifications and the Fair Housing Law, Association of Safe and Accessible Products. Washington, DC. April, 1996.

"Innovative Technology" and "Proposed Changes to CABO/ANSI A117.1" Special Interest Forum on Plumbing, Association of Safe and Accessible Products. Taylor, Michigan. October, 1995.

"Enabling Home Environments: Strategies for Aging in Place," Annual Meeting of the Gerontological Society of America. Washington, DC. November, 1995.

"Methods for Measuring the fit between Person and Environment" Form and Function Conference, Uniform Data Systems, Buffalo, NY July, 1995.

"Enabling Home Environments: Strategies for Aging in Place," RESNA 95, June, 1995.

Panelist, "What's New in Functional Assessment," RESNA '95, June, 95 (Invited).

"A Prototype Adaptable Vanity" Special Interest Forum on Accessible Cabinetry, Association for Safe and Accessible Products, Washington, DC. , June, 1995 (Invited).

Panelist, Mini White House Conference on Aging, Center on Assistive Technology, Buffalo, NY, February, 1995

"A Case Study in Universal Design" Special Interest Forum on Aging in Place. Association for Safe and Accessible Products, Washington, DC. December, 1994.

"Theory as a Basis for Research on Handicapping Environments," Measuring Handicapping Environments Conference, RRTC on Functional Assessment, Buffalo, NY., June, 1994 (Invited).

"The Concept of Universal Design," Sixth Annual Ibero-American Conference on Accessibility, Rio de Janeiro, June, 1994 (Invited).

"Home Modifications for the Elderly", School of Architecture, Florida A & M University, April, 1994 (Invited).

"Breaking Down Barriers-An Architecture of Liberation", School of Architecture and Planning, U. of Wisconsin-Milwaukee, March, 1994 (Invited).

"HyperHome Resource", RESNA '93, Las Vegas, NV, June, 1993. Panelist "Universal Design", Atlanta, GA, National Kitchen and Bath Association, May, 1993 (Invited).

"Full Scale Simulation Research on Bathrooms", N.E. Regional RESNA Meeting, April 1993.

"Home Modifications: Some Principles of Practice", Andrus Gerontology Center, U. of Southern California, Los Angeles, CA, Jan. 1993 (Invited).  
 Panelist. "The Americans with Disabilities Act". 1992.

Panelist. Universal Design: Access to Daily Living Conference, New York: May 1992 (Invited).

"The ADA - What Architects Need to Know". Western New York Chapter of the American Institute of Architects, Buffalo: May 1992 (Invited).

"Counter Architecture", History and Analysis of Disability Network meeting, Buffalo: Nov. 1991 (Invited).

Workshop Presenter. "Universal Design". New York Association of Independent Living Centers Annual Conference, Nov. 1991 (Invited).

"Counter Architecture", ARCC Representation and Simulation Network Annual Conference, Buffalo: Sept. 1991.

"Architectural Accessibility and the Americans with Disabilities Act," The ADA of 1990. Speaker, Rochester, NY: Northside Surgical Supply, Rochester Rehabilitation Center, N.Y. State VESID, Nov. 28, 1990.

"How Rehabilitation Can Impact on Business", The ADA Means Good Business. Panel member, Rehabilitation Association of Western New York, Buffalo, NY. November 8, 1990.

"The Impact of CAD on Representation in Architecture", ARCC Representation and Simulation Conference, Minneapolis, MN, March, 1990

"Toward Artificial Users", 3rd Annual International CAD Symposium, SUNY Conference in the Disciplines, Buffalo, March, 1990

"Adaptive Housing: Design Features that Work for the Frail Elderly", Senior Housing in the 1990's, Plenary Speaker, NY State Office on Aging and NY State Division of Housing and Community Renewal, Albany, NY, February, 1990 (Invited).

"Environmental Design Professions". Technology Access for Individuals with Disabilities. SUNY Conference in the Disciplines, Buffalo, NY, November, 1989

Panelist, Workshop on Adaptable Housing, "On the Cutting Edge" Conference, EPVA, May, 1989 (Invited).

"Climate Based Aesthetics: Design Explorations in Cold Regions," Annual ASES Conference, June, 1989

"Using Computers to Teach Architectural Design," ACADIA '88, Ann Arbor, MI, October, 1988

Workshop Presenter, "Accessible Housing for the Disabled" Eastern Paralyzed Veterans Association, Buffalo, NY, 1988 (Invited)

"Research on Accessibility", Key speaker in a special program for an official delegation from the Peoples Republic of China, Paralyzed Veterans of America, Washington, DC., 1987 (Invited)

"Hands on Architecture", Environmental Design Research Association Annual Meeting, Ottawa, Canada., 1987

Guest Lecture, U. of Illinois, Housing Research and Development Program and Rehabilitation Education Program, U. of Illinois/Champaign-Urbana, 1986 (Invited)

Speaker, Symposium on Building Regulations and Systematic Inquiry, Environmental Design Research Association Annual Meeting, Atlanta, Ga., 1986 (Invited)

"Detectable Tactile Surface Treatments", Annual Meeting of the Environmental Design Research Association, Atlanta, GA., 1986

"A Prototype for Rural Housing for the Elderly", Congregate Housing Conference, Forcash Foundation, Chicago, 1984 (Invited)

"The Vulnerable Elderly": Factors in Environmental Stress. " Annual Conference of the Western New York Network on Aging, SUNYAB, Amherst, New York, Nov., 1983 (Invited)

"Human Factors Research on Accessibility", Swedish-American Architectural Research Conference, Stockholm, June, 1982 (invited)

"Human Factors Research on Accessibility", Forum on Design of Living Environments for Older Americans, Human Factors Society 25th Annual Meeting, Rochester, NY, October 1981 (invited)

"Human Adaptation to Cold Region Climates", Building in the Snow Belt Conference, Department of Architecture, SUNY-Buffalo, March 1981

Guest Lecturer, Department of Landscape Architecture, University of Minnesota, Minneapolis, MN, February, 1981 (Invited)

Speaker, workshop on Accessible Housing, New York State Association of Home Economists, Bi-Annual Meeting, May, 1980 (Invited)

Speaker, Access to Awareness Conference, Toronto, Ontario March of Dimes, September, 1979 (Invited)

"Current Trends in Barrier-Free Design", Northern Virginia Health Care Association, keynote speaker at annual conference, Williamsburg, VA, March, 1979 (Invited)

Discussion Leader, Task Force on Life Safety for the Handicapped, December, Washington, DC, 1978 (Invited)

Participant, Institute on State Housing Policy for the Elderly, New York State Office on Aging, Division of Housing and Community Renewal and Department of State, October 1978 (Invited)

Workgroup Leader, Regional Workshop on Barrier Free Design, New York State Office of the Advocate for the Disabled, October 1978 (Invited)

"Acting Toward the Environment in Old Age", 5th Annual SAGE Conference (State Association of Gerontological Educators) October, 1977 (Invited)

"Development of Accessibility Standards", Federal Workshop on Design Constraints for the Physically Handicapped, National Bureau of Standards, Center for Building Technology, June 1977 (Invited)

Resource Panelist, Housing Workshop, White House Conference on Handicapped

Individuals, May, 1977 (Invited)

"Learning from Bedlam", Order and Disorder in Architecture", Faculty Lecture Series, School of Architecture, Syracuse University, March, 1977

"Human Factors Research on Building Standards for Accessibility to Disabled People", Environmental Design Research Association's Seventh Annual Conference, Vancouver, BC, 1976

"Barrier-Free Design", Conference on the Needs of Mentally and Physically Impaired Elderly People, New York State Office on Aging, Syracuse, NY, March, 1977 (Invited)

"Building Products for Accessibility" Industrial Design Seminar on Accessibility, sponsored by the Industrial Design Society of America and the President's Committee on Employment for the Handicapped, Washington, DC, November, 1976 (Invited)

"The New ANSI Standards Project", College of Architecture and Urban Planning, Doctoral Program in Architecture, University of Michigan, Ann Arbor, MI, October, 1976 (Invited)

"The Well-Ordered Building: Architecture as Social Reform", College of Architecture and Urban Planning, Undergraduate Program in Architecture, University of Michigan, Ann Arbor, MI, October 1976 (Invited)

Lecturer, Faculty Development Workshop, Puerto Rico Gericulture Commission, presentation on housing and community planning issues for the elderly to selected faculty of six Puerto Rican Universities, December, 1975

Research on Accessible Housing", National Easter Seal Society's Annual Conference, Louisville, KY, November, 1975 (Invited)

"Research on Accessible Housing", President's Committee on Employment for the Handicapped, Washington, DC, September, 1975 (Invited)

"Task Environments for Access", Environmental Design Research Association Annual Meeting, Lawrence, KA, May, 1975 (Invited)

"Needs and Constraints in Nursing Home Environments", National Association of Social Workers, Conference on Long-term Care, Syracuse, NY, 1974 (Invited)

"A Self-Instructional Learning Module on Barrier-Free Design". Environmental Design Research Association's Fifth Annual Conference, Milwaukee, WI, 1974

Visiting Lecturer, School of Architecture, University of Illinois, Spring, 1974

"Action Research in Man/Environment Relations", workshop chairman, Environmental Design Research Association's Fourth Annual Conference, Blacksburg, VA, 1973

"Man/Environment Research and the Facilities Development Process", Housing and Environment for the Elderly Conference, San Juan, PR, 1971 (Invited)

Visiting Lecturer, Department of Design and Environmental Analysis, College of Human Ecology, Cornell University, Spring, 1971

"Empathic Model Project", annual meeting of the Gerontological Society, Houston, TX, 1971, (principal presenter: Leon A. Pastalan)

## Professional Service

Member, Beth Tzedek Synagogue, New Building Coordinating Committee, 2016

Member, Rail Vehicle Accessibility Advisory Committee, U.S. Access Board, 2013-present

RESNA representative to ICC/ANSI A117 Committee, 2012 – present

Board of Directors, RESNA, 2011-2014

Board of Directors, Global Universal Design Commission, 2008-2015

Scientific Advisory Panel, Total Quality of Life Engineering Research Center, Carnegie Mellon U. and U. of Pittsburgh, 2007-2012

Task Group Member, Type C Units. ICC/ANSI A117 Committee, 2007-08

Advisory Panel, Freedom by Design, American Institute of Architects Student Association, 2007-2009

Co-Organizer, Pre-Conference Program on the 21<sup>st</sup> Century Community, ICADI Conference, St. Petersburg, FL, January, 2008

Co-Organizer, Track on Livable Communities, ICADI Conference, St. Petersburg, FL, January, 2008

Organizer, Symposium on Aging in Place, FICCDAT Conference, Toronto, ON, June, 2007

Co-Organizer, Track on Universal Design and Home Modifications, ICADI 06 Conference, St. Petersburg, FL, January, 2006

Organizer, Symposium on Home Modifications Policy and Practice, ICADI 06 Conference, St. Petersburg, FL, January, 2006

Board of Directors, National Home Modifications Action Council, 2004 – 2007

Advisory Council. Home Modifications Awareness Week, National Reverse Mortgage Lenders Association, 2003

Senior Services Advisory Board, Town of Amherst, 1998 - 2004

CABO/ANSI A117 Committee (Accessible and Usable Buildings and Facilities), Council of American Building Officials, 1995 - 1999

Chairman of the Board (founding), Association of Safe and Accessible Products, 1992-1998

Board of Directors, Western New York Independent Living Center, 1989 - 1995

Community Advisory Committee, McGlaughlin Center, DeGraff Memorial Hospital, 1990-1991

Graduate Group on Disability Research, SUNY/Buffalo, 1990-1993

Core Faculty, Multidisciplinary Center on Aging, 1989-1993

Architectural Research Centers Consortium, Representation and Simulation Network, Newsletter Co-Editor, 1989-1990

Board of Directors, B'nai Brith Hillel Foundation, Buffalo, NY 1986-1992, President, 1989-92.

Task Force on Accessible Housing, N. Y. State Department of Housing and Community Renewal, 1981-1984

Environmental Planning and Design Committee, American Association of Homes for the Aged, 1976-1978

Secretary, ANSI A117 Committee (Making Buildings and Facilities Accessible to Physically Handicapped People), American National Standards Institute, 1976-1984

Community Health Information and Planning Service, Long Term Care Review Committee, Onondaga County, NY, 1974

### **University Service**

Chair, Divisional Committee, School of Architecture and Planning, 2015-present

Graduate Research Group on Inclusive Design, Dept. of Architecture, SUNY-Buffalo, 2007-Present.

Research Advisory Committee, Office of the Vice President for Research, State University of New York at Buffalo, 2006-2013

Faculty Advisor, Freedom by Design, Buffalo Chapter. AIAS, 2006

Planning Committee, Strategic Strength in Health and Wellness across the Lifespan, UB 2020, 2006-2007

Faculty Counselor, Association of Collegiate Schools of Architecture, 2004 – 2006

School of Architecture and Planning, Sponsored Programs Committee, Chairman, 1994 - 1995.

Architecture Chairperson Search Committee, Chairman, 1993-1994,  
Access Priorities Committee, State University of New York at Buffalo, 1991-1992

Promotion and Tenure Committee, School of Architecture and Planning, 1980 – present,  
Chairman, 1989, 2012.

Dean's Search Committee, School of Architecture and Planning, 1987-88

Promotion and Tenure Committee, Department of Architecture, State University of New York at Buffalo, 1983-present, Chairman, 1984-85

Search Committee, Department of Architecture, State University of New York at Buffalo, 1981-1982, 1986, 1990, 1995-96; Chairman, 1983-84

Curriculum Committee, Department of Architecture, State University of New York at Buffalo, 1978-82, 88-89, 93, Chairman 1980-1982, 1991- 1995, 1999-2005

Section 504 Committee, State University of New York at Buffalo, 1978-1980

Research Committee, Department of Architecture, State University of New York at Buffalo, 1978-1981; Chairman 1978-1980

Research Cabinet, Secretary, All-University Gerontology Center, Syracuse University, 1975-1976

University Task Force on Handicapped Students, Syracuse University, 1975-1976



Reappointments, Promotions and Tenure Committee, School of Architecture, Syracuse University, 1975-1976

Graduate Program Committee, School of Architecture, Syracuse University, 1975

University Senate, Syracuse University, Fall, 1975

### **Sponsored Research**

Principal Investigator, PIN Entry Project, Diebold, Inc. 2016

Principal Investigator, Rehabilitation Engineering Research Center on Universal Design and the Built Environment, Sponsored by the U.S. Dept. of Education, National Institute of Disability and Rehabilitation Research, 2015-2020.

Principal Investigator, Universal Design Standards for Work Environments, Georgia Institute of Technology, 2014-2016

Co-Principal Investigator, Usability Testing of Small Busses, Champion Corporation, 2015

Co-Principal Investigator, Usability Testing of ATM Machines, Diebold, Inc., 2013-2014

Co-Principal Investigator, Rehabilitation Engineering Research Center on Universal Design and the Built Environment, Sponsored by the U.S. Dept. of Education, National Institute of Disability and Rehabilitation Research, 2010-2015.

Co-Principal Investigator, Rehabilitation Engineering Research Center on Accessible Public Transportation, Sponsored by the U.S. Dept. of Education, National Institute of Disability and Rehabilitation Research, 2013-2018.

Co-Principal Investigator, Rehabilitation Engineering Research Center on Accessible Public Transportation, Sponsored by the U.S. Dept. of Education, National Institute of Disability and Rehabilitation Research, 2008-2013.

Principal Investigator, Rehabilitation Engineering Research Center on Universal Design and the Built Environment, Sponsored by the U.S. Dept. of Education, National Institute of Disability and Rehabilitation Research, 2005-2010.

Co-Project Director. Wheeled Mobility Devices Project, Sponsored by the U.S. Access Board,. Fall 2002 – 2010.

Project Director, Universal Design Guidelines 2, Sponsored by the City of New York, 2002

Project Director, Universal Access and Visitability Provisions of the Santa Monica Municipal Code, City of Santa Monica, 2002

Project Director, Universal Design Guidelines Project, Sponsored by the New York City Mayor's Office for People with Disabilities, 2001

Project Director, Rehabilitation Engineering Research Center on Universal Design at Buffalo, Sponsored by the U.S. Dept. of Education, National Institute of Disability and Rehabilitation Research, 1999-2005.

Co-Project Director, Universal Bathroom Project, Sponsored by the U.S. Dept. of Education, National Institute of Disability and Rehabilitation Research, 1997-1999

Project Director, Assistive Devices for the Car, Rehabilitation Engineering Center on Aging, 1996-2001

Project Director, Fair Housing Means Universal Design I and II, Sponsored by U.S. Dept. of Housing and Urban Development, 1994-96; 1995-97.

Co-Director, Universal Design Criteria, Rehabilitation Engineering Center on Universal Design, 1994-99.

Co-Director, Measuring Handicapping Environments, Rehabilitation Research and Training Center on Functional Assessment, 1993-97.

Project Director, Universal Design Education Project, School Grant, sponsored by Adaptive Environments Center, 1993-94, 1995-96.

Project Director, Consumer Advocacy Project, Sponsored by Paralyzed Veterans of America, 1992-present.

Project Director, Automated Doors, Sponsored by U.S. Access Board, 1992-93.

Individual Project Grant, National Endowment for the Arts, Design Arts Program, 1991-92.

Board of Managers and Project Director of two research projects, Rehabilitation Engineering Research Center on Aging, sponsored by U.S. Department of Education, National Institute on Disability and Rehabilitation Research, 1991-96.

Co-Project Director, EXTEND: Adapting Environments for Work Placement, sponsored by the U.S. Social Security Administration, 1990-92

Project Director, SUPPORT: Adapting Environments to People with Developmental Disabilities, sponsored by JN Adam Developmental Center, 1989-1991

Faculty Team. Applied Study, Sponsored by U.S. Dept. of Health and Human Services, and N.Y. State Office of Mental Retardation and Developmental Disabilities, 1990-present.

Core Research Team, Less Restrictive Housing Environments; sponsored by the National Institute for Handicapped Research, subcontract through Barrier Free Environments, Inc., 1986-1989

Co-Project Director, Intelligent Building Product Specifications, sponsored by SUNY Research and Development Fund, 1987

Co-Investigator, J.N. Adams Group Residence Project, sponsored by the NY State Dept. of Mental Retardation and Developmental Disabilities, 1985

Project Director, LABS - Organized Research Center Planning Grant; sponsored by the SUNY Research Foundation, 1985

Project Director, Hand Anthropometrics, sponsored by the U.S. Architectural and Transportation Barriers Compliance Board, 1984-87

Co-Project Director, Out of the Cold; sponsored by the National Endowment for the Arts, 1984-1988

Project Director, Field Experiments on Detectable Tactile Surface Treatments; Subcontract

through Georgia Tech Research Institute from U.S. Architectural and Transportation Barriers Compliance Board, 1984-85

Project Director, Aesthetics for the Cold Exhibit; sponsored by the New York State Council on the Arts, 1983

Principal Investigator, Environmental Components of Pedestrian Accidents; sponsored by the Governor's Traffic Safety Committee (N.Y. State) ,1983

Project Director, Computerized Space Inventories; sponsored by the State University of New York Research Foundation, 1982-1983

Project Director (for Peoples Center for Housing Change): Guidelines for Making Elementary Schools Accessible to Physically Handicapped Children; sponsored by the Bureau of Education for the Handicapped, U.S. Department of Health, Education and Welfare, 1979-1981

Project Director, Renovation of Buildings for Use as Senior Centers; sponsored by Pennsylvania Senior Center Institute, June, 1979 to December, 1980

Researcher (for Community Research Application, Inc.): Case Studies of Service Supported Housing for the Elderly; sponsored by the U.S. Department of Health, Education and Welfare, 1978-1979

Project Director, Dynamics of Imageability of the Built Environment for the Non-Visual Traveler; sponsored by the Syracuse University Senate Research Fund, 1978

Co-Project Director (for Peoples Housing Inc.): "Barrier-Free Villages in New Communities", research and technical assistance to two Title 7 new communities in planning and design of villages to be accessible to disabled people; sponsored by the U.S. Department of Housing and Urban Development, October, 1976 to December 1977

Researcher (for Community Research Applications, Inc.): Residential Repair and Renovation Services to Improve the Quality of Housing in which Older People Live; as part of contract from the U.S. Department of Health, Education and Welfare, October, 1976 to October 1977

Project Director, New ANSI Standards Research Project: sponsored by the U.S. Department of Housing and Urban Development, 1974-1979

Project Director . Consumer information needs for Industrialized Housing, Center for Building Technology, National Bureau of Standards, Washington, DC, Fall, 1974.

Project Director, Self Instructional Learning Module in Barrier-Free Design; Syracuse: Syracuse University All-University Gerontology Center, sponsored by the Gerontological Society, 1973

### **Continuing Education Programs**

Steinfeld, E. "Universal Design Initiative for Arts and Cultural Organizations", Smithsonian Institution, December, 2017.

Steinfeld, E. "Beyond the ADA," Great Lakes ADA Center and the University of Michigan College of Engineering, September, 201.

Steinfeld, E. "Current Research on Accessibility." Western NY Chapter, American Institute of Architects, August, 2008.

Steinfeld, E. "Housing and Community for an Aging Society," New York City Chapter, American Institute of Architects, Nov. 2006

"Unlimited by Design," WNY Chapter, American Institute of Architects, March, 2003

"Visitability Basics," Pittsburgh Chapter, American Association of Architects, February, 2003

"Universal Design, the ADA of the 21st Century," New York State Association of Architects Annual Conference, Buffalo, NY, Oct. 2002

Instructional Course on Home Modifications Design, RESNA 2001, June 2001

Steinfeld, E. "Universal Design: the ADA of the 21st Century." DBTAC Region 2 Training Conference, Newark, NJ, October, 2001

Steinfeld, E. "Visitability: Architectural Issues." Congress of New Urbanism Annual Conference, Miami Beach, FL, June, 2002

New York City Housing Authority, development of CD ROM based instructional materials and series of lectures on compliance with the ADA and Section 504, including UFAS, 1999-2001 (8 programs)

Measuring Fit between Person and Environment. Cleveland VA Medical Center, Program on Functional Electrical Stimulation, In Service, summer, 1997

Moderator and Speaker, CABO/ANSI A117.1 1997 Standard, Special Interest Forum sponsored by the Association of Safe and Accessible Products, Washington, DC, June 1997. (18 CE Units for AIA Members)

Universal Design Seminar, American Institute of Architects Capitol District Chapter , Continuing Education Program, Albany, NY, May, 1997

ADA Products and Systems Seminar, American Institute of Architects Convention, Atlanta, GA, 1995.

Workshop on Environmental Design for Older Disabled People, sponsored by Rehabilitation Engineering Center on Aging, Nashville, TN: RESNA Annual Conference, 1994.

Workshops on Design of Assistive Devices and Environmental Interventions for Older Disabled People, sponsored by Rehabilitation Engineering Center on Aging, Buffalo, NY: SUNY/Buffalo, Spring 1992; Toronto Canada: RESNA Annual Conference, Spring 1992; Washington, DC: Gerontological Society Annual Conference, Fall 1992; Las Vegas, NV: RESNA Annual Conference, Spring 1993; Seattle, WA: American Occupational Therapy Association, Spring 1993.

Foundation for Long Term Care, Instructor, Tender Loving Space, May 1982

University of Minnesota, Division of Conferences: instructor, Tender Loving Space, February, 1981

North Country Gerontology Center, Saranac Lake, NY, Continuing Education Program: Instructor, Tender Loving Space - Effective Environments for Older Persons, October 1980

Rochester Institute of Technology, Continuing Education Program: Instructor, Tender Loving Space - Effective environments for Older Persons, May, 1980, 1986

State University of New York at Buffalo, Department of Architecture and Western New York Chapter American Institute of Architects: Instructor, Continuing Education Program, Housing for Older Persons, May 1980

Instructor, "Design for the Elderly Seminar", Pennsylvania Chapter of the American Institute of Architects, September, 1979

New England Gerontology Consortium, Summer Institute: Instructor, Tender Loving Space - Effective Environments for Older Persons, July 1979.

Syracuse University, All-University Gerontology Center, Summer Institute: Instructor in Environments for Older Persons, August, 1978

New England Gerontology Center, Summer Institute: Instructor in Tender Loving Space - Effective Environments for Older Persons, July, 1978

University of Colorado, Department of Architecture: faculty development workshop on Design for Elderly and Disabled People, February 1978

### **Design and Technical Assistance**

Lakeman Residence, West Seneca, NY, with Danise Levine, constructed, 2005

IDEA Center, SUNY/Buffalo: renovation and interior design of Center facilities, constructed, 1999.

Gardella residence, Buffalo, NY, with Danise Levine, renovation and large addition to home for a family with a child who has a severe disability, constructed, 2004.

Interior design of Technology Demonstration Campus, WNY Independent Living Center, Buffalo, NY, with Jason Hagin, 1996 (not constructed).

Design of Indemax Technology Demonstration Home, Rochester Independent Living Center, with Jason Hagin, Rochester, NY, 1996 (not constructed).

Demjeneko Residence, Pennfield, NY: new single family residence, project design with Scott Shea and David Galbo, Pennfield, NY, constructed Fall, 1996.

Engine #16 Project, Buffalo, NY: 9 unit apartment building for severely disabled residents, project designer as consultant to Trautman Associates, Buffalo, NY, constructed, Spring 1995

Ferncliff Garden, Rochester NY: 24 unit Section 811 apartment building for severely disabled residents, project designer as consultant to Sear-Brown Group, constructed, Spring 1994.

S.T.E.L. - Geriatric Community Residence, Dunkirk, NY, project designer as consultant to Trautman Associates, Buffalo, NY, constructed, January, 1991

Sylvia Residence, W. Tisbury, MA: design of vacation house, 1988

LEO Enterprises, Buffalo, NY: design of modifications to existing real estate office, technical assistance on building code variance, 1987-88

Bidwell Development Corporation, Buffalo, NY: architect for adaptive re-use of building as housing for disabled and elderly people, 1987 (not constructed)

Slavin/Schramm Residence, Buffalo, NY: architect for major accessibility renovation to 3

family apartment building, constructed, 1989

Bunker Residence, Buffalo, NY: addition and entry renovation, constructed, 1986

Fink Residence, Pittsburgh, PA: architect for major accessibility renovation, (joint venture with HS/DS Associate, Winter, constructed, 1985

Torah Center, Buffalo, NY; architect for general rehabilitation and renovation of interior/exterior, constructed, 1984

Rural Housing for Older People; concept design for prototypical project incorporating self-help construction and energy conscious design, Rensselaerville Institute, Rensselaerville, NY, 1984 (with Dennis A. Andrejko and Associates)

Brock, Schechter, Polokoff, Buffalo, NY, CPA's: interior design for new office, Winter, constructed, 1983-84

Andrews Store, Summit Park Mall, Wheatfield, NY: architect for new storefront (with Stewart Brecher) (not constructed)

Temple Shaarey Zedek, Amherst, NY: designer of new addition and renovation of sanctuary, constructed, 1982

Chautauqua Home Rehabilitation and Improvement Corporation, Mayville, NY: architect for rural housing project, 16 low-income units for the elderly, (project not constructed)

Eastern Arts, Inc., Boulevard Mall, Amherst, NY: architect for new store, Fall-Winter, constructed, 1980 (with Stewart Brecher)

Pennsylvania Senior Center Institute: technical assistance to 10 senior centers on building renovation needs and plans, 1980

Linwood-Oxford Association: architect for renovation of deteriorated historic building for use as association's headquarters, constructed, 1980 (with Stewart Brecher)

William Cochran and Associates, AIA, Washington, DC: design of survey for Section 503 technical assistance, 1976

Health Services Planning Association, Syracuse, NY: with Ellen Steinfeld and Michael Pollak, Photomurals for Chestnut Ridge Family Health Center, Radisson, NY, installed, 1976

Voivaditch vacation house, Put-In Bay, Ohio: with Randall Lasky, constructed, 1973

## **Consultation**

Lipsitz Green Scime Cambria, Attorneys, Buffalo, NY. Expert consultation on personal injury case, 2017 - present

Edlestein Faegenburg and Brown Attorneys, New York, NY, Expert consultation on personal injury case, 2017 – present.

Parker Hanski Attorneys, New York, NY. Expert consultation on ADA Title III cases, 2017-present

James Myers Attorney, Amherst, NY. Expert consultation on personal injury case, 2017 – present.

Martin Oberman, Attorney at Law, Chicago, IL. Expert consultation on personal injury case, 2017.

Miles and Stockbridge Attorneys, Baltimore Maryland, expert consultation on Fair Housing Accessibility case, 2017

Spears and Imes Attorneys, New York, NY, expert consultation on Fair Housing cases, including related accessibility issues, 2009 - present

Wallace Schneider, Attorneys, expert witness on ADA Title II cases, 2003 - present

Smith, Wowk, Solicitors, expert witness for personal injury cases, 2005-2007

Fish and Neave, Attorneys, expert consultation on ADA Title III case, 2001-2005

Gordon and Rees, Attorneys, expert witness on ADA Title II case, 1999-2001

Universal Designers and Consultants, Inc., development of software for completing access audits for compliance with the ADA Title III and state accessibility codes, consultation on development of survey form, development of survey reports, survey of state building code requirements, 1999 - 2001.

New York City Housing Authority, expert consultant on plans to renovate housing units and public spaces to comply with section 504 and the ADA, 1998-2001.

AD/AS, consultation on design of adaptable laboratory workbench, 1997.

Cleveland VA Medical Center, FES Center, consultation on assessment methodology for evaluation of an assistive device, 1997 - 1999

Bouvier O'Connor, Attorneys, Buffalo, NY: expert consultation in school accessibility cases and a university ADA complaint, 1995-2008.

Renaldo, Myers, Regan and Palumbo, Attorneys, Williamsville, NY: expert consultation on personal injury case, 1995.

U. S. Department of Justice, Washington, DC: expert consultation on Fair Housing accessibility case, 1995

Litvin, Blumberg, Matusow and Young, Attorneys, Philadelphia, PA: expert consultation on personal injury cases, 1994- 1996.

Levin, Middlebrooks, Mabie, Thomas, Mayes and Mitchell, Attorneys, Pensacola, FL: expert consultation on two personal injury cases, 1994-95.

Hamsher and Valentine, Attorneys, Buffalo, NY: expert consultation on personal injury case, 1995

Bouvier, O'Connor, Attorneys, Buffalo, N.Y.: expert consultation on school accessibility case, 1994 - 1997.

Hurwitz and Fine, Attorneys:Expert Consultant on personal injury case, 1993.

Building Analytics, Glendale CA: Consultant on ADA Title II accessibility audit of the California State University System, 1992-93

Steven Winter Associates, New York, N.Y.: Consultant on a study of the cost of meeting the Fair Housing Accessibility Guidelines, 1991.

Bouvier, O'Connor, Buffalo, N.Y.: expert consultation on personal injury case, 1991-1993.

Houston, Hamilton and Lownie, Buffalo, N.Y.: expert consultation on design of addition to Episcopal Home of WNY, including Alzheimer's Unit, atrium entry and geriatric day care program

Hunt, Huber, Nichols, Inc., Indianapolis, IN: expert consultation on code variance application for high rise office building, Indianapolis, IN, April, 1990

Trautman Associates, Buffalo, NY: consultant on gerontology and accessibility issues. Major renovation and addition to geriatric and rehabilitation facilities, Willard Psychiatric Center, Willard, NY. 1988 - 90.

N.Y. State Office of Vocational Rehabilitation, consultant on accessibility needs of OVR clients, 1988-present

Bouvier, O'Connor, Cegielski and Levine, Attorneys, Buffalo, NY: expert consultation on school accessibility case, 1988-1990

Burgett and Robbins, Attorneys, Jamestown, NY: expert consultation on personal injury case, 1988

Cannon Design, Buffalo, NY: Consultant on proposal for providing barrier-free egress for school demonstration project, 1987  
Expert Advisor, Access Improvements Workbook, Adaptive Environments Center, Boston, MA, 1986

Lewis and Lewis, P.C. Attorneys at Law, Buffalo NY: expert consultation regarding medical malpractice case, Summer 1986

CNA Insurance, Syracuse NY: expert consultation regarding architectural malpractice case, 1985-86

Project Consultant, Beverly Hills Congregate Residence Participatory Design and Planning Feasibility Analysis, Andrus Gerontology Center and U.S.C. School of Architecture, Los Angeles, CA., 1984

Technical Reviewer, Design for Aging: An Architect's Guide, American Institute of Architects, 1984

Spellman, Spellman, Spellman, Spellman and Kealhofer, Attorneys, Perry, Iowa: expert consultation regarding personal injury case, Spring 1985

Saperstein-Day, Attorneys, Buffalo, NY: expert consultation regarding personal injury case, Spring 1983

National Center for a Barrier-Free environment, Washington, DC: preparation of state-of-the-art report on barrier free design, multiple disabilities and aging, Fall, 1982-Spring, 1983

Eddy Geriatric Center, Troy, NY: consultant on selection of architect and development of



design objectives for multi-level geriatric center, Spring, 1981-1983

Canada Public Works, Division of Buildings and Environment, Ottawa, Canada: consultant on implementation of barrier-free design retrofits to Federal buildings, 1980-1981

New York State Department of Housing and Community Renewal: consultant on revisions of accessibility provisions in state building code, October 1980

Mayville Partnership, Buffalo, NY: consultant on design of 30-unit congregate housing project for low-income elderly people, one of 10 national demonstration projects sponsored by the Farmers Home Administration, June, 1979 to June, 1980

U.S. Department of Housing and Urban Development, Washington, DC: completion of revisions to ANSI A117.1 (1980), 1978-1979

Buffalo Organization for Scientific and Technological innovation, Buffalo, NY: consultant on Delphi survey concerning social and technological trends related to disability; sponsored by the Institute for the Crippled and Disabled, 1978-1979

Association for the Study of Man-Environment Relations: member, expert consultant panel, Information Access Project, 1978

Corning Glass Corporation, Corning, NY: consultant on design of kitchen equipment and dishware for ease of use by disabled and elderly people, October, 1977

Louis Sauer Associates, Architects, Philadelphia, consultant on design of multi-family housing for accessibility to physically disabled people, 1977

Universal Rundle Corporation, New Castle, PA: consultant on design of prefabricated shower enclosure, March, 1977

Division of Architecture and Environmental Design, Virginia Polytechnic Institute and State University: member of advisory panel to the research project, "Design of Bathrooms, Bathroom Fixtures and Controls for the Able-Bodied and the Disabled", 1977-1979

Peoples Housing, Inc., Topanga, CA; design consultant for housing for the elderly on Maui, Hawaii, Fall, 1975

New York State Office on Aging, Albany, NY: recommendations regarding conversion of university dormitories to adult homes, Winter, 1974-75

Loretto Geriatric Center, Syracuse, NY: development of "resource room" concept as alternative to day rooms, Spring, 1974

Gerontological Society, Washington, DC: Housing and Environmental Design Project, 1974