Stephen H. Kendall, PhD

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INTRODUCTION

Professor Kendall is a registered architect whose academic and research career spans more than 30 years. He has a professional degree from the University of Cincinnati, a Masters of Architecture and Urban Design from Washington University in St. Louis, and a PhD in Design Theory and Methods from the Massachusetts Institute of Technology (with Professors John Habraken and Donald Schön).

Dr. Kendall practiced architecture for a number of years, designing hospitals, academic facilities, residences, and other building types. He has taught architectural design and urban design studios at all levels of professional curricula in several universities. He also teaches courses in design theory and building technology. He has experience in guiding professional, post professional and PhD studies at a number of universities in the US and abroad.

His research focuses on both architectural pedagogy and open building design. The former has its origins in recognition of challenges the professions face as we guide the transformation of the ordinary built environment under conditions of change and distributed design responsibility across several levels of intervention (urban design, building design and interior design). Preparing students with the attitudes, skills and knowledge needed to enable them to contribute to the improvement of the built field (not only the special monuments), given these forces, is the goal of his studies of teaching methods.

His research in open building design and technology encompasses studies of new organizational and design methods, new logistics and business forms, and new technology needed to make buildings – especially large multi-tenant buildings - more adaptable, easier to customize to meet individual preferences and thus more sustainable. His work focuses primarily on housing and health care architecture, each facing a convergence of three dominant characteristics of the contemporary urban environment. First is the increasing size of buildings, sometimes serving thousands of inhabitants. Second is the dynamics of living environments, the workplace and the marketplace where use is increasingly varied and changing, matching social and technical trends. Third is the availability of, and demand for, an increasing array of equipment and facilities serving the inhabitant user.

Dr. Kendall has written more than 40 papers, book chapters and technical reports. He is the co-author of a book (Residential Open Building) and has conducted many funded research projects. He has guest edited a number of journals and conference proceedings, and is on the editorial board of Open House International. He lectures widely to university and professional audiences. He has been joint coordinator of the CIB Commission W104 Open Building Implementation since its inception in 1996 (www.open-building.org).

Dr. Kendall has formed a company INFILL SYSTEMS US LLC (www.infillsystemsus.com) dedicated to selling products and providing architectural services that support developers in achieving adaptable, long-lived buildings, called open building.

Education

1985-87	Ph.D., Architecture. MIT, Design Theory and Methods; Professor John Habraken, Chair; Professors Schön and Dluhosch, committee members; Thesis: "Control of Parts: Parts Making in the Building Industry". (1990)
1972-74	Masters of Architecture and Urban Design. School of Architecture, Washington University in St. Louis, Missouri, (l976)
1964-70	B.S. in Architecture, College of Design, Architecture, Art &, Planning, U. of Cincinnati, Cincinnati, Ohio (co-op program) (1970)

Academic Administrative Experience

2008 - 2010	Director, Master of Architecture Professional Program, Ball State University
2002 – 2005	Assistant Chair, Department of Architecture, Ball State University
1999 - 2010	Director, Building Futures Institute

Teaching Experience

2012	Visiting Lecturer (one-week workshop on Thematic DesignPlays), Harbin Institute of Technology, Harbin, PRC
2010	Visiting Lecturer, University of Florence; Thematic DesignPlays
2009	Visiting Lecturer, Institute of Technology Sepulah Nopember, Surabaya, Indonesia (one week open building workshop, December 2009)
2009	Visiting Lecturer, University of Florence (one-week workshop summer 09)
2008	Visiting Professor, National Taiwan University of Science and Technology, Department of Architecture (5-week Summer Semester)
2007	Visiting Professor, National Taiwan University of Science and Technology, Department of Architecture (5-week Summer Semester)
2005-	Professor of Architecture, Ball State University
1999 - 2005	Associate Professor of Architecture, Ball State University
1992-99	Associate Professor of Interior Design, Marymount University, Arlington, VA.
1991-92	Visiting Assoc. Professor, Cal Poly Dept. of Architecture, San Luis Obispo; in residence at the Washington/Alexandria Consortium, Alexandria, VA.
1988-91	Assistant Professor, Department of Architecture and Planning, Catholic University, Washington, DC
1987-88	Assistant Professor, College of Environmental Design, Univ. of Colorado, Boulder
1985-87	MIT Dept. of Architecture; Assistant to Prof. N. John Habraken, Thematic Design Theory/Methods; SMArchS Thesis reader
1981-85	Assistant Professor, College of Environmental Design, University of Colorado, Boulder

Funded Research

2011-2012	"Healthcare Facility Design for Flexibility." No-bid Research contract: NIBS/ Military Health System ($125,000).
2010	"In-Situ Seed Grant;" BSU Department of Architecture: ($1000)
2010-2011	"Code and Market Analysis of CableStud." Funded by Infill Systems BV, the Netherlands: ($36,000).
2006	"INO: Systems Separation"; Symposium in Bern, Switzerland, Funded by the Canton Bern Building and Property Department: ($16,000).

2005 “Patient-Centered Design Concepts”; subcontract from Purdue University Regenstreif Center for HealthCare Engineering ($9500)

2004 “Health by Design: Interdisciplinary curriculum development. Ball State University, Discovery Grant. Co-PI with Bruce Frankel, David Gobble and Charles Jones ($35,000)

2004 Development of a SHELL/FIT-OUT Townhouse: Estridge Companies ($5000)

2001-3 Japanese Ministry of Education: “Conversion of Office Buildings to Housing; a three year comparative study.” (Three-year subcontract) ($18,000)

2000 “Best Practices in Removing Zoning Ordinance Barriers to Adaptive Reuse in Kansas City.” (Subcontract to Duncan Associates, Inc)

2000 Ball State University Provost’s Initiative Fund: “Forming a Research Alliance with the College of Business and the Housing Futures Institute.” ($2000)

2000-03 American Institute of Architects Foundation: "Open Building For Health Care Facilities" ($5500)

1999 Ball State University International Programs Endowment: “Getting Reacquainted with the Commons: A Three Country Study of Housing and Urban Design” ($3000)

1999 Ball State University Twenty First Century Fund Grant: "Development of an Electronic Teaching Library" ($10,000)

1998 Foundation for Interior Design Education and Research (FIDER) "Strategic Stories" Research Project; 3 year study of leading practitioners and practices effecting the interior design profession and education.

1996 MITI "House Japan" Study of Aspects of the US Housing Industry: "DIY Activity in the US"; Housing Performance Indicators for Consumers in The US". Technical Reports and Lecture in Tokyo.

1996 Joel Polsky - Fixtures Furniture - FIDER Endowment Fund: "Open Systems: Assessing Compatibility between Access Floors and Systems Furniture".

1995 - 1999 US Member, Jutaku Sogo Kenkyo Zaidan (Housing Policy Study Foundation) project: "Comparative Study of Rehabilitation of Multifamily Housing in the Mass Housing Era". (Germany, France, Denmark, Japan and the US.)

1995 Meiji University Department of Architecture; Distinguished Visiting Research Scholar; "Developments toward Open Building in Japan". (June 1995)

1994 International Society of Interior Designers: "Open Building: A New Paradigm for Interior Design: Documentation of Projects in Japan and the Netherlands" (completed summer, 1994)

1989-90 Dept. of Architecture and Planning, Catholic University, Housing Technology Research: Funding source: The Mark Winkler Co.

1985-87 Dept. of Architecture, MIT; "Development of a Tool to Describe Control in the Staged Assembly of Buildings"; "Elements and Element Groups of the 2x4 System"; supported by the Grunsfeld Fund; report titled SHELL/INFILL: A Technical Study of a New Strategy for 2x4 House building.

1975-78 "Wooden Building Technologies - Roofing Research for Developing Countries" - Washington University Center for Development Technology, and Department of Architecture, US AID.

Published and Edited Books, Proceedings, Papers and Book Chapters

2011 "How a Fit-Out Industry will Change Architecture;" (in Chinese). New Architecture; vol.6, no 139, 2011 (Pgs. 30-33)

2011 "Hospitals on the Time Axis: Trends in the Real World and Implications for Architectural Education," HERD (Health Environments Research and Design Journal), Summer 2011, Volume 4, Number 4, Vendome Group. (Pgs. 130-142)

2011 "Developments toward a Residential Infill Industry." Open House International, Vol. 36, no 1, (Pgs. 86-94)

2011 "Housing In Crisis: Open Building – An Antidote to the Commodification of Housing;" Aldiri Arkitektura eta abar, Bilbao, Spain (in Catalan) (Pgs. 4-8)

2010 "Hospitals on the Time Axis: Preparing Hospitals for Inevitable Change." Ball State University, Lulu Publishers (2010) ISBN 9780557341511

2009 Proceedings: Changing Roles 09: New Roles/New Challenges, "Integrated Design Solutions: What Does This Mean From An Open Building Perspective?" Delft, 2009

2008 Editor. Proceedings: Education for an Open Architecture. Education for an Open Architecture Conference, Ball State University, October 2008

2008 Editor. Systems Separation: Open Building in the Inselspital Bern INO Project; Canton Bern Office of Properties and Building, Bern, Switzerland. Staempfli Verlag AG, SIMOWA, Bern, June 2008. (German and English)

2008 Proceedings: First International Conference on Industrialised, Integrated, Intelligent Construction (I3CON) Loughborough, UK; "Under what conditions are "Industrialization" and "Integration" useful concepts in the building sector?" May 2008

2008 "Open Building: Healthcare Architecture on the Time Axis", in Sustainable Healthcare Architecture, Guenther, Robin and Vittori, Gail. Wiley and Sons, New York, 2008 (pp 353-359).

2007 "Teaching Architecture Students to Work with Distributed Design," in Design Studio Pedagogy - Horizons for the Future, (editors) Salama, Ashraf, and Wilkinson, Nicholas. Urban International Press, London, 2007.

2007 "Open Building: Designing Change-Ready Hospitals", Healthcare Design, June 2007, pp 27-33.

2006 Kendall and Teicher; Residential Open Building (Japanese translation).

2006 "Open Building Patterns: A Decision Support Tool for Hospitals". Proceedings: American Society of Healthcare Engineers Annual Conference, February 26-28, 2006, San Diego.

2005 "An Open Building Strategy for Converting Obsolete Office Buildings to Housing", American Institute of Architects Pilot Report on University Research, Washington, DC, April 2005.

2004 "Open Building: A New Paradigm in Hospital Architecture", AIA Academy of Health Journal, Oct 27, 2004. http://www.aia.org/aah_journal_20041027

2004 Proceedings CIB W104 Open Building and Sustainable Environment, Editor. Paris, September 20-22, 2004. (hard copy of the abstracts + CD of full papers)

2004 "An Open Building Strategy for Balancing Production Efficiency and Consumer Choice in Housing." NSF-PATH Housing Research Agenda Workshop

Proceedings and Recommendations Vol. I, II. Michigan State University, June 2004 (Pgs. 60-71)

2004 "An Open Building Strategy for Achieving Dwelling Unit Autonomy in Multi-unit Housing." Housing and Society. Vol 31, No.1, 2004 (Pgs. 89-99)

2003 "Long Term Sustainability of University Facilities." Proceedings: 5th Greening of the Campus Conference, Ball State University. October 2003. (CD)

2003 "Open Building in Health Care Architecture: The Case of the INO Project in Bern, Switzerland". Proceedings: Dense Living Urban Structures, CIB W104 Conference, Hong King (Pgs. 106-114)

2003 "An Open Building Strategy for Converting Obsolete Office Buildings to Residential Uses." Proceedings: 11th Annual Conference on Lean Construction, Blacksburg, VA. (Pgs. 207-218)

2003 "Making Accommodating Residential Form: International Developments toward an Open Architecture" Proceedings 23rd Annual Conference of the International Association of Housing Science, Montreal, June 2003. (CD)

2003 "Performance on Levels." Measurement and Management of Architectural Value in Performance - Based Building. CIB Report Publication 283, Proceedings of CIB W60 /W96, Hong Kong, May 2002 (Pgs. 35-42)

2003 "Product Bundling or Kitting: Balancing Efficiency and Variety for the Market". National Consortium of Housing Research Centers Session at the NAHB Builders Show, January 2003. Proceedings: Profit and Opportunity Beyond Traditional Building Practices, Michigan State University Urban Affairs Program (Pgs. 7-21)

2002 "An Open Building Industry: Making Agile Buildings that Achieve Performance for Clients." Proceedings: 10th Annual Symposium Construction Innovation and Global Competitiveness (Vol. 1 of 2). University of Cincinnati and CIB, September 2002 (Pgs. 267-284)

2001 "Control of Form and Space: A Basis for Comparison of Multifamily Housing in Japan and the United States." The Study of Japanese-Style Multi-unit Housing; Professor Kazuo Tatsumi, Emeritus Professor Kyoto University – Study Group Leader. Fukuyama University, March 2001 (Pgs. 60-71)

2001 "Notes on Teaching Agile or Open Architecture." Proceedings: Agile Architecture Conference, TU Delft, Delft, The Netherlands (Pgs. 123-132)

2001 "Infill / Fit-Out Systems: Toward a Residential Infill Industry". (Guest editor) Open House International, vol. 26, no. 3, (editorial pp 3-4)

2000 "Toward Open Building: Practical Developments in Europe". Open House International Vol. 25 No.4 (Pgs. 84-94)

2000 Residential Open Building. Co-authored with Jonathan Teicher. EF SPON London, 2000

1999 "Base Building and Fit-out: Principles for 21st Century Building Maintenance and Management". RE - Building Maintenance and Management (in Japanese), Tokyo, October 1999 (Pgs. 18-27)

1999 "Open Building: An Approach to Sustainable Architecture". Journal of Urban Technology, December 1999.

1998 "Beyond Programmatic Functionalism: The Prospects for Open Building;" Proceedings, International Symposium on Open Building. Taipei, Taiwan.

1998 "Proceedings: CIB TG26 Open Building Implementation Meeting, Workshop and Symposium", Washington, DC, National Building Museum, Nov, 1997.

1998 The Encyclopedia of Housing, van Vliet (ed). Sage. 1998 (Pgs. 81-83, 83-86, 192-193, 264-265, 310-311, 315,316, 361-362, 570-571

1996 "Open Building: A New Multifamily Housing Paradigm". Urban Land, November 1996.

1996 "Europe's 'Matura Infill System' Quickly Routes Utilities for Custom Remodeling." Automated Builder, May 1996.

1995 "Rehabilitation of Multifamily Buildings in the United States" (in Japanese) Glass and Architecture, September 1995.

1995 "Prospects for Open Building in the US Housing Industry." Proceedings: First International Conference on Open Building and Structure Engineering, Southeast University, Nanjing, PRC (Pgs. 17-21)

1994 co-author with Karel Dekker, "Open Building for Housing Rehabilitation." Proceedings Future Visions of Urban Public Housing, University of Cincinnati (ed Preiser, et.al.)

1994 Book Review, Journal of Architectural and Planning Research; "Housing without Houses"(Hamdi), and "Participatory Design" (Sanoff), 11:3 (Autumn, 1994).

1994 "The Entangled American House", Blueprints, The National Building Museum, January 1994 (Pgs. 2-7)

1993 "Open Building for Housing", Progressive Architecture, November, 1993.

1993 "Open Stock" The Construction Specifier, May 1993, Construction Specifications Institute, Alexandria, Virginia (Pgs. 110-118)

1993 "Marketing and Cost Deferral Benefits of Just-in-Time Units" (co-author David MacFadyen) Units, National Apartment Assoc., Washington, DC, March.

1991 "The Place of Designing in Production Chains: A Basis for Design Education", Book chapter in Temes de Disseny, Pedagogy of Design. Barcelona.

1991 "Representing Control in the Production of Artifacts" Architectural Research Centers Consortium Proceedings, Conference on "Reflections on Representation", SUNY Buffalo

1991 "Ten Buildings: An Anatomy Study of Tenant Adaptability in Ten Base Building Projects"; Honorable Mention, AIA 1991 Education Honors.

1990 "Three Tools for Design Test Bed Analysis", Proceedings, Material Engineering Congress, American Society of Civil Engineers, Aug., 1990.

1990 "Shell/Infill: A Technical Study of A New Strategy for 2x4 House building." Open House International, Vol. 15, no.1, 1990 (Pgs. 13-19)

1990 "A Base Building Pedagogy", Journal of Architectural Education, Vol. 43, no. 2, 1990 (Pgs. 29-41)

1989 "On Design Reasoning: Lessons from Teaching Architectural Technology"; Proceedings, Symposium on Architecture and ACSA Technology Conference 89, Dr. Jason Shih, Editor.

1989 "On Design Reasoning: Lessons from Teaching Architectural Technology"; Design Studies, UK, April 1989 (Pgs. 89-95)

1988 "Management Lessons in Housing Variety; Journal of Property Management, Chicago, Sept/Oct, 1988 (Pgs. 22-27)

1987	"Shell/Infill: A Technical Study of a New Strategy for 2x4 Housebuilding;" Proceedings, Wood Frame Housing '87 International Conference, Oslo, Norway.
1987	"Changing Patterns in Japanese Housing" with Dr.Seiji Sawada, Special Issue of Open House International on "Changing Patterns in Japanese Housing"; Vol. 12, No. 2, July, 1987. (Guest Editor)
1987	"A Staged Assembly Process Research Tool - working paper" Proceedings of the International Congress on Planning and Design Theory, sponsored by the ASME, August 1987, Boston.
1987	"Notes on Open Systems in Building Technology"; Building and Environment, UK, Vol. 22, No.2, 1987 (Pgs. 93-99)
1986	"Who's in Charge of Housing Innovation?" and "The Netherlands: Distinguishing Support and Infill"; ARCHITECTURE 10/1987 (Pgs. 87-94)
1985	"Teaching Housing: Teaching with Supports and Tissues"; Tulane University Teaching Housing Symposium, September 1985; ACSA Proceedings, Southwest Region Teaching Housing.
1984	"Teaching with Tissues: Reflections and Observations"; Open House International, Vol 9, No. 4, l984 (Pgs. 15-22)
1983	"The Grunsfeld Variations", a book review, Open House International, Vol. 8, No. 1, l983, pp. 47-49
1982	"Teaching with Supports", Open House International, Vol.7, No. 4, l982
1977	"An Intermediate Housing Technology for the U.S." Ekistics 259 June l977
1976	"The Idea of Structures of Agreement: Housing and Resettlement in the Philippines", Glass and Architecture, Japan, June, l976
1976	"The Barangay as Community in the Philippines." Ekistics 242 January l976

Technical Reports

2006	Homeworks: A New American Townhouse. Trafford Publishing, BC Canada.
2004	"An Open Building Approach to the Conversion of Obsolete Office Buildings." A Building Futures Institute report, produced by the Mansur Real Estate Services, Indianapolis.
2004	"Health by Design: An Interdisciplinary Curriculum;" with Tulay Guenes M.Arch II graduate student at BSU. October 2004. (Funded by Building Futures Institute, Department of Architecture, and the Department of Urban Planning)
2002	"Conversion of Vacant Office Buildings to Housing in the United States." Report to the research committee of SUMCOB, University of Tokyo. February 2002.
2002	Open Building: A New Paradigm for Health Architecture: The INO Hospital in Bern, Switzerland. A BFI Report (CD and at the BFI website)
2001	Final Report: "A Prototype Electronic Teaching Library" College of Architecture and Planning, Ball State University.
1998 - 2003	"Survey of Best Practices in Multifamily Rehabilitation: US Component of International Comparative Study"; for Jutaku Sogo Kenkyo Zaidan (Housing Policy Study Foundation) research project.
1998	Office Building Fit-out in the United States: Developments and Trends. 8000 word report for TNO Building Strategy Consultants, Delft, the Netherlands, and VTT Building Technology, Finland.

1997	Developments Toward Open Building: A Study of the Compatibility of Access Floors and Systems Furniture from Different Manufacturers. funded by the Joel Polsky Fixtures Furniture FIDER Endowment Fund.
1996	"Benning Park: The Story of a 276 Unit Residential Rehabilitation Project in Washington DC. "
1995	Developments Toward Open Building in Japan. Report on 25 Open Building related projects in Japan. Funded by Meiji University, Tokyo.
1994	"Systems Engineering Approaches to Development of Advanced Residential Buildings." Technology and Economics, Inc. RFP No. RAR-4-14061 National Renewable Energy Laboratory US DOE.
1994	"Open Building: A New Approach to Multifamily Residential Constructon Which Reconciles Consumer Preferences and Efficient Production"; funding source: ISID (International Society of Interior Designers).
1986	"Shell/Infill: A Technical Study of a New Strategy for 2x4 Housebuilding"; MIT Design and Housing Group, Department of Architecture.

Translation Support, and Paper/Research Proposal Reviewer

2000 - present	Reviewer of papers for CIB W104 Open Building Implementation international conference proceedings.
2006, 2010	Reviewer for South Africa's National Research Foundation (NRF) in evaluating the quality of the research proposals and outputs of Dr AOS Osman (Architecture, UNIVERSITY OF PRETORIA)
2006	Reviewer: "UPSTREAM PROBLEM-SOLVING UNDER UNCERTAINTY AND AMBIGUITY: EVIDENCE FROM AIRPORT EXPANSION PROJECTS" for the Transactions on Engineering Management
2006	Reviewer of Masters of Arts (Architecture) Thesis National University of Singapore: “TEMPORAL DIMENSIONS OF FLEXIBILITY IN SPACE USE: THE CASE OF MULTISTORY HOUSING IN INDIA.
2006	Paper Reviewer, Adaptables2006, Eindhoven, the Netherlands.
2006	Paper Reviewer, International Group for Lean Construction Annual Conference in Santiago, Chile.
2005	Invited Convener and keynote speaker of Session 10 of SB05 Tokyo: “Theories and Methods in Support of an Adaptable Building Stock”, with Professor Masao Ando, Chair, Department of Architecture, Chiba University, Tokyo. Paper reviewer.
2004	Paper reviewer, SB04 (Sustainable Building 04 in South East Asia)
2002	Utida, Yositika, The Construction and Culture of Architecture Today: A View from Japan (bilingual). Ichigaya Publishing Co., Ltd, Tokyo, 2002
2001	“Infill / Fit-Out Systems: Toward a Residential Infill Industry”. (Guest editor) Open House International, vol 26, no. 3,
1987	Guest Editor, June issue (vol.12, no.2), Open House International, special issue: "Changing Patterns of Housing in Japan".
1982-cont.	International Editorial Board, Open House International, international journal on design, research and practice in the field of housing.

Selected Citations and Recognition

2008 Boston Globe article: "The incredible, flexible, movable house: How we could save money, time, and the environment by making homes easy to remodel" by Rebecca Tuhus-Dubrow October 26, 2008.

2007 Writings and essays cited in the website of the Universidade Federal de Minas Gerais, Brazil - School of Architecture - Morar de Outras Maneiras (MOM) - "Living in other ways" (www.mom.arq.ufmg.br)

2007 in Open House International, vol 32, no 3, pp 90-91, book review by Michael Crosbie of Design Studio Pegagogy

2007 CIB Commendation for exceptional work as W104 joint coordinator

2007 Schneider and Till, Flexible Housing, Architectural Press, London.

2006 Hofman, Erwin (et al). "Variations in Housing Design: Identifying Customer Preferences". Housing Studies, vol 21, no 6, pp 929-943, (November)

2006 in Fine Homebuilding: "The Future of Homebuilding".

2005 Habraken, N.J. Palladio's Children. (Taylor and Francis, 2005)

2004 C.C.A.M. van den Thillart. Customized Industrialization in the Residential Sector: Mass Customization Modeling as a Tool for Benchmarking, Variation and Selection. Sun Publishers, Amsterdam (Invited quotation on book cover)

2003 Environmental Building News: "Future Proofing Your Building", Vol. 12, no. 2, February 2003.

2002 Tandogan, Elif. An Analytical Tool for the Evaluation of Open Building Projects MA Thesis, Bilkent University, Turkey, May 2002.

2002 Buntrock, Dana. Japanese Architecture as a Collaborative Process Spon, 2002

2001 Bensonwood Homes Home page: Open Building History and Theory http://www.bensonwood.com/openbuilt/index.html

2000 Faoro, Daniel (ed). A Renewal of Community: Highland Park, Detroit". The Detroit Studio, Lawrence Institute of Technology, 2001

2000 Tarpio and Tiuri. Infill Systems for Residential Open Building: Comparison and Status Report of Developments in Four Countries. Helsinki University of Technology 2000.

2000 PhD Dissertation of Dieter Ehlting, University of Dortmund " Building Systematics"

2000 Boosma, Koos. Housing for the Millions. John Habraken and the SAR (1960-2000). NAI Publishers, Rotterdam, 2000

1998 Habraken, N.J., The Structure of the Ordinary: Form and Control in the Built Environment. MIT Press, 1998 (Pgs xx and xxi)

Conference Coordination

2011 Joint Coordinator, CIB W104 Conference: Architecture in the Fourth Dimension, in conjunction with Build Boston/Boston Society of Architects, November

2010 Joint Coordinator, CIB W104 Conference: Open and Sustainable Building, Bilbao, Spain

2008 Joint Coordinator, CIB W104 Conference: Education for an Open Architecture, Ball State University

2007 Joint Coordinator, CIB W104 10th international conference, Cape Town; May.

2006 Initiator and co-organizer of a symposium on Building Information Modeling, hosted by the Indiana Construction Roundtable (November)
2006 INO Systems Separation Symposium, Canton Bern, Switzerland.
2006 Joint Coordinator, CIB W104 annual meeting at Adaptables2006, Eindhoven, the Netherlands, July 2006
2005 SB05 Tokyo; Invited Convener of Session #10: "Theories and Methods in Support of Adaptable Building"
2005 Health by Design Symposium, Ball State University, March 2005
2004 Joint Coordinator, CIB W104 10th international conference, Paris
2003 Joint Coordinator, CIB W104 meeting, Hong Kong
2003 Indiana Construction Roundtable Symposium: "Making the Business Case for Building Green, October 2003, Indianapolis.
2002 Indiana Construction Roundtable Symposium: "Open Building for Health Care: The case of the INO Hospital, Bern", Switzerland. December 2002.
2002 Joint Coordinator, CIB W104 meeting, Mexico City, Mexico
2001 Joint Coordinator, CIB W104 meeting, Delft, the Netherlands
2000 Joint Coordinator, CIB W104 meeting, Tokyo, Japan
1999 Joint Coordinator, CIB TG26 meeting, Brighton, UK
1998 Joint Coordinator, CIB TG26 meetings, Helsinki, Finland and Taipei, Taiwan.
1997 Joint Coordinator and organizer of the CIB TG26 meeting and Open Building Symposium, National Building Museum, Washington, DC. co-organized by CIB; Washington Building Congress; Washington DC Chapter, AIA; CADRE Corporation, University of Maryland School of Architecture and financially supported by 15 companies and firms.
1997 CIB Task Group 26 Open Building Implementation; Delft.
1996 CIB Task Group 26 Open Building Implementation; Tokyo.
1994 National Open Building Workshop, hosted by Armstrong World Industries, Innovation Center, Lancaster, Pa. (co-directed with David MacFadyen)
1994 National Open Building Workshop, hosted by FannieMae Office of Housing Research, Washington, DC. (co-directed with David MacFadyen)
1986 Workshop Coordinator, Third Biennial Shelter Workshop on Developing Countries , sponsored by the MIT Department of Architecture, Design and Housing Program, summer, l986 (Hamdi and Goethert, Directors)

Lectures and Presentations

2012 Lectures, Harbin Institute of Technology Department of Architecture, PRD
2012 Lectures, Tianjin University School of Architecture, Tianjin, PRC
2012 Lectures, Southeast University School of Architecture, Nanjing, PRC
2012 Invited lecture, New York City AIA Technology Committee: "Open Building as a Strategic Design Necessity." February
2011 Welcome lecture, Architecture in the Fourth Dimension, 17th Annual International Conference CIB W104; Boston. November
2011 Invited lecture at Kieran Timberlake Architects, Philadelphia, October
2011 Invited Keynote Speaker, University of Montreal conference on building systems industrialization (shared keynote with Stephen Kieran); September

2010 Invited panelist at the 9th Collaborative Session of the Rice University Building Institute: "Flexibility: Designing for Uncertainty and Change in Healthcare and Facilities," Washington DC, November 3-4.

2010 Invited panelist at the Festival della Creatività of Florence promoted by Regione Toscana and by Fondazione Sistema Toscana, Florence, Italy: "Social Housing: Sustainable and Temporary?"

2010 Invited lectures at Tamkang University, National Taiwan University of Science and Technology in Taipei, and The National Kaohsiung First University of Science and Technology, Kaohsiung, Taiwan.

2010 Invited lecture May 25: Balancing Stability and Change: Open Building in Practice Internationally at ETSAB Barcelona Master Laboratory de la vivienda del siglo XXI

2010 Invited Seminar participant: Fields of Interaction, May 20, EPS – Universidad CEU San Pablo, Madrid, Spain

2010 Keynote lecture, CIB W104 Open and Sustainable Building Conference, Bilbao, Spain.

2010 Invited participant at seminar on Healthcare Estate Planning Strategies for Long – term Asset life. May. Medical Architecture Research Unit, London South Bank University

2009 Lecture to students and faculty at ITS, Surabaya, Indonesia, December 2009

2009 Jury of student work at the Bern University of Applied Sciences Department of Architecture, June 2009

2009 Paper presentation at the College of Architecture and Planning Faculty Symposium: "How I Approach Interdisciplinary Education"

2009 Invited public lecture at the Bern Kornhaus Forum, June 2009 – "International Developments Toward Open Building"

2009 Invited Open Building Workshop and Lecture ("Hospitals on the Time Axis"), University of Florence, Department of Architecture, June 2009

2009 Lectures and workshops with PhD students, University of Hong Kong School of Architecture.

2009 University of Tennessee, College of Architecture and Design: Workshop with students and public lecture: Open Building for the Health Care Sector. (October 2009)

2008 "Teaching Architecture Students to work with Distributed Design". CAP Faculty Symposium, April 2, 2008

2008 "Homeworks: Getting what you want behind your front door"; HERA National Conference (Housing Educators Research Association), Indianapolis, October.

2008 Roundtable: Change-Ready Hospitals: "Why We Don't Get What We Say We Want"; Healthcare Design 08, Washington DC.

2008 Introductory lecture: Education for an Open Architecture conference, Ball State University, October 20, 2008.

2008 Invited lecture: "Residential Open Building"; Long Life Housing Research Center, Korean National Housing Corporation, Seoul, South Korea, June

2008 Invited lecture to students -Harvard GSD: "Residential Open Building" April

2007 International Symposium: Building Stock Activation, Tokyo, November

2007 National Taiwan University of Science and Technology, July

2007 International Symposium on Housing Sustainability and Industrialization, Beijing, China, (June)
2007 Lecture at BIAD (Beijing Institute of Architectural Design) (June)
2007 University of Pretoria, School of Architecture, South Africa. (May)
2007 CIB World Congress, Cape Town, South Africa (May)
2006 Symposium on Change-Ready Hospitals"; Ministry of Health, Lisbon, Portugal (December)
2006 INO Symposium Introductory Lecture, Bern, Switzerland (July)
2006 Korean National Housing Authority, Seoul, Korea (June)
2006 Ewha University, Seoul, Korea (June)
2006 Korean Institute of Construction Technology, Seoul, Korea (June)
2005 CIB W96 Architectural Management, Copenhagen (October)
2005 Technical University Berlin: Laboratory for Integrative Architecture, Department of Architecture
2005 Moscow Architectural Institute, Russia
2005 Sustainable Building 05 Tokyo; co-convener Session #10: Theory and Methods in Support of Adaptable Buildings; keynote paper. (Sept. 05)
2004 Tokyo Metropolitan University, Meta-Technology Center for Metropolitan Metamorphosis Methods, Tokyo, Japan. International Workshop on Activation and Renewal of the Building Stock (panel moderator)
2003 Greening of the Campus Conference, Ball State University
2003 Kyoto University, Department of Architecture, Kyoto, Japan
2003 Tokyo Metropolitan University, Meta-Technology Center for Metropolitan Metamorphosis Methods, Tokyo, Japan
2003 University of Tokyo, Department of Architecture, Tokyo, Japan
2003 International Lean Construction Institute Conference, Blacksburg, VA.
2003 International Association of Housing Science Keynote Speaker, Montreal.
2003 National Association of Home Builders 2003 International Builders Show; National Consortium of Housing Research Centers educational session Profit and Opportunity beyond Traditional Building Practices: "Product Bundling or Kitting". January 22, 2003.
2002 Kansas State University Department of Architecture: "Making Accommodating Form"
2002 10th Annual Symposium: Construction Innovation and Global Competitiveness, University of Cincinnati
2002 Lawrence Institute of Technology Department of Architecture
2001 TU Delft Agile Architecture Conference
2001 Shenzhen University, Department of Architecture, PR China
2001 University of Hong Kong, Department of Architecture
2001 Muncie Rotary International
2000 Lawrence Institute of Technology Department of Architecture
2000 University of Colorado, College of Environmental Design
1999 Two lectures in Korea: 10th Annual Korean Housing Association, Kwanju; Culture and Housing Seminar, Yongsei Univesity, Seoul, Korea.
1999 "The Role of Non-Profit Organizations in Rehabilitation of Multiunit Residential Buildings" Conference on Modernization and Renovation of Existing Multifamily

Buildings of the Mass-Housing Era, Jutaku Sogo Kenkyu Zaidan (Housing Policy Study Foundation), Tokyo, Japan.

1998 "Beyond Programmatic Functionalism: The Prospects for Open Building"; Proceedings, International Symposium on Open Building, Taipei, Taiwan.

1998 Paper: "Open Building: An Approach to Sustainable Construction" Proceedings, CIB World Congress, Gävle Sweden

1998 Paper: "Basic Principles of Open Building", International Open Building Conference, Helsinki, Finland

1998 Design Forum Roundtable: Haworth Inc, Grand Rapids, Michigan.

1998 Paper: "Open Building: Opportunities for Manufacturers". Georgia Institute of Technology, School of Architecture, Industry Roundtable. April, 1998

1997 Paper: "Housing Prepared for Adaptable Permanence"; International Sociological Association Research Committee 43 - Housing and the Built Environment International Conference, Alexandria, Virginia; June, 1997.

1997 Paper: "Assessing Access Floor and Systems Furniture Interfaces"; Interior Design Educators Council International Conference, Cincinnati, Ohio.

1996 Panel Organization and Presentation, Build Boston / AIA Changing Workplace Symposium, Boston, November 1996; with Jack Beckering, Steelcase North America, and Professor John Habraken, MIT.

1996 Ministry of International Trade and Industry, Tokyo: House Japan Project presentations on DIY Activity in the US and Housing Performance Indicators for Consumers in the US.

1996 Paper presentation, IDEC International Conference, Denver.

1995 Paper presentation "Prospects for Open Building in the United States Housing Industry", Nanjing, PRC.

1995 Meiji University, Chiba University, Tokyo Metropolitan University, Takenaka Corporation, The Architectural Institute of Japan; seven lectures on building systems, open building, and "The Entangled American House".

1995 Tainan, ROC (National Cheng-Kung University) , and Taipei, ROC; Workshops on Open Building in the Asia-Pacific Region: "Prospects for Open Building in the United States".

1994 International Congress on Design and Decision Support Systems, Vaals, The Netherlands; "Control of Parts: Parts Making in the Building Industry".

1994 Latrobe Society Washington Chapter, Society of Architectural Historians, "Beyond the Mall"; National Building Museum; paper: "Greenbelt, Maryland: Continuity and Change".

1994 MIT Department of Architecture, Department of Architecture, visiting lecturer for Professor Eric Dluhosch

1993 Steelcase North America Workshop "Revaluing Buildings: Investing Inside Buildings to Support Organizational and Technical Change", Grand Rapids.

1992 MIT Department of Architecture Building Technology Program seminar: "The Entangled American House".

1992 10th Annual ACSA Technology Conference, U C San Diego; paper:" Building Capacity: Preparing Residential Buildings for a Sustainable Future."

1991 Architectural Research Centers Consortium Conference: "Reflections on Representation", SUNY Buffalo (paper presented)

1991 Living Amenity Association of the Center for Better Living (MOC); Architectural Institute of Japan, Subcommittee on Wooden Construction.
1991 9th ACSA Technology Conference, Harvard University; "Teaching About Making Buildings: A Way to Understand Relations of Designing to Making".
1990 "Recent Dutch Experience in Combining Production and Custom Housing"; report on emerging housing practices to the AIA Housing Committee.
1989 Building Virginia 89 Sponsored by the Virginia Society of the American Institute of Architects, Task Force on Social Responsibility, Oct, "A New Paradigm for Affordable Housing".
1989 Seminar presentation to the National Association of Homebuilders National Research Center, "Infill Systems in the US Market"
1989 7th Annual ACSA Technology Symposium, Baton Rouge. La., Paper title: "On Design Reasoning: Lessons from Teaching Architectural Technology".
1989 MIT Department of Architecture Workshop on "Open Building Research and Practice"; session moderator on "Implications of Open Building for the US"
1988 CIB Working Commission 89, Building Research and Education, London, "Can Building Research Make Good Pedagogy?"
1987 Invited Paper presentation; Wood Frame Housing '87 International Conference, Oslo, Norway, Sept. 1987: Session 3 Production and Economy: "Shell/Infill: A Technical Study of a New Strategy for 2x4 Housebuilding". (Sponsored by Weyerhaeuser Company)
1987 Panelist, "Future Technologies and Methods for the Housing Industry; National Association of Homebuilders Convention.
1986 Round Table Participant; Swedish Housing Technology Colloquium, Mississippi State University School of Architecture, 1985 Department of Architecture, State University of New York at Buffalo; seminar and teaching results on Support Housing.
1984 Departments of Architecture, University of Tokyo; Kyoto University; Osaka University; Chiba University.
1982 Environmental Design Research Association EDRA 13, workshop participation: "The Design Professions: Research on the Design Professions: Implications for Professional Education and Practice".

Architectural Competitions

1985 Architect of Record with Paul Lukez, Designer; INFILLHOUSING Competition for Harlem; Honorable Mention.
1975 Initiator and Coordinator of entry to the INTERNATIONAL DESIGN COMPETITION IN MANILA (in preparation for Habitat/ Vancouver); work at the SAR in Holland with international team of architects.
1974 STEEDMAN COMPETITION IN ARCHITECTURE, sponsored by Washington University School of Architecture. Winner: Neighborhood Revitalization/ Rehabilitation (Project). ($5000 prize for international travel in the Netherlands, Japan, the Philippines, and Puerto Rico)

Professional Consulting

2011-12 Sunty Development Company, Taipei, Taiwan

1996-1997	Bensonwood Homes Company, Inc., New Hampshire (Timber Frame Builder implementing Open Building in design and construction)
1996	Ministry of International Trade and Industry, Tokyo (technical reports)
1994	Armstrong World Industries (advising)
1990	Matura International, Delft, The Netherlands (advising and technical services)
1990	General Electric Living Environments (consulting on building systems)
1989	Infill Systems, Inc, Netherlands, representing the company at the opening of the GE Living Environments Prototype House.
1988	USG, Technology Planning Group, Research Center, Report on Infill Systems development in the Netherlands and Japan.
1988	G.E. Advanced Design and Development Group, Pittsfield, Mass. Presentation of Infill Systems concepts.
1987	Workgroup KOKON, Architects, Rotterdam, developed team of architects, contractors and development professionals for Battery Park City Authority Affordable Family Housing Project, NYC. SOM, Architects; Turner Construction, Ballast Nedam; short listed
1987	Weyerhaeuser Company: report on Dutch developments on Infill Systems for housing, and Wood Frame Housing '87 Conf. in Oslo.

Academic and Professional Service

- Consultant to the research group PRAXIS, Department of Projects of the School of Architecture - Universidade Federal de Minas, Gerais, Belo Horizonte, Brazil
- Search Committee, Rinker Center for International Programs, for a Director of International Student Recruiting – Spring 2009
- Department of Architecture Department Leadership Council
- Reviewed PhD students Department of Architecture, Univ. of Hong Kong, 2009 + 2010
- Director, Masters of Architecture Professional Program, 2008 - 2010
- Reviewer: Masters of Architecture Thesis – National University of Singapore
- Reviewer: IEEE Transactions on Engineering Management
- Review Panel: Engineering and Physical Sciences Research Council, United Kingdom. Invited reviewer of a proposal for a Health and Care Infrastructure Research Innovation Center. November 2005
- Department of Architecture Merit Salary Committee (2004-2006; 2011-2012)
- Department of Architecture Promotion and Tenure Committee (2007-2009)
- Department of Architecture search committees (2002-2009)
- Department of Architecture Curriculum committees (2000-2005; 2007-2008)
- Assistant Chair, Department of Architecture (2001-2003)
- College of Architecture and Planning representative – University Graduate Education Committee; chair, subcommittee on Electronic Thesis and Dissertations (2002-2003)
- College of Architecture and Planning representative – University Academic Policies Committee (2004 - 2006)
- Joint Coordinator, CIB Commission W104 Open Building Implementation (1996-present)
- Editorial Board, Open House International (a peer reviewed journal) (1985-present)
- Vice-Chair for Research, National Consortium of Housing Research Centers (2003-2005)
- Education Committee, Indiana Construction Roundtable (2003-2005; 2006-2007)

Professional Practice and Business

2011	Started INFILL SYSTEMS US LLC
1978-81	The Christner Partnership, St. Louis, MO. Associate. (Design principal for schools, hospitals, renovation, private residences, medical office buildings - work ranging from $300,000 to $40 million)
1975-81	Private projects (residential design, projects built in Missouri, Illinois, and Puerto Rico; design/build in Illinois and Puerto Rico
1971-72	The Hillier Partnership, Princeton, NJ. (Architectural schematics and CD's)

Professional Registration, Memberships

- Architectural Registration Missouri (1979) Number A-3796 (inactive)
- Member, CIB (International Council for Research and Innovation in Building and Construction) (1996 – present)
- Joint Coordinator, CIB W104 Open Building Implementation
- President, Infill Systems US LLC

Civic Roles

- Vice President, Kenmore Neighborhood Association; Convener "Tillotson Corridor Subcommittee", Muncie, Indiana

REFERENCES:

- Professor Jon Coddington, Head Department of Architecture, Drexel University, Philadelphia, Pennsylvania | jpc326@drexel.edu
- Dr. Jia Beisi, Associate Professor, University of Hong Kong, Polfulum Road, Hong Kong | bjiaa@hku.hk
- John Habraken, Emeritus Professor of Architecture, Former Head, Department of Architecture, Massachusetts Institute of Technology | habraken@xs4all.nl
- Dr. Kazunobu Minami, Professor of Architecture, Shibaura Institute of Technology, Tokyo | k-minami@sic.shibaura-it.ac.jp
- Dr. Shao Yu, Professor of Architecture, Vice-Dean, Department of Architecture, Harbin Institute of Technology, China. shaoyuu@163.com