

## **Kent F. Spreckelmeyer, D.Arch., FAIA Emeritus**

Professor of Architecture

The University of Kansas School of Architecture & Design

### **Career Summary:**

Kent Fitzgerald Spreckelmeyer is Professor of Architecture in the School of Architecture & Design at the University of Kansas and maintains an active consulting practice in architectural research and programming. Since 1981 he has taught courses in design, architectural programming, building evaluation, and research methods. His primary focus in higher education has been the study of the relationship between human well-being and the built environment, and since 2009 he has directed the Health & Wellness internship program at the University of Kansas. His students have won recognition in a number of national and international design and research competitions since 1984, including the first-place submission in the 2012 ACSA Steel Competition. He served in leadership positions in the school in the creation of the professional Master of Architecture program in the late 1990s and the Doctor of Philosophy program in 2007. The latter program awarded its first doctorate in 2012. As the Chair of Architecture, he was instrumental in establishing Studio 804, the award-winning design/build program at the University of Kansas. Between 1999 and 2004 he taught the pre-design course in that program and was a founding member of the not-for-profit organization Studio 804, Inc. In addition to his teaching in architecture, he has been active in the Department of Humanities and Western Civilization at Kansas and taught the history of architecture and urban design course for the study-abroad component of that department in Florence and Paris. He was awarded a 2009 W.T. Kemper Fellowship for Excellence in Teaching in recognition of his work in the classroom, studio, and graduate seminars. He was the recipient of the 2023 Ingram's Icons of Education Award and the University of Kansas Chancellors Club Career Teaching Award.

As the director of the Health & Wellness internship program at the University of Kansas he has been responsible for mentoring students in their seven-month internship programs in firms doing significant design and planning work in healthcare, rehabilitation, and wellness environments. He co-founded this program in 2009, which has graduated more than 300 students with the Master of Architecture degree and Graduate Certificate in Health & Wellness Design. His students regularly participate in national design charrettes and competitions and publish their work in academic and professional journals. He also directs doctoral students in this area of study doing research in hospice environments and inpatient settings. In 2014 the Health & Wellness program became one of the inaugural members of schools of architecture and public health to the AIA Research Consortium of Design + Health.

Professor Spreckelmeyer has consulted on more than fifty architectural projects in workplace and healthcare facilities in partnership with Frank Zilm & Associates. This professional work includes programming and strategic planning studies for Princeton University Health Center, M.D. Anderson Cancer Center in Houston, the Cleveland Clinic, Abbott Northwestern and Children's Hospitals in Minneapolis, Creighton University Hospital in Omaha, the University of Kansas Heart and Cancer Hospitals, the University of Cincinnati Hospital, and Barnes Jewish Christian and St. Louis University Hospitals in St. Louis. Working with Frank Zilm and Richard Branham, he directed a number of full-scale mock-up research projects in family-practice and emergency settings with students from the architecture and design programs at Kansas. In 2006 they directed a student project that produced ER gurney prototypes for the EROne program in the US Department of Homeland Security. He is a member of the AIA Architecture for Health Committee and has served on the editorial boards of the *AIA/AHA Journal*, *Environment & Behavior*, the *Journal of Architectural Education*, *Health Environments Research & Design Journal*, and the *Journal of Architectural and Planning Research*.

He has co-authored five books that advance architectural knowledge by integrating new theories and methods of research into the design process. ***Evaluating Built Environments*** (with

Robert Marans, 1981, Institute for Social Research) outlines a model for integrating social science techniques into post-occupancy building evaluations of work environments. This work was recognized by *Progressive Architecture* and National Endowment for the Arts research awards. **Creative Design Decisions** (with Steve Kirk, 1988, Van Nostrand Reinhold) illustrates the principles of value management using architectural examples and language. He co-authored, with Frank Zilm, the text and software program **The Space Planner Toolkit** (1995, American Hospital Association), an approach to architectural programming that uses personal-computing programs as a way to organize and rationalize pre-design data in healthcare facilities. This work was recognized by a 1997 AIA Health Facilities Research Award. **Classic Readings in Architecture** (with Jay Stein, 1999, McGraw-Hill), is a compendium of significant architectural literature and provides an introduction of architecture as the production of built artifacts, an element of larger environmental contexts, and a professional pursuit. He co-authored, with Stephen Grabow, the book **Architecture of Use** (Routledge, 2105) which explores the aesthetic and functional dimensions of architecture in the support of human habitation and well-being. He is the author of numerous peer-reviewed journal articles, research reports, conference presentations, and invited guest lectures. He has been a visiting professor at the Edinburgh College of Art in Scotland and Moratuwa College of Architecture in Sri Lanka.

Students working under Professor Spreckelmeyer's direction have incorporated the principles of his research in their own practices, and he maintains connections with these practicing professionals through studio juries, sponsored design and research programs, advisory boards, and funded-research projects. His former students occupy leadership positions in architectural firms throughout the country and internationally. He is active in national organizations that promote design research and was a co-recipient of the 2003 NCARB Education and Practice Integration Prize and honorable mention recipient in 2012 and 2013. He served as the Chair of the Architecture Program at the University of Kansas between 1995 and 1997. He has served on the Board of Directors of the Kansas Chapter of the American Institute of Architects and was the Secretary of the Architectural Research Centers Consortium.

He is an alumnus of the University of Kansas and holds a post-graduate diploma from University College London, Bartlett School of Architecture, and a doctorate in architecture from the University of Michigan. He apprenticed in the St. Joseph, Missouri, firm of Brunner and Brunner, the successor firm to Eckel and Aldrich. He served as a captain in the 35<sup>th</sup> Civil Engineering Squadron of the US Air Force. He is a Fellow Emeritus of the American Institute of Architects and received the 2022 Environmental Design Research Association (EDRA) Career Award. He served on the Lawrence Arts Commission and as a trustee of the Lawrence Public Library. He lives in Lawrence, Kansas, with his wife, Antha Cotten, and daughter, Leah Eleanor.

### **Personal Statement:**

My first teaching assignment in the fall of 1981 was a second-year design studio. It was a happy introduction to architectural teaching for me, and I have enjoyed every second-year studio since. If I could, I would only teach at this year level, although like most teachers in schools of architecture, I have taught throughout both undergraduate and graduate courses to support the professional mission of the program. A number of these studios have been in collaboration with design firms that have integrated health-focused issues in the design process. The primary emphasis in all my studios has been the ways that people use and inhabit space. This has been the main thrust of my scholarship as well, and I try to get my students to see design as a social process as much as an exercise in visual and formal expression. Teaching and research in architectural education to me has come to mean, more and more, the way a faculty member supports and nurtures the culture of an academic home. The rewards of academic life are ethereal and fleeting, but the pleasures of sustaining a place for discourse, alumni affection, and discovery are deep and immeasurable. I think anyone engaged in the educational process, especially one that is connected to a profession that can improve the human condition, is fortunate beyond measure.

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| <b>Education:</b>          | <b>Doctor of Architecture</b><br>University of Michigan, Ann Arbor<br>Seabury Fellowship   | 1981  |
|                            | <b>Diploma in Architecture</b><br>University College London, England<br>Ewart Fellowship   | 1974  |
|                            | <b>Bachelor of Architecture</b><br>University of Kansas, Lawrence<br>AIA Certificate of Merit, Thayer Medal  | 1973  |
| <b>Employment History:</b> | <b>Principal, Kent F. Spreckelmeyer, FAIA</b><br>Lawrence, Kansas  | 1981 - present                                      |
|                            | <b>Professor of Architecture</b><br>Chair of Architecture<br>Associate Professor<br>Assistant Professor<br>School of Architecture & Design, The University of Kansas   | 1994 – present<br>1995-98<br>1986-1994<br>1981-1986 |
|                            | <b>Visiting Professor</b><br>Edinburgh College of Art, Edinburgh, Scotland<br>Moratuwa College of Architecture, Sri Lanka  | 1987-88<br>2013                                     |
|                            | <b>Research Architect</b><br>University of Michigan, College of Architecture<br>Ann Arbor, Michigan  | 1978-81   |
|                            | <b>Staff Architect</b><br>Captain, US Air Force, George Air Force Base, California<br>Victorville, California  | 1974-78   |
|                            | <b>Project Designer</b><br>Brunner and Brunner, Architects<br>St. Joseph, Missouri   | 1969-74   |
|                            | <b>Memberships:</b><br>Fellow of the American Institute of Architects (since 2000)<br>Member, American Institute of Architects (since 1980)<br>AIA Academy of Architecture for Health, AIA Kansas City<br>Member, Environmental Design Research Association (since 1979)<br>Architectural Registration Missouri (#3267, 1976)  |   |
|                            | <b>Public Service:</b><br>Member, Lawrence Library Board of Trustees, 2009-2010<br>Secretary, Studio 804, Inc., 2000-04<br>Member and President, Lawrence Arts Commission, 1983-86<br>Reviewer, National Science Foundation, Building Research, 1982-88<br>Editorial Review Board, <i>AIA Academy Journal</i> , 2005-2018<br>Editorial Review Board, <i>Environment and Behavior</i> , 1988-present<br>Reviewer, <i>HERD</i> , 2009-present<br>Board Member, Kansas Society of Architects, 1988-90<br>Reviewer, <i>Journal of Architectural Education</i> , 1992-2004<br>Secretary, Architectural Research Centers Consortium, 1993-96 |   |

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| <b>Major Awards:</b>                 | Winner of <i>Progressive Architecture</i> Applied Research Award   | 1982                    |
|                                      | Winner of National Endowment for the Arts Research Award   | 1983                    |
|                                      | Winner of <i>Industrial Design (ID)</i> Applied Research Award   | 1986                    |
|                                      | Winner of AIA Health Facilities Research Award   | 1997                    |
|                                      | Winner of NCARB Education/Practice Integration Grand Prize   | 2003                    |
|                                      | Winner of Bradley Teaching Award   | 2003                    |
|                                      | Faculty Advisor:   |                         |
|                                      | Dan DeWeese, First Prize, 2012 ACSA Steel Competition  |                         |
|                                      | Rana Elmgirbi, Third Place, 2012 Architecture for Humanity Award   |                         |
|                                      | ARCH 808 Student Team, Honorable Mention, 2012 AIAS/Sage Award   |                         |
|                                      | Duane Cash, Honorable Mention, 1996 ACSA Benedictus Award  |                         |
|                                      | David Hammond, 1990 University of Kansas Research Award  |                         |
|                                      | John Grattendick, 1990 ACSA Research Award   |                         |
|                                      | J. Zimmerman, J. Loucks, and S. Polcyn, 1985 ACSA Research Award   |                         |
|                                      | Winner of William T. Kemper Fellowship for Teaching Excellence   | 2009                    |
|                                      | Winner of Kansas City AIA Educator of the Year Award   | 2010                    |
|                                      | Honorable Mention NCARB Education/Practice Award   | 2012, 2013              |
|                                      | AIA/AAH Touchstone Award   | 2018                    |
|                                      | Academic Contributor to AIA National Urban Design Award  | 2021                    |
|                                      | Winner of Environmental Design Research Assoc. Career Award  | 2022                    |
|                                      | Winner of Ingram's Icons of Education Award  | 2023                    |
|                                      | Chancellors Club Career Teaching Award, University of Kansas   | 2023                    |
| <b>Teaching:</b>                     | Health & Wellness Internship (ARCH 807)  | 2009-24                 |
|                                      | Graduate design studio (ARCH 504, 604, 608, 808)   | 1993,96, 2009, 2012-14  |
|                                      | Second-year design studio (ARCH 200, 201, 208, 209)  | 1981-83, 88-98, 2001-24 |
|                                      | Fourth-year design studio (ARCH 400, 401, 609)   | 1983-87, 2008, 2016-21  |
|                                      | Seminar in facility evaluation (ARCH 690, 743)   | 1982-87, 1989           |
|                                      | Seminar in facility management (ARCH 800)  | 1992, 1994              |
|                                      | Introduction to graduate studies (ARCH 701)  | 1991-93                 |
|                                      | Seminar in workplaces (ARCH 694)   | 1989, 1990, 1994        |
|                                      | Lecture course in design methods (ARCH 210)  | 1981-83                 |
|                                      | Lecture course in programming (ARCH 658)   | 1983-86, 90-12, 2021-23 |
|                                      | Lab. course in computer graphics (ARCH 510)  | 1984-85                 |
|                                      | Doctoral seminar in methods and theory   | 2007-09                 |
|                                      | Third-year digital design studio (ARCH 300)  | 1999-2000               |
|                                      | Seminar in design management (ARCH 858)  | 1999-05                 |
| <b>Books, Chapters<br/>Software:</b> | <b><i>The Architecture of Use.</i></b> New York: Routledge. 2015. (With S. Grabow)<br>Chinese edition, 2017.   |                         |
|                                      | <b>"The Electronic Workplace as Public Domain"</b> Chapter in <i>Vitruvius on the Plains</i> , Stephen Grabow (ed.). Lawrence: The School of Architecture, Design & Planning, The University of Kansas. 2012, pp. 181-191.   |                         |
|                                      | <b><i>Classic Readings in Architecture.</i></b> New York: McGraw-Hill. 1999. Chinese edition, 2016. (With J. Stein)  |                         |
|                                      | <b><i>Space Planner Toolkit: Hospital Edition.</i></b> Chicago: American Hospital Assoc. 1995. Second edition, 2003. Third edition in progress. (With F.S. Zilm)   |                         |
|                                      | <b><i>Proceedings of the Symposium on Knowledge-Based Architectural Education.</i></b> San Antonio: ARCC. 1993. (With J. Robinson and R. Ulrich)   |                         |
|                                      | <b><i>Proceedings of the Symposium on the Liberal Education of Architects.</i></b> Lawrence: The University of Kansas. 1991. (With D.E. Domer)   |                         |
|                                      | <b><i>Creative Design Decisions: A Systematic Approach to Problem Solving in Architecture.</i></b> New York: Van Nostrand Reinhold. 1988. (With S. J. Kirk)<br>Reprint <b><i>Enhancing Value in Design Decisions</i></b> , 1993, 2 <sup>nd</sup> printing 1998. Korean edition, 1997. Ki Moon Dang Publishing. |                         |
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**"Environmental Programming"** Chapter in *Methods in Environmental and Behavioral Research*, Robert Bechtel et al (ed.) New York: Van Nostrand Reinhold. 1987, pp. 247-269.

**"A Conceptual Model for Evaluating Work Environments."** Chapter in *Behavioral Issues in Office Design*, Jean Wineman (ed.) New York: Van Nostrand Reinhold. 1986, pp. 67-84. (With R.W. Marans)

**Man-Environment Reference II.** Associate Editor. Ann Arbor: University of Michigan. 1983.

**Evaluating Built Environments: A Behavioral Approach.** Ann Arbor: Institute for Social Research. 1981. (With R.W. Marans)

**"Impacting the Health of a Community by Designing a Hybrid Community Hospital."** Chapter in *Rural Resolve: Imagining the Future Health and Well-Being of Small Communities*, T.J. Trenolone (ed.). Omaha: HDR Architecture. 2020, pp. 121-133.

### Major Articles:

**"Designing an Environmental Prototype to Improve the Health of Rural Communities,"** *Oz*. Volume 46, 2024, pp. 22-29. (With Tom Trenolone)

**"Visibility and Accessibility of Hand Hygiene Stations and Fatigue Among Nurses Working in Long-Term Care (LTC) During the COVID-19 Pandemic,"** *Health Environment Research & Design Journal*. 16/2, 2023. (Cai, H., et al.)

**"Support from Work and Intent to Stay Among Nurses During COVID-19,"** *Nurse Leader*, 20/6, 2022. (Cai, H., et al)

**"The Continuous Learning Cycle: A Multi-phase Post-occupancy Evaluation (POE) of Decentralized Nursing Unit Designs."** *Health Environment Research & Design Journal*. 15/2, 2022. (Cai, H., et al)

**"Impact of Visibility and Accessibility on Healthcare Workers' Hand-Hygiene Behavior."** *Health Environment Research & Design Journal*. October, 2020. (Cai, H., et al)

**"Impacts of Decentralized Nursing Unit Typology: A Comparative Case Study of Two ICU Units in an Academic Medical Center."** *Proceedings of the 51<sup>st</sup> EDRA Conference*, April, 2020. (Hui Cai et al.)

**"The Seventy-Year Legacy of Environment Behavior Studies at the University of Kansas: The Importance of Place Making in the Midwest."** *Proceedings of the 50<sup>th</sup> EDRA Conference*, May, 2019. ( Hui Cai et al.)

**"A Regional Survey on Residents' Preferences on Patient-Centered Medical Home (PCMH) in Rural Areas."** *Health Environment Research & Design Journal*, 12(3), Summer 2019, pp. 187-205. (Hui Cai et al.)

**"Exploring Alternatives for Critical Access Hospitals: Research-Based Design for Rural Health."** In *Architecture of Complexity*. 2017 ARCC Proceedings, pp. 197-204. (Hui Cai, et al.)

**"Impacting Health and Wellness of a Community by Designing a Hybrid Community Hospital."** *Value of Design Summit*, American institute of Architects, 2014.

**"Green Design, Environmental Awareness, and Organizational Image."** *Journal of Corporate Real Estate*, 14(1), 2012, pp. 21-49. (With Mahbub Rashid and Neal Angrisano)

**"Innovations in Hospital Architecture."** *Health Environment Research & Design Journal*, 5(2), Winter 2012, pp. 122-125.

**"The Design/Build Process at the University of Kansas."** 34 *Architecture Review*, Volume 4, Spring 2002, pp. 2-3.

**"The Value of Making Space in Environmental Education."** *Proceedings of the Ecosphere Conference*. Lincoln: The University of Nebraska, June, 2001, pp.395-410.

**"Office Design in the Age of the Virtual Workplace."** *Journal of Architectural and Planning Research*, 16(3), 1999, pp. 262-266

**"Post-occupancy Evaluation."** *Encyclopedia of Housing*. Beverly Hills: Sage. 1998, pp. 422-424. Second Edition, 2012.

**"Places for a Work Ethic."** *Journal of Architectural and Planning Research*, 12(2), 1995, pp. 104-120.

**"Post-Occupancy Evaluation Reviews."** *Journal of Architectural and Planning Research*, 11(3), 1994, pp. 167-270.

**"Office Relocation and Environmental Change."** *Environment and Behavior*, 25(2), 1993, pp. 181-204.

**"Curricular Changes at the University of Kansas."** *Exchange*, November-December, 1990, pp. 6-7.

**"Environmental Norms in the Workplace."** *Design Methods and Theories*, 21(4), 1987, pp. 723-731.

**"The Quality of Life in Rural Kansas."** *Kansas Communities: Changes, Challenges, Choices*. Lawrence: The University of Kansas, 1986, pp. 58-62. (With V. Papanek)

**"Measuring Curricular Orientation in Architectural Education."** *Journal of Architectural and Planning Research*, 2 (2), 1985, pp. 99-114. (With D.E. Domer and J.W. Carswell)

**"Design and Familiarity."** *Proceedings of the 15th EDRA Conference*, June, 1984, pp. 25-29.

**"Methods for Decision-Making in Hospital Design."** *The Future of Hospital Design*. Washington, D.C.: Department of Health and Human Services, 1984, pp. 3119-3159. (With S.J. Kirk and C.J. Eichinger)

**"Designing for Health Care in the Twenty-First Century."** *Proceedings of the National ACSA Conference*, March, 1984, pp. 150-154.

**"Changing Society-Changing Education: A Survey of Nebraska Society of Architects' Satisfaction with Architectural Education."** *Dimensions*, 4 (4), Oct. 1983, pp. 21-23. (With D. E. Domer and J. W. Carswell)

**"Perceptions of Architectural Education: A Study of Attitudes and Trends in the Profession."** *Proceedings of the West Central ACSA Regional Conference*. Minneapolis: The University of Minnesota, 1983.

**"Programming and Evaluation as a Unified Architectural Service."** *Architects in Government*, 5 (2 & 3), Dec. 1982, p. 18.

**"Measuring Overall Architectural Quality: A Component of Building Evaluation."** *Environment and Behavior*, 14 (6), Nov., 1982, pp. 652-670. (With R.W. Marans)

**"Evaluating Open and Conventional Office Design."** *Environment and Behavior*, 14 (3), May, 1982, pp. 333-351. (With R.W. Marans)

**"Architectural Programming as an Evaluation Tool in Design."** *Proceedings of the 13th EDRA Conference*, April, 1982, pp. 289-296.

### Sponsored Student Projects:

**"DeSoto Health Campus."** Third-year architectural design studio (18 students). Funded by Lawrence Memorial Hospital and ACI-Boland Architects. August – December, 1999. (ARCH 300)

**"Sustainable Mixed-Use Community."** Third-year studio (18 students). Funded by Republic Real estate and ACI-Boland Architects. August – December, 2000. (ARCH 300)

**"Emergency Room Gurney Design."** Special problem course (5 students). Funded by EROne and the School of Fine Arts. August, 2002 – May, 2003. Presentation to US Senate Select Committee on Emergency Medicine, 5/8/03. (ARCH359/700 with Richard Branham)

**Research,  
Consulting:**

**“Neonatal Intensive Care Unit (NICU) Evaluation.”** Special problem course (5 students). August, 2003 – February, 2004. Sponsored by Stormont Vail Healthcare. Presentation the annual NICU national conference, Clearwater, FL, 2/1/04. (ARCH 359/700 with Richard Branham)

**“Emergency Room Mock-Up Evaluation.”** Special problem course (10 students). Funded by Frank Zilm and Associates and North Kansas City Hospital. January – May, 2007. Presentation at Harvard University Summer Institute “Emergency Room of the Future”, 7/30/07. (ARCH 359/700 with Richard Branham)

**“A Haitian Birthing Center.”** First-year graduate design studio (13 students). Sponsored by Maison de Naissance and Burns & McDonnell Architects. January – May, 2009. (ARCH 504)

**“A Hybrid Community Hospital for Haxtun, Colorado.”** Capstone graduate studio (18 students). Sponsored by HDR Architecture. January – May, 2014. (ARCH 808). ARCH 600, August – December, 2017.

**“A Community Center for a Haitian Health Clinic.”** Design/build student project. Sponsored by Maison de Naissance. August, 2017 – May 2018. (ARCH 600, with F. Zilm, C. Kraus and L. Rake)

**Co-Principal Investigator.** University of Kansas Health System. Post-Occupancy Evaluation Studies of Inpatient Units. Funded by KU Health System, 2018-20. (With F. Zilm and H. Cai)

**Co-Principal Investigator.** Sisters of St. Mary Health System. Post-Occupancy Evaluation Studies of Inpatient Units. Funded by Lawrence Group, 2016-18. (With F. Zilm and H. Cai)

**Research Consultant.** St. Louis University Replacement Hospital. Planning and Programming Documents. Frank Zilm Associates, 2015-16.

**Research Consultant.** Tri-Health Medical System. Laboratory Master Planning and Programming Studies. Cincinnati, OH. Frank Zilm Associates, 2013.

**Co-Principal Investigator.** Perceptions of Architectural Education: A Thirty-Year Retrospective. Kansas City AIA, 2012-13. (With Dennis Domer and Bill Carswell)

**Principal Investigator.** Pilot Study of User Perceptions of Emergency Department Environments. Lawrence Memorial Hospital, Lawrence, KS, 2008. (Funded by University of Kansas)

**Research Consultant.** Southwest General Medical Center. Master Planning and Programming Studies. Cleveland, OH. Frank Zilm Associates, 2007-08.

**Co-Principal Investigator.** Full-Scale Mock-Up Evaluation of Emergency Department Exam Room. North Kansas City Hospital, Kansas City, MO, 2007. (Funded by Frank Zilm Associates)

**Research Consultant.** Creighton University Hospital. Master Plan Study. Omaha, NE. Lake Forest Hospital. Master Planning and Programming Studies. Lake Forest, IL. Children's Hospitals and Clinics. Minneapolis/St. Paul, MN. Frank Zilm Associates, 2007.

**Research Consultant.** St. Mary's/Duluth Clinics. Master Planning and Programming Studies. Duluth, MN. Summa Health Care System. Master Planning and Programming Studies. Akron, OH. Frank Zilm Associates, 2006.

**Research Consultant.** Princeton University Medical Center. Replacement Hospital Planning and Programming Studies. Princeton, NJ. Frank Zilm Associates, 2005-06.

**Research Consultant.** Children's Hospitals and Clinics. Minneapolis/St. Paul, MN. Frank Zilm Associates, 2005.

**Research Consultant.** Master Plan Study. Truman Medical Center. Kansas City, MO. Frank Zilm Associates, 2004.

**Research Consultant.** Cardiology Program. University of Kansas Medical Center. Master Plan. Children's Hospitals and Clinics, Minneapolis, MN. Frank Zilm Associates, 2002, 2004.

**Co-Principal Investigator.** Full-Scale Mock-Up Evaluation and Prototype Design of Neonatal Intensive Care Unit. Stormont-Vail Health System, Topeka, KS, 2003-04. (Funded by Stormont-Vail Health System)

**Co-Principal Investigator.** Evaluation and Prototype Design Studies of Emergency Room Gurneys. EROne Institute. Washington, DC, 2002-03. (Funded by EROne Institute)

**Research Consultant.** Abbott Northwestern Hospital Master Plan. Minneapolis, MN. Frank Zilm Associates, 2001.

**Research Consultant.** Children's Hospitals and Clinics. Minneapolis/St. Paul, MN. Frank Zilm Associates, 2000.

**Principal Investigator.** CRS Archive Scholar. Effects of Electronic Media on the Design Process. CRS Center, Texas A&M University, February, 1999.

**Research Consultant.** Ambulatory Care Facilities Analysis and Planning. Summa Health System. Akron, OH. Stormont-Vail HealthCare. Topeka, KS. St. Catherine Hospital. Garden City, KS. Frank Zilm Associates, 1998. Information System Analysis. HOK, St. Louis, MO, 1998-99.

**Research Consultant.** Ambulatory Care Facilities Evaluation. Barnes-Jewish-Christian Hospitals. St. Louis, MO. Frank Zilm Associates, 1997.

**Research Consultant.** Facility Master Plans, Salina, KS and Stormont-Vail (Topeka, KS) Regional Health Centers. Frank Zilm Associates, 1996-97.

**Principal Investigator.** Electronic Workplaces as Public Domain. Lawrence, KS. Hall Center for the Humanities, 1996. (Funded by the Hall Center)

**Research Consultant.** User Surveys and Building Evaluation. St. John's Catholic Church. Lawrence, KS. John Lee Associates, 1996.

**Research Consultant.** Inpatient Bed Allocation Model. Frank Zilm Associates, 1994-95.

**Research Consultant.** Facility Evaluation Study. Kansas State Capitol. John Lee Associates, 1993.

**Principal Investigator.** Rural Health Facility Evaluations. Kansas Health Foundation, 1993.

**Research Consultant.** Emergency Room Evaluations. Oakwood Hospital, MI and St. Joseph Hospital, South Bend, IN. Frank Zilm Associates, 1992-93.

**Research Consultant.** Outpatient Clinic Evaluation and Program. Christian Hospitals, St. Louis, MO; S.B. Allen Hospital, Eldorado, KS; and University of Cincinnati. Frank Zilm Associates, 1992-93.

**Co-Principal Investigator.** Image Identity Evaluation Program. Nelson-Atkins Museum of Art, Kansas City, MO. 1991. (Funded by Museum Trustees)

**Research Consultant.** Inpatient Nursing Unit Evaluation. Barnes Hospital, St. Louis, MO. Outpatient Clinic Evaluation. M.D. Anderson Hospital, Houston, TX. Frank Zilm Associates, 1991.

**Principal Investigator.** Evaluation of Kansas Corporation Commission building. Topeka, KS. 1990-91. (Funded by K.E.U.R.P.).

**Principal Investigator.** Images of the Workplace. Hagley Library, Wilmington, DE. 1990 (Funded by Hagley Museum).

**Co-Principal Investigator.** Research on architectural curricula. University of Kansas, 1989-90. (Funded by Graham Foundation).

**Principal Investigator.** Bibliographic search of research in office settings. University of Kansas, 1987. (Funded by University of Kansas).

**Co-Principal Investigator.** Design evaluation of Veterans Administration facilities. VAMC, Leavenworth, KS, 1987. (Funded by VA).

**Research Consultant.** Programming analysis for National Weather Service Building Program. Gould/Evans Architects, Lawrence, KS, 1986-1987.

**Principal Investigator.** Programming analysis for United Technologies Corporation. University of Kansas, 1985. (CRINC: Funded by Smith, Hinchman & Grylls, Inc.).

**Principal Investigator.** Analysis of the 1983 Survey of Architectural Education. University of Kansas, 1984. (Funded by University of Kansas)

**Research Consultant.** Post-occupancy building evaluation of Trinity Lutheran Phase II Addition. Kansas City, MO, 1984. (Funded by HNTB/Architects, Planners and Engineers)

**Research Consultant.** Post-occupancy building evaluation of ADP Pittsburg facility. University of Kansas, 1982 (CRINC: Funded by Smith, Hinchman and Grylls, Inc.).

**Principal Investigator.** Evaluation of Family Medicine Center, St. Mary's Hospital, Kansas City, MO. 1982-1985. (Funded by Sisters of St. Mary).

**Research Associate.** Educational assessment of Kansas architects. University of Kansas, 1981-83. (Funded by Kansas Society of Architects).

**Principal Investigator.** Reuse of older industrial and commercial buildings in Kansas City. University of Kansas, 1982. (Funded by University of Kansas).

**Principal Investigator.** Study of uses of computers in architectural design. Architectural Research Laboratory, Ann Arbor, MI, 1978-1981. (Funded by Seabury Foundation).

**Research Associate.** Full-scale mock-up and evaluation of the University of Michigan Hospital, Ann Arbor, MI, 1980-1981. (Funded by U-M Board of Regents).

**Research Assistant.** Revitalization of Industrial Buildings Project, Institute of Science and Technology, Ann Arbor, MI, 1980-1981. (Funded by the U.S. Dept. of Commerce).

**Research Assistant.** Post-occupancy evaluation of the Ann Arbor Federal Building, 1979-1981. (Funded by the National Bureau of Standards).

## Major Presentations:

- Paper Presented and Abstract Published. **"Impact of Visibility and Accessibility on Healthcare Workers' Hand Hygiene Behavior."** HCD2021, October 25, 2021. (With H. Cai et al)
- Paper Presented and Published. **"The Seventy-Year Legacy of Environment Behavior Studies at the University of Kansas: The Importance of Place Making in the Midwest."** 50th EDRA Conference, May 23, 2019. (With H. Cai et al)
- Paper Presented. **"The Continuous Learning Cycle: A Multi-phase Post-Occupancy Evaluation"** 50th EDRA Conference, May 25, 2019. (With H. Cai et al)
- Abstract Published. **"Tools of the Trade: Multisite Use and Testing of Standardized Evaluation Tools."** HCD2018, Nov. 13, 2018, Phoenix. (With H. Cai et al)
- Guest Panelist. **"Building an Agenda for Design & Health Research."** 103rd ACSA Annual Meeting, Toronto, Canada. March 21, 2015.
- Paper Published. **"Impacting Health and Wellness of a Community by Designing a Hybrid Community Hospital."** Value of Design Summit, American Institute of Architects, April 23, 2014.
- Lecture and Symposia Series. **"Research Methods and Theories."** Department of Architecture, Moratuwa University, Sri Lanka. July, 2013.
- Abstract Published. **"Green Design, Environmental Awareness, and Organizational Image."** EDRA 42, May 27, 2011, Chicago. (with Mahbub Rashid and Neal Angrisano)

- Abstract Published. **"Effects of Colocation on Organizational Climate: A Longitudinal Study."** EDRA 42, May 27, 2011, Chicago. (with Mahbub Rashid and Neal Angrisano)
- Guest Panelist. **"Educational Models for Health."** Leadership Summit of the AIA Academy for Architecture and Health and ACHA, July 16, 2010, Chicago.
- Paper Presented. **"Following Bob Gutman: Researching Architectural Practice."** 40<sup>th</sup> Conference of EDRA, May 31, 2009, Kansas City, MO. (with K. Diaz Moore)
- Guest Lecturer. **"Research in the Emergency Department."** Harvard University, Graduate School of Design, July 31, 2008.
- Paper Presented. **"Workspace Change and Perceptions of Privacy."** 39<sup>th</sup> Conference of EDRA, May 29, 2008, Veracruz, Mexico. (with M. Rashid and N. Angrisano)
- Workshop Participant. **"Workplace Design and Organizational Culture."** 38<sup>th</sup> Conference of EDRA, May 30, 2007, Sacramento, CA.
- Paper Presented. **"Worker's Perception of Workplace Environment and Culture."** 38<sup>th</sup> Conference of EDRA, May 31, 2007, Sacramento, CA. (M. Rashid major author)
- Guest Lecturer. **"Research and Teaching Collaborations."** Edinburgh College of Art, May 2, 2005.
- Guest Lecturer. **"Design/Build Education Processes."** University of Colorado Florence Studio. Florence, Italy, February 10, 2005.
- Guest Lecturer. **"The Changing Nature of Design Practice."** College of Architecture, University of Oklahoma, October 14, 2004, Norman, OK.
- Poster Session. **"The Design/Build Studio as a Method of Creating Community."** 34<sup>th</sup> Conference of EDRA, May 24, 2003, Minneapolis, MN.
- Paper Presented. **"Studio 804, Inc."** Innovative Affordable Housing Design Conference, June 26, 2002, Nashville, TN.
- Paper Presented. **"Studio 804."** Making the Case: Design in the Social Agenda, Archeworks, April 13, 2002, Chicago, IL.
- Paper Presented. **"The Design Studio and the Process of Building Community."** Structures for Inclusion 2, Penn State University, April 6, 2002, State College, PA.
- Paper Presented. **"The Value of Making Space in Environmental Education."** Ecospheres Conference, The University of Nebraska, June 11, 2001, Lincoln, NE.
- Guest Lecturer. **"The Electronic Office."** College of Architecture, University of Florida, November 18, 1998, Gainesville, FL.
- Paper Presented. **"The Electronic Workplace as Public Domain."** Hall Center Faculty Seminar, Oct. 3, 1996, Lawrence, KS.
- Symposium Participant. **"Applied Research in Architecture and Planning."** ARCC Spring Conference, April 26-27, 1996, Tucson, AZ.
- Workshop Participant. **"Research in Architectural Firms and School."** ARCC Board Meeting, June 30, 1995, Chicago, IL.
- Paper Presented. **"P.O.E. in Health Care Design."** 26<sup>th</sup> Conference of EDRA, March 4, 1995, Boston, MA.
- Workshop Participant. **"Patient-Oriented Health Care."** 26<sup>th</sup> Conference of EDRA, March 4, 1995, Boston, MA.
- Symposium Chair. **"Developing and Sustaining Research Centers."** ARCC Annual Conference, Nov. 18-19, 1994, Washington, D.C.
- Paper Presented. **"Symbolic Dimensions of Workplace Evaluations."** DDSS Conference, August 18, 1994. Vaals, The Netherlands.

- Workshop Participant. **"Workplace Design for the Group Work Setting."** 25<sup>th</sup> Conference of EDRA, March 16-17, 1994, San Antonio, TX.
- Symposium Chair. **"Reconfiguring the Design Studio."** ARCC Annual Conference, Nov. 20, 1993, San Antonio, TX.
- Workshop Organizer. **"Symbols of Power in the Office."** 24<sup>th</sup> Conference of EDRA, April 2, 1993, Chicago, IL.
- Workshop Organizer. **"The Symbolic Office."** 23<sup>rd</sup> Conference of EDRA, April 12, 1992, Boulder, CO.
- Workshop Participant. **"Architectural Education and Behavioral Research."** 23<sup>rd</sup> Conference of EDRA, April 10, 1992, Boulder, CO.
- Workshop Participant. **"Issues of Office Research in the 90s."** 22<sup>nd</sup> Conference of EDRA, March 13, 1991, Mexico City.
- Guest Lecturer. **"Images of American Workplaces: 1890-1990."** Hagley Library and Center for the History of Business and Technology, June 6, 1990, Wilmington, DE.
- Paper Presented. **"Places for a Work Ethic."** Built Form and Culture Research Conference, Nov. 10, 1989, Tempe, AZ.
- Guest Lecturer. **"Building Evaluation."** Jan. 29, 1988, Edinburgh College of Art.
- Guest Lecturer. **"Frank Lloyd Wright and Middle America."** Nov. 26, 1987, Edinburgh College of Art.
- Workshop Organizer. **"Design Education."** 18<sup>th</sup> Conference of EDRA, June 1, 1987, Ottawa, Canada.
- Seminar Organizer. **"Approaches to Environmental Meaning."** and **"Cross-Cultural Studies".** Built Form and Culture Conference, Nov. 5-8, 1986, Lawrence, KS.
- Paper Presented. **"The Quality of Life in Rural Kansas."** Conference of Rural Kansas Communities, May 30, 1986, Salina, KS.
- Guest Lecturer. **"Research and Graduate Studies."** Louisiana State University, Jan 31, 1986, Baton Rouge, LA.
- Paper Presented. **"Architecture in Isolation."** 16<sup>th</sup> Conference of EDRA, June 11, 1985, New York, NY.
- Paper Presented. **"Environmental Norms in the Workplace."** 16<sup>th</sup> Conference of EDRA, June 10, 1985, New York, NY.
- Seminar Organizer. **"Change and Continuity"** and **"Theoretical Perspectives."** Built Form and Culture Conference, Oct. 18-20, 1984, Lawrence, KS.
- Paper Presented. **"Design and Familiarity."** 15<sup>th</sup> Conference of EDRA, June 30, 1984, San Luis Obispo.
- Paper Presented. **"Methods for Decision-Making in Hospital Design."** *The Future of Hospital Design*, National Institute of Health, March 23, 1984.
- Paper Presented. **"Perceptions of Architectural Education."** West Central ACSA Regional Conference, October 22, 1983.
- Paper Presented (by D.E. Domer). **"Understanding Educational Satisfaction."** Association of Institutional Research Forum, May 26, 1983.
- Paper Presented. **"Research Techniques in Architectural Practice."** 14<sup>th</sup> Conference of EDRA, April 25, 1983, Lincoln, NE.
- Paper Presented. **"A Model for Evaluating Architectural Education."** 14<sup>th</sup> Conference of EDRA, April 26, 1983, Lincoln, NE.
- Paper Presented. **Architectural Programming as an Evaluation Tool."** 13<sup>th</sup> Conference of EDRA, April 19, 1982, College Park, MD.