

Curriculum Vitae

RICHARD S. LEVINE

Architect, Registered, Kentucky #1615, NCARB
Lead Architect, CSC Design Studio
Professor of Architecture
Director, Center for Sustainable Cities
College of Design
University of Kentucky
Lexington, Kentucky 40506-0041

M. Arch. Rensselaer Polytechnic Institute, 1963
B.S. Arch. Rhode Island School of Design, 1962

University of Kentucky, Professor, 1984 to present
Associate Professor, 1968-1984
Assistant Professor, 1965-1968
Auburn University, Assistant Professor, 1963-1965

Memberships:

Director of Research, Oikodrom, Vienna, Austria
Scientific Director, Stadtplaene, Vienna, Austria
Sustainability Division, American Solar Energy Society, Founding Chair, 1992 -95
Kentucky Natural Energy Society, Founding President.
Kentucky Solar Coalition, Board Member.
University of Kentucky Solar Coordinating Committee, Vice Chairman.
Safe Alternatives for Energy, Member.
American Solar Energy Society, Member Passive Division, Board Member Architecture and Construction Division.

Publications:

- Low Hanging Fruit Article in Sustainability- the Journal of Record.
- "Sustainable City-Regions: Mega-Projects in Balance with the Earth's Carrying Capacity" with Michael T. Hughes, Casey Ryan Mather, and Ernest J. Yanarella, presented at Engineering Earth: The Impacts of Mega-engineering Projects conference, July 2008 (to be published) 2008
- "Sustainability as a Design Process: Transcending Social Constructivism," with Michael T. Hughes, Ernest J. Yanarella, and Casey Ryan Mather, Journal of Architectural Education (submitted, awaiting critiques) August 2008
- "Generating sustainable towns from Chinese villages: A system modeling approach," with Michael T. Hughes, Journal of Environmental Management 2008
- China Symposium, University of Kentucky, Lexington, United States, 2008
- "Sustainability Over Time: The New Imperative for Future Urban Development," with Michael T. Hughes, Casey Ryan Mather, and Ernest J. Yanarella, ARUP Conference, Ein Shams University, Cairo Egypt, to be presented October 2008
- "City deserves first-class building on old Woolworth block," Op-Ed piece, Lexington Herald-Leader, July 2008
- "S-PATH: A Sustainable Town-as-a-Hill for Korea," with Michael T. Hughes and Casey Ryan Mather, Presented at ACSA Houston, Texas, March 2008
- "Buildings in Conflict at UK?" Op-Ed piece, Lexington Herald-Leader, January 2008
- HAMMAM Project Site Reports to be included as chapters two books (in preparation), 2006-2008

- "The Sustainable City-Region: A Systems Approach," with Michael T. Hughes and Casey Ryan Mather, BOKU Symposium HAMMAM Project, Vienna, Austria, November 2007
- Korea Public Administration Town-as-a-Hill Urban Design competition entry, published in "International Master Plan Competition for Public Administration Town" competition book, 2007
- "BIM and Sustainability: An Immanent Convergence," with Michael T. Hughes, Casey Ryan Mather, and Ernest J. Yanarella, Presented at ACADIA 2006 Conference, Louisville, Kentucky, 2006
- "Sustainability as a Design Process: Transcending Social Constructivism," with Michael T. Hughes, Casey Ryan Mather, and Ernest J. Yanarella, Journal of Architectural Education (unpublished submission), July 2006
- "It Takes a Village: A Scientific Design Process for Generating Sustainable Cities in China," with Michael T. Hughes, Casey Ryan Mather and Ernest J. Yanarella –presented at The 12th Annual International Sustainable Development Research Conference, Symposium, and Exhibition on SUCCESS Project Hong Kong, China, April 2006
- "The Sustainable City Game: Systems Dynamics Modeling Toward a Democratic Urban Design Process," with Michael T. Hughes, Ernest J. Yanarella, Casey Ryan Mather – presented at the CORP conference, Vienna, Austria
- "Designing the Future Sustainable City: Projecting Sustainability from Seven Villages in China," with Michael Hughes and Casey Ryan Mather – presented at the PLEA conference, Beirut, Lebanon, November 2005
- "The Proto-Sustainable Chinese Village as Generator of the Future Chinese City," with Michael Hughes, Casey Ryan Mather, Heidi Dumreicher, Lv Hongyi – presented at the XXII UIA World Congress: Grand Bazaar of ArchitectureS in Istanbul, Turkey, July 2005
- "Thesaurus of Sustainability" with Michael Hughes and Casey Ryan Mather– Sustainable Users Concepts for China Engaging Scientific Scenarios (SUCCESS), June 2005
- "Sustainable Scenario-Building: A Systems Dynamics Approach," with Michael Hughes and Casey Ryan Mather – presented at the International Symposium on Sustainable Development Strategy for Chinese Rural Communities, Beijing, China, April 2005 and The Research Center for City and Region, (SASS) Shanghai Academy for Social Sciences, Shanghai, April 2005
- "Sustainable Cities: A Strategy for a Post-Terrorized World," Levine, Richard S., Ernest J. Yanarella, Taghi Radmard, and Heidi Dumreicher, Terrain.org: A Journal of the Built and Natural Environments. #13 Summer/Fall 2003, www.terrain.org/articles/13/strategy.htm
- "Deep Sustainability: Architecture's Contribution to a New Paradigm," ACSA (Association of Collegiate Schools of Architecture) Annual Meeting 2003, Louisville, KY
- "The Alternative to Terrorism: Sustainable Cities vs. Globalization," with E.J. Yanarella, Kentucky Political Science Association, 2003
- "Sustainable Cities: An Alternative in a Post-Terrorized World," with E.J. Yanarella, H. Dumreicher, T. Radmard, UIA (International Union of Architects) Triennial Congress, Berlin, Germany, 2002
- "Some Thoughts on Sustainable City-Regions in China," Stadtplaene#25, January 2002
- "What is Sustainable About the Westbahnhof Sustainable Urban Implantation Project? Oikodrom China Symposium, Vienna, Fall 2001
- "The Raven Run Solar House," book chapter in Eco-Houses, Sue Roaf, et al.ed., 2001, the Architectural Press, London, England, 2001
- "A Complete Local Agenda 21 Process: The Appropriate Relationship of People, Design, and Science" Levine and Ernest J. Yanarella, HDP-A Symposium, Human Dimensions Research in Austria and in Central European Countries, Graz, Austria, 2001.
- "Beyond Sustainability Indicators: The Sustainable Area Budget," Regional Sustainable Development: Making Sustainable Development Visible: Indicators for Regional Sustainable Development," Graz, Austria, November 2000
- "The Discipline of Sustainable City-Regions," TIA 2000 Conference (Teaching in Architecture), Oxford University, Oxford England, Spring 2000
- "The Appropriate Scale for "Low Energy": Theory and Practice at the Westbahnhof," PLEA (Passive and

Low Energy Architecture) Conference, Cambridge University, Cambridge,"

--" Time and Speed in the City", Stadtplaene#22, April 2000

--" The space of flows, the rules of play, and sustainable urban design: the Sustainability Game as a tool of critical pedagogy in higher education," with E.J. Yanarella, H. Dumreicher, International Journal of Sustainability in Higher Education, v.1 #1, 2000

--"Generating Models of Urban Sustainability: Vienna's Westbahnhof Sustainable Hilltown", with H. Dumreicher, E. Yanarella and T. Radmard, book chapter in Achieving Sustainable Urban Form, Jenks, Burton and Williams ed. London:Routledge, Ltd. 2000

--"Sustainable City Implantations for European Cities: The Vienna Westbahnhof Experience", REBUILD – The European City Conference, Barcelona, Spain, October 1999

--"Ein Urbanes Nachhaltigkeits Projekt, ed. H. Dumreicher, Oikodrom, Vienna, 1999

--"The Sustainable City of the 21st Century:Westbahnhof Vienna - Theory and Practice", with H. Dumreicher, E. Yanarella and T. Radmard, XXth UIA Congress, Beijing, China, June 1999

--"Cities and Regions: Co-Evolution Toward Sustainable Development," with E. Yanarella and H. Dumreicher, at the Regions - Cornerstones for Sustainable Development Conference in Graz, Austria, October 1998

--"Wright Mind: The Prairie House as a Systems Game," at the Frank Lloyd Wright Conservancy Conference in Chicago, September 1998

--"The Sustainable City of the 21st Century: Westbahnhof, Vienna, - Theory and Practice," with H. Dumreicher, T. Radmard and E. Yanarella, at the EUROSOLAR Conference (Solar Energy in Architecture and Urban Planning), in Bonn, Germany, June 1998

--"Constructing Sustainable Cities: Vienna's Sustainable City Implantation," with H. Dumreicher, at the ACSA International Conference in Rio de Janeiro, June 1998

--"A Comprehensive Approach to the Future of the European City: Sustainable Hilltown Vienna," with H. Dumreicher, T. Radmard and E. Yanarella, at the Rebuild the European Cities of Tomorrow, 2nd European Conference, May 1998, Florence, Italy. (Presented by Dr. Dumreicher)

--"Sustainability and the Sun," Stadtplaene # 13, December 1997

--"Nachhaltige Stadt:Theorie und Praxis am Beispiel Wien Westbahnhof," with H. Dumreicher, Stadtplaene # 12, September 1997

--"Cyberspace versus LivingSpace," Stadtplaene # 10, February 1997

--"Nachhaltiger Stadthugel," with H. Dumreicher, 34pp., Vienna, December 1997

--"Nachhaltiger Stadthugel Wien-Westbahnhof: Wirtschaftliche Aspekte,' (Economic Aspects) Ed., H. Dumreicher, 231 pp, September 1997

--"The Emerald City: a Sustainable City Game," with Dennis Marshall and Ernest J. Yanarella, G.I.V.E. Conference, (Globally Integrated Village Environments) Vienna, Austria, February 1997

--"Cyberspace vs. LivingSpace," in Stadtplan # 10, 2/97, Vienna

--"The Sustainability Engine® and the City," in Stadtplaene #6, 1/96, Vienna

--"Letter from Nowhere: From the Edge to the Center," in Stadtplaene#7, 2/96, Vienna

--"A Sustainable City Implantation for Vienna- Phase II," with H. Dumreicher, T. Radmard, E. Yanarella, Fourth European Conference on Solar Energy in Architecture and Urban Planning, Berlin, April 1996

--"Strategie für eine nachhaltige Zukunft: Sustainable Village Implantations," Stadt und Mensch.: Zwischen Chaos und Ordnung, Ed. Dirk Roller, Peter Lang, Europäischer Verlag der Wissenschaften, Frankfurt am Main, 1996

--"Un Progetto per Vienna," (with Heidi Dumreicher) La Città e` Nuda, Volontà-Laboratorio de Ricerche Anarchiche, ed Franco Buncuga, Milano, Italy

--"Chattanooga Turnaround," Robert Frenay, Audubon Magazine, Jan.-Feb. 1996 (Numerous quotes and references to Levine's work)

--"Stadthugel Wien Westbahnhof, Zweiter Teil-Die Dreidimensionale Stadt," (with Heidi Dumreicher), Oikodrom, Wien, Center for Sustainable Cities, February 1996, 117pp

--Articles referring to Levine's work in: Architrionics(www), Toledo Blade, Farmland News, Chicago Greens(www) 1996

- "A Sustainable City Implantation for Vienna Austria," and "The European Charter of Cities and Towns Towards Sustainability," both at the Annual Meeting of the American Solar Energy Society, Minneapolis, Mn, June 1995.
- "The City in the Computer," The Telematic City Conference, Gelsenkirchen, Science Park, Gelsenkirchen, Germany, September 1995.
- "Die nachhaltige Stadt-eine Vision," Symposium keynote, and Ein nachhaltiges Stadtviertel am Beispiel des Stadthugelprojekts Wien-Westbahnhof, workshop presentation, both at 2005 Symposium Nachhaltige Stadtentwicklung (Sustainable City Development), City of Linz, Design Center Linz, Austria, September 1995.
- "Wien- Westbahnhof," at UTEC, Vienna Institute on the Future (WIZK), Vienna, Austria, October 1995.
- "The City-as-a-Hill," at Urban Utopias: New Tools for the Renaissance of the City in Europe, European Conference, Sponsored by the European Commission and the Technical University of Berlin, Berlin, Germany, November, 1995.
- "The European Charter of Cities and Towns Towards Sustainability," (The Aalborg Charter), The European Conference of Cities and Towns Towards Sustainability, principal author and negotiator, Aalborg, Denmark, May 1994
- "What Does Sustainability Mean? - an Ecosystem approach to Urban Management," Keynote Address, The European Conference of Cities and Towns Towards Sustainability, Aalborg, Denmark, May 1994.
- "Implementing the Sustainable City in Europe, and Theoretical basis for the Sustainable City in Europe," The European Conference of Cities and Towns Towards Sustainability, Aalborg, Denmark, May 1994
- "Sustainable/Sustainability?" with Ernest J. Yanarella, "Face to the Sun," with John Morris Dixon, - Stadthugel-Hugelstadt with Heidi Dumreicher, Stadtplaene #1 Vienna, September 1994
- "Sustainability as a Self-Validating Process: The Mendes Guest House - an Architectural Example," 19th National Passive Conference, ASES, San Jose, California, June 1994
- "From Here to Sustainability: Montenero - a Gift from the Past to the Future," 19th National Passive Conference, ASES, San Jose, California, June 1994
- "Don't Pick the Low-Lying Fruit: Sustainability from Pathway to Process," 19th National Passive Conference, ASES, San Jose, California, June 1994
- "A Strategy for Negotiating a Sustainable Future: Sustainable Village Implantations," First International Conference on Global Integrated Village Environments, GlobalVillage '93, June 1993, Vienna, Austria
- "Engineering, Design and Sustainability," EUROSOLAR '93, European Congress on Architecture and Solar Energy, May 1993, Florence, Italy
- "Sustainability and the Three Realms of Discourse," 18th National Passive Solar Conference, Washington D.C., April 1993
- "Agricultural Tourism and The Recuperation of the Medieval Borgo of Montenero: Agritop Umbria's Vehicle for Developing Local Sustainability," Design Research Project Report, Todi, Italy December 1993
- "The Sustainable Cities Manifesto: Pretext, Text and Post-text," with Ernest J. Yanarella, Built Environment, Volume 18, Number 4, 1992
- "Umbria: Una Regione Sostenibile di Citta` Sostenibili," Convegno Internazionale di Sviluppo Sostenibile, November 1992, Perugia, Ital
- "Does Sustainable Development Lead to Sustainability?," with Ernest J. Yanarella, FUTURES, October 1992
- "Todi Come una Citta` Sostenibile," keynote, Inauguration Convocation Academic Year Universita` della Terza Eta, October 1992, Todi, Italy
- "Design as the Operative Model for Generating Sustainable Cities," Second International Congress on Energy, Environment and Technological Innovation, Rome, Italy, October 1992.
- "The Five Operating Principles for Sustainable Cities," with Ernest J. Yanarella, 17th National Passive Conference, ASES, Cocoa Beach, Florida, June 1992.
- "Order and Chaos: Conflict as the Source of Creativity in the Necessary Utopia of the Future," 4th International Utopian Studies Congress, Rome, Italy, May 1992.
- "The Two Step Process for Generating Sustainable Cities," with Taghi Radmard, Second International

Ecological Cities Conference, Adelaide, Australia, April 1992.

- "Todi Citta del Futuro," and "Come Todi Puo Divenire Citta Ideale e Modello per il Futuro," in *Il Sole Venti Quattro Ore*, Milano, Italy, November 28, 1991
- "Passato Come Futuro," *Citta Viva*, December 1991 Plus over two dozen newspaper and magazine articles in Italy, France, Germany, and Switzerland, reporting on my keynote lecture titled "The Sustainable City of the Past and the Sustainable City of the Future," at a conference in Todi, Italy, titled, "Tutela di una Cultura, Valorizzazione di una Identita", 12 October 1991.
- "Development of a Computer Aided Design Model for Generating the Sustainable City," with Ernest Yanarella, Taghi Radmard and David Harper, ISES World Solar Congress, August 1991, Denver, Colorado
- "The Once and Future Sustainable City, with Ernest Yanarella," ISES World Solar Congress, August 1991, Denver, Colorado
- "Sustainability -- The Principle, Its Potential and Limits as Explored in Architecture and Urban Design," The First International Ecocity Conference, Berkeley, California, March/April 1990
- "Sustainable Village Implantations," with Taghi Radmard, ASES, Annual Conference, 15th National Passive Conference, March 1990, Austin, Texas
- "Sustainable Cities Manifesto," with Ernest J. Yanarella, ASES Annual Conference, 15th National Passive Conference, March 1990, Austin, Texas
- "Does Sustainable Development Lead to Sustainability?," with Ernest J. Yanarella, 15th National Passive Conference, March 1990, Austin, Texas
- "New Hope II: Moving Closer to a Sustainable Community," ASES Annual Conference/14th National Passive Conference, June 1989, Denver, CO
- "The Sustainable City," interview with Anne Frye, *Open Eye*, Spring 1989.
- "New Hope: An Energy Self Sustaining Community," Final Grant Report to the Kentucky Energy Cabinet, May 1988.
- "Restructuring the Medieval City," *Citta Viva*, December 1987.
- "The Future Medieval City," *Space and Society*, April-June, 1987.
- "Brave New House," Ira Simmons, *Louisville Courier-Journal, Magazine*, Sunday, March 15, 1987, p 10-15.
- "A Modest Proposal: The Sustainable City," 3rd International conference on Making Cities Livable, Venice, Italy, June 1987.
- "Sustainability and Livability in the Future Medieval City," 2nd International Conference on Making Cities Livable, Venice, Italy, June 1986.
- "The Sustainable City: A Necessary Utopia," 2nd International Conference on Utopian Studies, "Theory and Praxis in the Modern and Postmodern Era, Rome, Ravello, Reggio Calabria, Italy, May 1986.
- "The Medieval Italian Hill Town as a Sustainable Community," 10th National Passive Solar Conference, ASES, October 1985, Raleigh, N.C.
- "Skyfloat: A Simple Roof Pond," 10th National Passive Solar Conference, ASES, October 1985, Raleigh, N.C.
- "Form vs. Substance: The Necessity for a Sustainable Architecture," 9th National Passive Solar Conference, ASES, September 1984, Columbus, Ohio.
- "New Hope: A Sustainable Community," 9th National Passive Solar Conference, ASES, September 1984, Columbus, Ohio.
- "Return of the Sundow," 9th National Passive Solar Conference, ASES, September 1984, Columbus, Ohio.
- "Through the White Hole: A Guide to Post Miesianism," *Space and Society*, March 1984.
- "Formal Speculations on Thermal Diagrams," Harrison Fraker, *Progressive Architecture*, April 1984.
- "Raven Run: Integration Toward Sustainability," *Space and Society*, December 1983.
- "Friendly Homes: A Sustainable Community," Second International P.L.E.A. (Passive and Low Energy Architecture) Conference, Rethymnon, Crete, June 1983.
- "Mit der Sonne Bauen," *E & P Wohnen*, Michael and Hedy Wachberger, p. 126-127; 132-133, Callwey,

Munchen, 1983.

- "Passive and a Sustainable Future," Progress in Solar Energy, p. 76, Passive Division, ASES, 1983.
- "A Slice off the Cube," Fine Homebuilding, August-September 1983, p. 26-30.
- "Glass Under Glass" (Hooker Office Building), Progressive Architecture, April 1983, Annual Energy Issue, p. 82-85.
- "An Architecture of Sustainable Values," 71st Annual Meeting, ACSA, March 1983, Santa Fe, NM.
- "The Raven Run Solar House," A + U (Architecture and Urbanism), February 1983, p. 101-105.
- "Solar Architektur," Wohnbau, February 1983, Cover and p. 8 & 9.
- "The Coupled Pan Space Frame: A Structural Framework for Energy Conserving Buildings," 7th National Passive Solar Conference, ASES, August 1982, Knoxville, TN.
- "Energy as Catalyst for a New Architecture," AS/ISES Annual Meeting, May 1981, Philadelphia, PA.
- "Powerless Design: U.K. Professor Wins National Award with Energy-Saving Building System," Thomas Tolliver, The Lexington Leader, p. A-3, April 2, 1981.
- "Face to the Sun," (Raven Run), Progressive Architecture, April 1981, Annual Energy Issue, p.142-145.
- "Integrative Generation of Form," Annual Regional ACSA Meeting, Columbus, OH, 1980.
- "Progressive Architecture," April 1980, Annual Energy Issue, Hooker Building, Energy Consultant.
- "Housing Man in a Changing World: Innovations and Alternatives," with D.B. Colliver, ASAE Annual Meeting, San Antonio, 1980.
- "The Solar Context in Energy Conscious Design," chapter in The Kentucky Solar Energy Handbook, 1979. Revised 1980.
- "Thermal Shutters and Shades," W.A. Shurcliff, 1980, p. 7-8;128-130.
- "Integrative Design," Alternate Sources of Energy Magazine, November/December 1979
- "Form Follows Synergy: A Gentle Revolution in Architecture," Second International ICEUM Conference, Los Angeles, 1979.
- "The Sundow," 4th National Passive Conference, Kansas City, October 1979.
- "Integrative Solar Design: An Explication of Raven Run," SESCO Annual Meeting, Prince Edward Island, Canada, August 1979.
- "Sundows: The Best of Both Worlds," SESCO Annual Meeting, Prince Edward Island, Canada, August 1979.
- "Passive Systems" '78, ISES, American Section, p. 106-110, 1978.
- "The Levine House," Nancy DuVergne Smith, New Age, p. 33, April 1978.
- "Sundows and Windows," ISES, American Chapter Annual Meeting, Denver, September 1978.
- "Integrative Design: The Raven Run Solar House," Second National Passive Solar Conference, Philadelphia, March 1978.
- "A Multistage Solar Energy Collector," U.S. Patent #4,092,978, June 1978.
- "Observations on Energy Use in Buildings," Richard G. Stein FAIA, Energy and Architecture, Journal of Architectural Education, Vol. XXX, No. 3, p. 40, February 1977.
- "An Integrated 100% Solar Heated/Cooled Solar House Using Multistage Collectors," (with V.W. Murrell), ISES, American Chapter, Annual Meeting, Orlando, June 1977.
- "The Coupled Pan Space Frame," Second International Conference on Space Structures, Surrey, England, September 1975.
- "Architectural Design," Perilous Praxis, Andrew Rabeneck, p. 448-9, July 1972.
- Abstracts of Hospital Management Studies, Vol. VIII, June 1972, p. 73.
- Journal of the Prestressed Concrete Institute, Vol. 17, No. 2, March/April 1972, p. 99. (abstract)
- International Hospital Review, Vol.10, 2/1972, pp. 32, 33. (abstract)
- Architectural Association Quarterly, Vol. 4, No. 2, p. 59, 60, April/June 1972. (book review)
- "The Coupled Pan Space Frame: An Integrated Building System," IASS Pacific Symposium on Tension Structures and Space Frames, Tokyo-Kyoto, Japan, October 1971.
- "Grid House," Architecture & Urbanism, September 1971, p.31-34.
- Official Architecture and Planning, November 1971, p. 354. (book review~

- Civil Engineering - A.S.C.E., November 1971, p. 24. (book review)
- Selected Studies in Medical Care and Medical Economics, Annual Report 1971, p. 97. (abstract)
- Hospitals, J.A.H.A., September 1971. Vol. 46, p. 20, 31, 32. (book review)
- Design and Environment, Winter 1971, Vol. 2, No. 4, p. 13 (Grid House).
- “The Coupled Pan Space Frame: An Integrated Building System for Hospitals and Other Complex Buildings,” Hardback, 442 pages, XPRESS, New York, 1971.
- Catalog of Health Services Research: Abstracts of Public and Private Projects, 1967-1970, NCHSRTD, p. 197.
- A.S. Architectural Student, No. 9, December 1970, p. 5. (abstract)
- A.I.A. Journal, October 1970, p. 78. (abstract)
- “Building Systems in Military Hospitals: Feasibility and Evaluation,” a report to DOD, Arthur D. Little, Inc., SRS, Campbell, Aldrich & Nulty, chapter “Coupled Pan Space Frame”, 1970.
- “The Grid House: A Prototype Low-Cost Self-Help Housing System,” AR7, AIA Architect-Researchers Conference, Cincinnati, 1970.
- The Jefferson-Birmingham Civic Center Competition, 1969, (book), two entries published.
- “Method of Molding Structural Matrices,” U.S. Patent #3,229,004, 1966.
- “A Differentiated Grid,” 27 pages, Auburn, Alabama, 1965.

Lectures:

- From Disappearing Village to Sustainable Town, Nanchang and Zhengzhou, China, May 2008
- From Disappearing Village to Sustainable Town, China Symposium, University of Kentucky, United States, April 2008
- Sustainable City Regions and an Urban Modeling Process, Stuttgart, GERMANY January 2008
- Designing Sustainable Cities, University of Kentucky, United States, January 2008
- Vienna: City of Sustainable Neighborhoods, Vienna, Austria, October 2007
- The Sustainable City-Region: A Systems Approach, Vienna Austria, October 2007
- Raven Run & Solar Architecture, Bluegrass Energy Expo, Lexington, KY, United States, October 2007
- Designing Sustainable Cities, Georgetown College, Georgetown, KY, United States, April 2007
- Sustainable Cities in Theory and Practice, HAMMAM Conference, Damascus, Egypt, February 2007
- Sustainable Reclamation: An Urban Model for Coal Country, RIBA-USA Competition Finalists Symposium, Los Angeles, California, United States, June 2007
- Beyond Green Communities: Sustainable Cities, Bluegrass Partnership for a Green Community Conference, Lexington, Kentucky
- Sustainability, Climax Systems, and Urbanity, University of Kentucky, Lexington, KY, United States, November 2006
- Beyond Green Communities: Sustainable Cities, Bluegrass Energy Expo, Lexington, KY United States, October 2006
- Sustainable Cities: Theory and Practice, HAMMAM Conference, Damascus, Syria February
- Sustainable Cities in Theory and Practice, International Association for People-Environment Studies Conference, Alexandria, September 2006
- What is Sustainable About City-as-a-Hill, OVE ARUP Headquarters, London, England, September 2006
- Scenario Building: Hammam Al-Tanbali, Cairo, Egypt, September 2006
- Sustainable City in Theory and Practice, Asheville, North Carolina, May 2006
- Strong Sustainability and HAMMAM, HAMMAM conference, Cairo, Egypt
- Systems Dynamics Scenario-Building Toward Sustainability, BOKU University, Vienna, Austria, January 2006
- Sustainable Scenario-Building: A Systems Dynamics Approach, HAMMAM conference, Tripoli, Lebanon, November 2005
- Sustainable Cities: A Personal History, Kentucky AIA Annual Conference, Lexington, KY, USA, Fall 2004
- Sustainable Cities, University of Kentucky, Lexington, KY, USA, Fall 2003

- Sustainable Urban Development: a Design Approach, Wuppertal Institute, Wuppertal, Germany, November 2000
- Lecture Series (8 lectures) on the Theory and Practice of the Sustainable City, Architectural Association, London England, Fall and Spring 1999-2000
- Engineering, Architecture and Sustainability, Ove Arup and Associates, London, England, Spring 2000
- Faculty seminar on Architecture and Sustainable Cities, Cities Program, London School of Economics, London, England, Spring 2000
- Sustainable City Implantations, Achieving Sustainable Urban Form Symposium, Oxford Brooks University, Oxford U.K., Spring 2000
- Theory and Practice of the Sustainable City, Sheffield Hallam University, Sheffield, U.K. Spring 2000
- Do Sustainability Indicators lead to Sustainable Cities? International Symposium on Sustainable Cities, Legambiente, Todi, Italy, Spring 2000
- Lecture series on Design and Sustainability, Leeds Metropolitan University, Leeds, U.K. Fall 1999
- Sustainable City tour of Umbria, Italy, July, 1998, meetings with civic and political leaders including the mayor and city council of Todi, the Umbrian regional ministers for regional planning, tourism and regional development and the president of the regional council. These events were covered in nine newspaper articles, three television appearances and several radio interviews. One of the television interviews was in Rome on Uno Matina Estate 98 (the Italian equivalent of the Today Show).
- Sun and Sustainability in City Planning, Symposium - ...kologische Stadt, University of Augsburg, Faculty of Social and Economic Geography, Augsburg, Germany February 1998
- Sustainable Urban Planning and Solar Architecture, Faculty of Architecture, University of Venice, October 1997
- Time Rhythms in the Sustainable City, International University for City Administrators, Bremen, Germany, July 1997
- Sustainable Cities for Europe, Faculty of Architecture and Urban Planning, Milan Polytechnic University, Milan, Italy, May, 1997
- Defining Sustainable Architecture , Architrone, WWW
- Vienna, Westbahnhof, one day seminar, Vienna architecture festival 80 Days in Vienna in November 1996.
- The Telematic City vs. the Sustainable City, Third International Global Village Conference, February 1996, Vienna, Austria
- City Value vs. Business Value, Geld oder Leben conference, Graz, Austria, December 1996
- Sustainable Communities, lecture and workshop, November 1996, sponsors: Hamilton County Environmental Action Commission, City of Cincinnati, League of Women Voters, Miami University, Ohio-Kentucky-Indiana Council of Governments, .
- A Vision of Liveable Communities: What is a Sustainable City? keynote and workshop, Liveable Communities and Transportation Conference, October 1996, sponsors: Univ. of Toledo Urban Affairs Center, Sierra Club, Toledo Metropolitan Area Council of Governments, Farm Bureau, Ohio Planning Conference, Ohio Historic Preservation Office, Toledo Area Regional Transit Authority, Rails-to-Trails, etc.
- Implanting New Communities in Traditional Towns, (presented by my colleague Dr. Dumreicher), 1996 INTA International Congress, (International Urban Development Association), Cairo, Egypt, October 1996
- A New Basis for Urban Development, Conference on Urban Management, Bad Urach, Germany, April 1996
- Sustainable City-Westbahnhof UK College of Architecture Lecture Series, February 1996
- Digital Media and the Sustainable City, Telematic City Conference, Vienna, November 1995,
- Sustainable Development, Inaugural Convocation Keynote, Doctoral Program in Planning of Metropolitan Regions, First University of Rome, Faculty of Engineering "La Sapienza", March 1993
- Sustainability and Urban Design, Graduate Seminar Faculty of Engineering, Second University of Rome, "Tor Vergata", March 1993
- Passive Solar Energy and Sustainability, Keynote Plenary, ASES Annual Conference, 15th National Passive Conference, March 1990, Austin, Texas
- Sustainability Panel Discussion, ASES Annual Conference, 15th National Passive Conference, Austin, Texas, March 1990

- CHAOS, U.K. College of Architecture lecture program, February 1990.
- Ecological Sustainability, U.K. University Studies Program Faculty Seminar, co-organizer and Presenter.
- U.K. Faculty Conference on Civic Virtue, Carnahan Conference Center, Presenter
- Todi: Looking to the Past, Looking to the Future, U.K. College of Architecture lecture program, February 1989, Lecture and Exhibition.
- Anonymous 21st Century, U.K. College of Architecture Lecture program, November 1988.
- Humane Cities, National IFRAA Conference, Atlanta, Georgia, November 1985.
- Sustainable Community Design, Panel Discussion, 10th National Passive Conference ASES, October 1985, Raleigh, N.C.
- Bioclimatic Design in Europe, Kentucky Energy Cabinet Division of Alternate Energy Seminar, April, 1985.
- Architecture Toward Sustainability, Lecture, ETH, Architekturabteilung, Zurich, Switzerland, May 1983.
- Work and Ideas, Lecture, Istituto Universitario di Architettura di Venezia, Dipartimento di Teoria e Tecnica della Progettazione Architettonica, Venice, Italy, April 1983.
- Design of a Self Sustaining System for a Low Infrastructured Area in the USA, Lecture, International Post Graduate Symposium, Istituto Universitario di Architettura di Venezia, Dipartimento di Analisi Economica e Sociale Del Territorio, Venice, Italy, April 1983.
- Architecture for a Sustainable Future, Lecture, Das Institut fur Wohnbau and Das Institut fur Bauforschung, Vienna, Austria, March 1983.
- Architecture for the Future, Ball State University, College of Architecture and Planning, Lecture Series, October 1982.
- Passive and Big Buildings, Panel Discussion, 7th National Passive Conference ASES, Knoxville, August 1982.
- Solar Homes for Kentucky, Lecture, East Kentucky Power, Contractors and Builders Symposium, Louisville, February 1982.
- A Hierarchy of Solar Architecture, Kentucky Solar Coalition, Annual Meeting, Lecture, 1982.
- East Kentucky Chapter AIA, Lecture, 1981.
- Putting the Parts Together: Technology for Human Survival, Seminars on the Theory of Living Systems, University of Kentucky, October 1981.
- The Glass Plenum, Energy and Big Building Design Symposium, MASEA, Philadelphia, PA, May 1981.
- Architecture/Energy/Sustainability, Organizer and Panel Member, AS/ISES, Annual Meeting, Philadelphia, PA, May 1981.
- Energy and the Way We Live, Public Forum Lecture, 1980.
- University of Kentucky College of Architecture, Visiting Lecturer Series, 1980.
- Solar Energy Lecture Series, Transylvania University, 1979.
- Underground Housing, Focusing on Energy Series, Moderator and Lecture, 1979.
- Visiting Lecturer, Virginia Polytechnic Institute, 1978.
- Fourth Focusing on Energy Conference, University of Kentucky, Continuing Education, Engineering, 1978.
- First Focusing on Energy Conference, University of Kentucky, Continuing Education, Engineering, 1976.
- Citizens Metropolitan Planning Commission, Louisville, Kentucky.
- Visiting Lecturer, Virginia Polytechnic Institute, 1975.
- Visiting Lecturer, UNCC, Charlotte, 1975.
- The Coupled Plan Space Frame, Kentucky Concrete Conference, 1970.
- Systems Building and Design, Systems Building Seminar (3), University of Kentucky, 1970.
- "Design and Process," West Kentucky Chapter AIA, 1970.
- "A Concrete Space Frame, E-Tests," American Concrete Institute Fall Convention, 1969.
- Experimental Teaching Methods, Seminar Leader, Paper, ACSA Teachers Seminar, Chicago, 1966.
- A.S.M.E., Kentucky Chapter, Lexington.
- Art Center Association, Louisville, Kentucky.
- A.S.C.E., Student Chapter, U.K.
- A.S.M.E., Student Chapter, U.K.
- Kentucky Youth Conference, Lexington.

- Kentucky Audubon Society, Frankfort.
- Transylvania University.
- Eastern Kentucky University.
- Rotary Club, Lexington, Kentucky.
- Kentucky Retail Lumberman's Association.
- Kiwanis Club, Lexington, Kentucky
- Environmental Action Day, Lexington.
- A.A.U.W. Georgetown Chapter.
- Sun Day, Lexington Lectures, Lexington.
- College of Engineering, Graduate Solar Energy Seminar, University of Kentucky.

Grant Applications (Unfunded)

- Knight News Grant 2007
- Buckminster Fuller Challenge 07
- Sus-Polis, European Commission Grant, 2007
- KSEF Grant, 2006
- Macarthur Grant 2006
- Brunner Grant 2005
- Macarthur Grant 2005

Competitions, Awards and Grants:

- EDRA Places Awards, entry paper preparation (submittal), 2008
- China Symposium Grant, \$3000, from University of Kentucky Asia Center, Lexington, KY, United States, 2008
- RIBA-USA Building a Sustainable World: Life in the Balance Competition, Finalist, 2007
- Korea Public Administration Town-as-a-Hill Urban Design, for the "International Master Plan Competition for Public Administration Town," 2006-2007
- HAMMAM (Hammam Aspects and Multidisciplinary Methods of Analysis for the Mediterranean Region) ca. European Commission, DG-Research grant by Oikodrom: Vienna Institute for Urban Sustainability, 2005
- SUCCESS (Sustainable User Concepts for China Engaging Scientific Scenarios), ca. \$2,000,000 European Commission, DG-Research grant to a 40 member consortium headed by Oikodrom: Vienna Institute for Urban Sustainability (ca. \$70,000), 2002
- Westbahnhof Urban Design Update, \$4000, bank of Austria/Oikodrom, Vienna, 1998
- The Three Dimensional City- Grant from the city of Vienna for an in depth study of a Sustainable City-as-a-Hill on the Westbahnhof Site, \$23,700, 1995-96
- Ein Kostprobe- Grant from the division of Urban development of the city of Vienna for a preliminary Sustainable City Implantation study on the Westbahnhof rail site- \$50,000, 1994-95
- 1993 AIA Kentucky Honor Award for Excellence in Architectural Design, for the Mendes Guest House/Studio
- Todi/Montenero: A Gift from the Past to the Future: Citation, AIA/ UIA International Competition: Sustainable Community Solutions, June 1993. Exhibited: AIA/UIA World Architectural Congress, Chicago, IL, June 1993, and 19th National Passive Conference ASES, San Jose, California, 1994.
- Fayette County Elementary School Competition, (with Tad Radmard), Special Commendation, 1987
- New Hope, Energy Assessment Grant, \$15,000, K.E.C., Alternate Energy Development Fund, 1985.
- Community Energy Study, Grant (\$12,200) K.D.O.E. 1983.
- Lexington Library Competition, Finalist (second place), 1982
- Owens-Corning Energy Conservation Award (ASHRAE) 1980, for consulting with Cannon Design on the Hooker Building, Niagara Falls, N.Y.
- ACSA (AIA/RC) Energy Institute, MIT, 1979.
- 1968-71, Development of an Integrated Building System for Hospitals, NCHSRTD for USPHS, (HS001-2,

\$193,551).

-1966-1967, Theoretical and Experimental Evaluation of a Concrete Space Frame, University of Kentucky Research Foundation Grant (\$2,000).

-1966, University of Kentucky Faculty Teaching Improvement Fellowship (\$1,500).

-1962-1963, Teaching Assistantship, Master of Architecture, Rensselaer Polytechnic Institute.

-1961-1962, European Honors Program, AIA Medal, B.S. in Architecture, Rhode Island School of Design

Design Projects:

2008-present, Eakin Lake House, Burgin, Kentucky

2008-present, Fan Village Design Studies, China

2008-present, Nadel Residence Remodeling, Lexington, Kentucky

2008-present, India Cities Project, India

2008, Woodfin Community Design Studies, Woodfin, North Carolina

2007, Durango Discovery Museum Design Consultancy, Durango, Colorado

2007, Durango Residence Design Studies, Durango, Colorado

2007, Furnace Mountain Bath House Design Studies, Lexington, Kentucky

2007, Cullman Residence Remodeling, Lexington, Kentucky

2007, Adams & Greene Addition Design Studies, Frankfort, Kentucky

2006, Martin Community Design, Martin, Kentucky

2005-2007, Scott St. Lofts Design Consultancy, Lexington, Kentucky

2005-2006, Hess Residence, Garrard County, Kentucky

2005, Community Bath House Project, Sha Fu Tou, China

2003-04, Cincinnati Waldorf School, Cincinnati, Ohio

2003-04, Simmons Residence, Scottsville, Kentucky

1996-97, Cook-Carter House Addition, Hurricane, West Virginia

1991-93, Mendes Studio, Lexington, Kentucky

1990-91, Frye Studio, Lexington, Kentucky

1989, Community Montessori School Addition, Lexington, Kentucky (project)

1989, International Cities Design Competition, (with Tad Radmard).

1987-88, Cook-Zoeller House, (with Tad Radmard) Hurricane, West Virginia,

1987, Fayette County Elementary School Competition, (with Tad Radmard), Special Commendation.

1987, Irwin House, (with Tad Radmard), (project).

1985-86, New Hope Community, Berea, Kentucky, (project) .

1984, Pohl House, Natural Bridge, Kentucky .

1983, Holistic Health Center, Lexington, Kentucky (project).

1981-83, Friendly Homes, An Energy and Food Self-Sufficient Community of 135 dwellings, Berea, Kentucky .

1982, Ralph and Pam Miller Addition, Lexington, Kentucky.

1982, Lexington Library Competition, Finalist.

1981, Eagle Ridge Resort Community Competition, Entry

1981, Kentucky All Solar House, (Project).

1981, Rona and Howell Hopson House, Cadiz, Kentucky, (Project).

1980, Solar Conservation Consultant, Crumlish/Sporleder and Associates, Ball State University, Architecture Building and Solar Energy Center.

1979-80, Coomer House, Passive Solar Design, Garrard County, Kentucky.

1979, ACSA (AIA/RC) Energy Institute, MIT

1979, Privett House, Passive Solar Design, Lexington, Kentucky. (Project)

1979, Solar Energy Consultant, Perry Associates, Indianapolis, Indiana.

1978, Hooker Office Building, Energy Design Consultant, Cannon Design, Grand Island, N.Y.

1977, Seventh Day Adventist Church, Winchester, KY. (Project)

1976, Solar Energy Consultant, Dalton-Dalton-Little-Newport, Cleveland, Ohio.

1975-1983, Raven Run Integrated Solar House, Lexington, Kentucky.
 1974, Dwelling for Michael and Sandra Levine, Lake Mohegan, N.Y. (Project)
 1968-69, Grid House, Napa, California.
 1967, Birmingham-Jefferson Civic Center Competition, two entries.
 1967, Lehigh-Leopold Furniture Showroom for Madison Avenue, New York City.
 1966, Formal Wear Rental Store for Seventh Avenue, New York City.
 1966, Washington University Law School Competition, entry.
 1966, Prefabricated High-Rise Housing for Louisville, Kentucky. (Project)
 1965, Pinwheel Space Frame, Greenwich, Connecticut.
 1964, Unitarian Church for Auburn, Alabama. (Project)
 1964, Formal Wear Rental for Sixth Avenue, New York City. (Project)
 1964, Auburn Exhibition, Regional Meeting, Dauphin Island, Alabama.
 1963, Ruberoid Competition (middle income housing), New York City, entry.
 1962, Formal Wear Rental Store for Lexington Avenue, New York City
 1961, Dada Exhibition, Museum, Rhode Island School of Design.

Recent Exhibitions:

- Center for Sustainable Cities Work, Bluegrass Energy Expo, Lexington Convention Center, Lexington, KY, USA, to be in October 2008
- Big Blue Goes Green, CSC Design Studio Works Exhibition, Spring 2008
- Center for Sustainable Cities Work, Bluegrass Energy Expo, Lexington Convention Center, Lexington, KY, USA, October 2007
- Center for Sustainable Cities Work, Bluegrass Energy Expo, Lexington Convention Center, Lexington, KY, USA, October 2006
- Center for Sustainable Cities Work, Bluegrass Energy Expo, Lexington Convention Center, Lexington, KY, USA, September 2005
- Center for Sustainable Cities Work, Bluegrass Energy Expo, Lexington Convention Center, Lexington, KY, USA, September 2004
- R.I.B.A. "Sustainable Cities," Westbahnhof Project, London, U.K., Spring 2000
- Westbahnhof Project, exhibition in conjunction with UK College of Architecture lecture, February 1996
- Housing in Austria, exhibition, Westbahnhof project, Austrian Consulate, Berlin, spring 1996
- AVS Electronica, Interactive Visual Reality Installation of Westbanhof Project, Linz, Austria, 1996.
- Telematic City Conference, Architecture Exhibition, Vienna, November 1995
- Westbahnhof, Vienna, exhibition, Fourth European Conference on Solar Energy in Architecture and Urban Planning, Berlin, April 1996
- Todi-Montenero: A Gift From The Past To The Future, exhibited AIA/UIA World Architectural Congress, Chicago, Illinois, June 1993 and 19th National Passive Conference, ASES, San Jose, California, June 1994

Service:

- Hedassah
- President's Advisory Committee on Sustainability, University of Kentucky, 2007-present
- Institute for the Environment, Academic Advisory Committee, 2008-present
- China Symposium, Organizer, University of Kentucky, Lexington, United States, 2008
- Provost's Committee, University of Kentucky, 2007-2008
- STELLA Training Workshop, Lead Organizer, Fez, Morocco, 2007
- Bluegrass Partnership for a Green Community, Co-Writer of Sustainability Principles, and Conference Co-Organizer, 2006-2007
- Governors Advisory Committee on Energy Policy (Ky), 2002-03
- Stadtplaene, Forum Nachhaltige Stadt (journal), Vienna, Austria, scientific director, 1994-present

- Oikodrom, Vienna, Austria, Architecture/UrbanDesign Director, 1993-present
- Founding chairman,Sustainability Division, ASES, 1991-1994
- Interview, WEKY-FM, on Sustainable Cities, May 1991
- Annual ASES Conference, 15th National Passive Conference, Technical Review Committee, Organizing Committee, Sessional Chair. Panel Organizer, Austin, Texas, March 1990
- 10th National Passive Solar Conference ASES Technical Session Chairman and Sustainable Community Design Roundtable Discussion Organizer, October 1985, Raleigh, N.C.
- Organizer and Master of Ceremonies, Kentucky Energy Cabinet, Division of Alternate Energy Seminar, April 1985.
- Several Quotes in Louisville Times SCENE Magazine Feature Article, 6 April 1985, "A New Breed of House," Ira Simmons.
- Louisville Courier Journal, 2 Letters to the Editor re: Humana Building, 1982.
- Shady Lane Arboretum Committee, U . K., 1983.
- Advisor, Lexington Family Birthing Center, 1983.
- Editorial Advisor, Sunset Books, Solar Greenhouse/Sunroom Project, 1982.
- PM Magazine, Solar Feature, WKYT-TV, Lexington, 1982.
- 1983 Advisory Committee, Kentucky Energy Cabinet, Division of Alternate Energy, 1981 -1983.
- Founding Board Member, Architecture and Construction Division, American Solar Energy Society, 1980-1982.
- Organizing Committee, First International Passive Cooling Conference (March 1981).
- Founding Board Member, Kentucky Solar Coalition, 1979- 1981.
- Member, Special Solar Energy Advisory Committee to the Kentucky General Assembly, 1980-1981.
- Consulting on Solar/Conservation Retrofit on the Edmonson County Library, Kentucky, under a USDOE Appropriate Technology Grant.
- Pineville Area Development District on Solar/Conservating Community Rehabilitation, sponsored by the Appalachian Technical Network, 1981.
- Chairman, Technical Review Committee, Architecture and Construction Division AS/ISES, 1981.
- University of Kentucky Information Services, Radio Interview, 1981.
- Philadelphia AS/ISES Meeting, Technical Session Chairman and Panel Discussion Organizer, 1981.
- Interview, WKQQ FM, 1981.
- Article on Owens-Corning Energy Conservation Award, Lexington Leader, 1980.
- "The Baxters", Panel on Nuclear Energy, WKYT-TV, 1979, 1980 (two programs).
- IMMR, Office of Technical Liaison and Institutional Services, Solar Energy Planning Committee, 1975-1980.
- University of Kentucky Solar Coordinating Committee, Vice Chairman, 1980.
- Continuing Education Solar Seminar, Appalachian Satellite Project, Advisor, 1980.
- Energy Works Coop, Advisor, 1980. Coopers Inc., Cooperative Solar Community, Berea, Advisor, 1978-1980.
- Kentucky General Assembly, Expert Testimony on Energy Legislation, House Energy, and Revenue and Finance Committee, 1980.
- "Jump, Look, Listen," KET Educational Series on the Arts for Grade SchoolStudents, 1980.
- Feature Article, Lexington Herald, 1979.
- U.K. Student Center Board, Nuclear Energy Forum, 1979.
- Denver AS/ISES Meeting, Technical Session Chairman, 1978.
- Lexington Magazine, Article, 1978.
- "Solar Energy House" Article, Rural Kentuckian, May 1977.
- Founder, President, Kentucky Natural Energy Society, 1975-1979.
- Summer 1988, Director U.K.-Kansas State University, Joint Summer Program in Todi, Italy. (Design Exhibition at the Palazzo Vescovado, Todi, Italy.)
- Summer 1987, College of Architecture Summer Workshop in Todi, Italy.
- Spring 1983, European Design Workshop (which produced a book Italian Hilltowns).

- studio produced a book, The Integrative Horse Farm.
-Have previously taught in all design years, as well as, a number of different professional electives including: Solar Housing Workshop; Generators of Form; Integrative Systems, Solar Architecture, Solar Community Design Workshop, Sustainable Cities and Architectural History.

Abbreviations:

AAUW - American Association of University Women.
ACI - American Concrete Institute.
ACSA - Association of Collegiate Schools of Architecture.
AIA - American Institute of Architects.
AIA/RC - American Institute of Architects Research Corporation.
ASCE - American Society of Civil Engineers.
ASHRAE - American Society of Heating Refrigeration and Air Conditioning Engineers
ASES - American Solar Energy Society.
ASME - American Society of Mechanical Engineers.
ICEUM - International Congress of Energy Use Management.
IFRAA - Interfaith Forum on Religion, Art and Architecture
ISES - International Solar Energy Society
JAHA - Journal of the American Hospital Association.
KDOE - Kentucky Department of Energy
KEC - Kentucky Energy Cabinet
MASEA - Mid-Atlantic Solar Energy Association.
NCARB - National Council of Architectural Registration Boards
NCHSR&D - National Center for Health Services Research and Development.
PLEA - Passive and Low Energy Architecture.
SESCI - Solar Energy Society of Canada Incorporated.
SUCCESS – Sustainable User Concepts for China Using Scientific Scenarios
UIA - International Union of Architects
USPHS - United States Public Health Service.

References:

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