

The Kobet Collaborative

Robert J. Kobet, AIA, President

Sustainability through Enlightenment



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Introduction

The Kobet Collaborative is the capstone organization representing thirty-five years of continuous dedication to sustainable design and development, high performance green buildings, and environmental education in eleven countries on five continents. In addition to my professional practice as an architect I have enjoyed a parallel career as a college professor, academic consultant and mentor to several businesses and non-profit organizations.

The strength of my practice, and essence of my career, is in the variety of projects I have completed as an architect, consultant and educator, many of which are based on an integrated approach to all three disciplines. Practicing internationally has provided me an opportunity to absorb a variety of cultural influences, spend sufficient time abroad to gain an appreciation of the human condition, work across a spectrum of affluent and impoverished, emerging countries and generally experience a world others may never see.

My clients range from the Cultural Section of the US Department of State and developers of the Beijing Olympic Village and new towns in China, to assisting not for profit organizations in Rwanda, Haiti and Eastern Europe. Green building and LEED consulting clients include the Pentagon and several Naval Facilities Engineering Groups (NAVFAC), many state and local level educational organizations, including the largest university system in Mexico, in the US and Canada, and countless green building projects from a million square foot convention center to a 288 sq.ft. tiny house.

I am currently enjoying a working retirement wherein I continue to contribute to the literature, support not for profit organizations, build tiny houses for homeless veterans, and collaborate on projects with those who share my passion for sustainable design and development and environmental education.

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Education

Bachelor of Architecture, University of Cincinnati School of Design, Art, Architecture and Planning

Recipient – *Outstanding Achievement Award*, given to the student who accomplishes the most notable combination of academic performance and cooperative work-study professional practice.

Co-recipient – *Progressive Architecture Award for Applied Research*, for work on the Minimum Energy Dwelling, Mission Viejo, CA, a project of the Southern California Gas Company

Selected – University of Cincinnati College of DAAP Distinguished Alumni

Master of Science in Sustainable Systems, Slippery Rock University

One of six individuals primarily responsible for founding this program, the Country's first. Author of the Built Environment track of the curriculum. The curriculum received the first *Three Rivers Award for Environmental Education*. My thesis was the design and construction of the Macoskey Center, the nucleus of the program.
<http://academics.sru.edu/gge/ms3/program/program.html>

Registered Architect

Commonwealth of Pennsylvania EX8685 (ret)
 State of Florida AR 92767 (ret)

Professional Memberships

American Institute of Architects
 US Green Building Council
 Council of Educational Facility Planners International
 International Green Education Network

Professional Service and Contributions

Chair, Pennsylvania Energy Conservation Committee. Appointed by Governor Casey.
 Member:

Commonwealth of Pennsylvania AIA Board of Directors
 Pittsburgh AIA Board of Directors
 National AIA Committee on the Environment (COTE) Executive Committee
 Greenguard Advisory Board
 Waldorf School of Pittsburgh Board of Directors
 Pittsburgh Civic Garden Club Board of Directors
 USGBC South Florida Board of Directors
 USGBC South Florida Green School Advocacy Committee
 Council of Educational Facility Planners International
 Charter Member Sustainability Committee
 International Green Education Network, Karlshruhe, Germany
 Volunteer, Post Katrina disaster relief working in NOLA School recovery efforts
 Working Member, ASHRAE Advanced Energy Design Guide 50% Reduction in Schools Committee, completed August, 2011

Awards

2008 Gold Metal Building of America for the Pine Jog Elementary School and Environmental Education Center, Palm Beach County, FL. LEED Consultant to Zyscovich Architects
 2005 AIA National Committee on the Environment Top Ten Award ^[1]_[SEP] Pittsburgh Glass Center, Pittsburgh, PA. LEED and Green Design Consultant to Gardner, Gannon, Pope and Davis
 2005 Pittsburgh's Green Champion from the Green Building Alliance, Pittsburgh, PA
 2002 AIA National Committee on the Environment Top Ten Award Conservation Consultants Incorporated Center (CCI), Pittsburgh, PA. Project Manager and Director of Green Building Services to CCI
 1999 Governor's Energy Award CCI, Pittsburgh, PA. Project Manager and Director of Green Building Services to CCI
 1998 Pennsylvania's First Green Facility, ^[1]_[SEP] PA Department of Environmental Protection South Central Office Building Harrisburg, PA. Consultant to DEP

1995 Governor's Energy Award for Energy House, Highland Park, Pittsburgh, PA. Project architect
 1994 Three Rivers Award for Environmental Education for the Master of Science in Sustainable Systems, Slippery Rock University, Slippery Rock, PA. Co-founder of the SRU Master of Science in Sustainable Systems and author / professor of the Built Environment track between 1990 and 1995
 Co-recipient 1977 Progressive Architecture Award for Applied Research from Progressive Architecture Magazine
 Outstanding Achievement Award University of Cincinnati, 1997

Experience in Higher Education

Adjunct Professor, Carnegie Mellon University School of Architecture
 Author, *International Viewpoints on Sustainability*, an elective offered University wide
 Adjunct Professor, Slippery Rock University, Master of Science in Sustainable Systems
 Co-Founder and author of the Built Environment Track of the Program
 Associate Professor, Penn State University, Fayette Campus
 Taught full compliment of Architectural Engineering Courses; HVAC, Acoustics, Lighting, Plumbing and Site Planning
 Part Time Instructor, Butler County Community College Architecture Department
 Part Time Instructor, Allegheny County Community College, Engineering Technology
 Authored a course on *Solar Energy Applications and Passive Solar Design*
 Designed and supervised a small Residential Solar Lab as a student project.
 Visiting Lecturer,
 University of Buenos Aires, School of Architecture
 Oberlin College Environmental Studies Program
 University of Vermont
 Penn State University College of Architecture and Engineering
 Clemson University School of Architecture
 Currently working with the Tecnológico de Monterrey, Campus Queretaro and Campus Saltillo, Mexico to green the architecture and engineering curriculum. I hosted their 2011 International Design Workshop in Miami, and the 2012 International Design Workshop in Pittsburgh, PA. My responsibilities include co-teaching the sustainable design studio, guiding green building tours and providing lectures on a variety of green building topics.

US Green Building Council Service and Responsibilities

USGBC LEED BD+C Accredited Professional
 USGBC LEED Faculty – Selected as one of the original eleven faculty in 2001
 USGBC LEED International Faculty
 One of first twelve individuals chosen by the USGBC to conduct LEED accredited workshops internationally. Authorized to conduct USGBC sanctioned workshops for:
LEED for New Construction (LEED NC) 200, 251 and 300 Levels
LEED for Commercial Interiors 300 Level
LEED for General Contractors and Construction Managers
LEED for Schools 200 and 300 Levels
 Primary Author, *LEED for Contractors and Construction Managers Workshop*
 USGBC / GBCI Course Reviewer currently participating in new course review and evaluations under consideration for Continuing Education Units
 GBCI Registered Course Provider Author of *Optimizing the Investment in Green and LEED Buildings While Minimizing Risk*, Eight hour, 6 CEU and 1.5 hour, 1.5 CEUs

Past Member, US Green Building Council Education Committee Steering

Past Member, LEED Accreditation and Curriculum Core Committee

Past Member, USGBC South Florida Chapter Board of Directors.

I have instructed over 100 LEED workshops in the US and around the world in addition to numerous LEED for Schools related teacher development workshops. These sessions have been public forum events and private workshops, tailored to the client and green business interest of the attendees.

International Experience in Sustainable Design and Development

Consultant to US DOE and ORNL for the design of the Beijing Olympic Village Micro Energy Building (MEB)

One of the central buildings in the Beijing Olympic Village. Consulting services were provided Mr. XU of the Guo'Ao Development Company. The work was coordinated with the larger planning efforts of the Beijing Olympic Village which was a Pilot Project of LEED for Neighborhood Development (LEED ND). It was Awarded LEED Gold

Assisted the Guo'Ao Development Company in the development of a new town near Guilin, China. Environmental assessments, open space planning, urban design and development using LEED ND as a guide. My responsibilities span consulting on large scale land use issues to detailed high performance green building design and construction of a number of building types incorporating high performance building envelopes, renewable energy systems and bio-remedial waste treatment.

Consultant to the Cultural Section of the US State Department for Sustainable Development

Assisted a number of stakeholders in Buenos Aires, La Plata and Cordoba, Argentina to implement the tenets of sustainable design and development in municipal governance. My involvement included the review of land use practices and urban design paradigms, local education institutions and service industries.

NAVFAC MAR – US Navy Facilities Marianas Guam

Participated in a team consulting to the US Navy and Marine consortium developing a new \$11 billion-dollar, 2700 acre Marine base on Guam. The project will relocate over 20,000 marines, their families and support personnel from Okinawa. Consulting focused on the coordinated application of LEED for Neighborhood Development, the LEED Campus Guide, LEED for New Construction, LEED for Existing Buildings and LEED for Schools. The completed project will consist of over 5000 individual buildings, all of which will be evaluated for minimum LEED Silver certification

Dubai Real Estate Corporation, Government of Dubai, United Arab Emirates

Served as LEED Consultant to the Government of Dubai via an ongoing personal service agreement. Responsibilities included LEED training and consulting to build in house LEED administrative capacity as well as serving as the corporation's advocate in LEED project reviews and project optimization efforts in the UAE.

Al Mina HQ Project, Dubai, UAE

LEED consultant to DREC, Government of Dubai on the development of a 300,000 sq. ft. mixed use development in Dubai. VOA International of Orlando, FL and RED Engineering are the A/E Team. The project is a split twin office tower with retail, spa resort and parking complex. The team is using LEED for Core and Shell in its attempt to achieve LEED Platinum.

Project 254, Dubai, UAE

LEED consultant to Al Safaar Development and Construction Company for the LEED certification of a mixed use residential and commercial mid rise building in Dubai, UAE. Project responsibilities included green team building to increase in house LEED administrative capacity.

Episcopal Dioceses of the United States, Rwanda, Africa

Participated in a team invited to Ruhengeri and Kigali to consult on environmental degradation and regenerative land use restoration projects. Consulting included the evaluation of large tracks of land under consideration for preservation through the development of protected areas for the threatened upland gorilla combined with revenue generation through eco-tourism, and input into the design and construction of Sunrise School in Ruhengeri.

Hopital Albert Schweitzer, Deschapelle, Haiti

Collaborated with Desmone and Associates and the Friends of Hopital Albert Schweitzer on the master planning and phased regenerative restoration of this facility. The effort is ongoing. The approach spans the application of permaculture principles to large scale land regeneration to green, high performance building design and construction practices. The goal is to implement energy, material and water conservation and renewable energy systems to make the complex as self-sufficient as possible in the areas of environmental stewardship, human health and well-being and organic food production.

Eastern Europe Sustainability Initiatives

Contracted though Air and Waste Management, the Rockefeller Brothers Foundation and the Heinz Endowments to assist VITA, a not for profit organization originally headquartered in Ostrava, Czech Republic, to develop a number of community development projects. These included community design initiatives and weatherization programs in Ostrava and Hradek nad Nisou in the Czech Republic and Marklowice and Katowice, Poland. In addition to consulting on these projects I participated in community work efforts to build them.

Public Recognition and Speaking Experience

Recipient of the First Pittsburgh Green Champion Award in 2005

Author of several CEUs on Allergy Free, Nontoxic Design for the American Society of Interior Designers, including their first in 1989. These have been offered all over the US and Canada, including the annual ASID Super Campus

Recognized by the Healthy House Institute as one of the Top Fifty Designers in the US specializing in Allergy Free, Nontoxic Design for people with multiple chemical sensitivities.

Experienced public speaker, including numerous keynote addresses, for a variety of organizations. These include:

- Several USGBC Greenbuild Conferences
- Council of Educational Facility Planners International
- International Green Education Network, Karlshue, Germany
- US Environmental Protection Agency, Tools for Schools
- American Society of Interior Designers
- School Facilities and Management Institute
- Pennsylvania Governors Energy Council

Kansas Green School Initiative
 The Modular Building Institute
 Ohio Schools Facility Council
 Pennsylvania Green Schools Initiative
 American Institute of Architects Committee on Education
 American Society of School Board Officials

In addition to extensive public speaking I have facilitated a number of green design and LEED charrettes, teacher workshops, and community design and development seminars. I have also developed and facilitated a number of webinars on a variety of sustainable design and development topics. Please visit www.bobkobet.com for a more complete listing of projects, publications and awards.

US Green Building Council / LEED Credentials

One of first twelve individuals chosen by the USGBC to conduct LEED accredited workshops nationwide. Authorized to conduct USGBC sanctioned workshops for:

LEED for New Construction (LEED NC) 200 and 300 Level
 LEED for Commercial Interiors (LEED ID + C)
 LEED for General Contractors and Construction Managers
 LEED for Schools 200 and 300 Level
 LEED International Faculty

Chair, USGBC LEED for Schools Initiative

USGBC LEED Accredited Design Professional since 2000

USGBC LEED International Faculty

USGBC / GBCI Accredited Course Reviewer

Author – Controlling Cost and Managing Risk in LEED Projects – Optimizing the Investment While Avoiding Suits. Full day workshop - 6 GBCI CEUs

Author – Where's the Money, Where's the risk? I hour lecture – 1 GBCI CEU

Co-Author, LEED for Contractors and Construction Managers Workshop

Member - South Florida Green School Advocacy Committee

Past Member - USGBC Education Committee Steering Committee

Past Member - LEED Accreditation and Curriculum Core Committee

Past Member - USGBC South Florida Chapter Board of Directors.

LEED Projects

Miami International Airport North Terminal Development Project

LEED Consultant to Parsons Oberecht (POJV) for the 3.3 million square feet, \$2.67 billion new construction and major renovation project currently nearing completion. Responsibility included coordinating the construction activities with the Architectural and engineering work of five different teams to insure a coherent LEED submission. A LEED Certified project is anticipated. Additional responsibilities included facilitating ongoing LEED workshops to build capacity within the architectural / engineering / construction teams to meet LEED credential requirements.

NAVFAC MAR – US Navy Facilities Marianas Guam

Served as LEED consultant to the US Navy and Marine consortium developing a new \$11 billion-dollar, 2700 acre Marine base on Guam. The project will relocate over 20,000 marines, their families and support personnel from Okinawa before 2014. Consulting consists of evaluating the coordinated application of LEED for Neighborhood Development, the LEED Campus Guide, LEED for New Construction, LEED for Existing Buildings and LEED for Schools. The completed project will consist of over 5000 individual buildings, all of which will be evaluated for LEED Silver. The work also included ongoing LEED stakeholder training including LEED for New Construction and Major Renovations and LEED for General Contractors and Construction Managers workshops.

Florida Turnpike Enterprise

LEED Consultant to Arellano Construction, LEED Project Administrator to the Florida Turnpike Enterprise. Project scope included a selection of twelve retail facilities on seven turnpike plazas from 3000 to 40,000 square feet. Preliminary construction estimates at \$180 million LEED Silver is required for all facilities. Emphasis was placed on educating turnpike travelers to the benefits of green design.

Dubai Real Estate Corporation, Government of Dubai, United Arab Emirates

LEED Consultant to the Government of Dubai via an ongoing personal service agreement. Responsibilities included LEED training and consulting to build in house capacity as well as serving as the corporation's advocate in LEED project reviews and project optimization efforts in the UAE and US. Emphasis was an mentoring Dubai government personnel to increase in house LEED administrative capability.

Al Mina HQ Project, Dubai, UAE

LEED consultant to DREC, Government of Dubai on the development of a 300,000 sq. ft. mixed-use development in Dubai. VOA International of Orlando, FL and RED Engineering are the A/E Team. The project is a split twin office tower with retail, spa resort and parking complex. The team used LEED for Core and Shell in its attempt to achieve LEED Platinum.

Project 254, Dubai, UAE

LEED consultant to Al Safaar Development and Construction Company for the LEED certification of a mixed use residential and commercial mid rise building in Dubai, UAE. My responsibilities included building LEED capacity building within the green team. LEED Silver is anticipated.

Micro-Energy Building (MEB) Beijing Olympic Village

LEED and sustainable design and development consultant to this 150,000 sq. ft. mixed use project in the Beijing Olympic Village. The building served as the Olympic Athlete's meeting center and offices for the Olympics. Post Olympics the building is now a mixed-use office, retail and kindergarten school. Consulting services were rendered through the Department of Energy's Lawrence Berkley Labs and Oak Ridge National Laboratory.

New Town Development, Guilin China

Sustainable design and green development consultant to a new town in Guilin, China. The client is the same developer responsible for the Beijing Olympic Village. Services provided through the US Department of Energy and the Oak Ridge National Laboratory and included the feasibility of large scale land development using permaculture principles, regional renewable energy production, the critique of green development strategies for multiple building types, agricultural production and transportation.

Technologico de Monterrey

Collaborated with the administration, faculty and students of Mexico's largest university system in Queretaro and Saltillo, Mexico to integrate sustainable design and development LEED and architecture as pedagogy into the curriculum for eventual implementation into campus facilities and infrastructure. Projects are ongoing.

David L. Lawrence Convention Center Expansion, Pittsburgh, PA

Consultant to the Green Building Alliance between the beginning of the project and March, 2002. Served as technical review and LEED consultant. Project achieved LEED Gold. Raphael Vinoly, Architect, Burt Hill Kosar Rittelmann MEP Contractors, Lamm and Partners, Lighting Design Consultants, Brian Ford, CFD Consultant. 1 million square feet, \$380 million.

State of Ohio LEED School Initiative

Consulted to the State of Ohio as LEED on their state-wide LEED for Schools program. Work included review and revision of the Ohio State Facilities Commission (OSFC) design and construction guidelines, educating state level administrators and staff about the benefits of green schools, facilitating a number of state wide green design workshops for those responding to requests for proposals to design green schools for Ohio. I subsequently worked with the various design teams in designing LEED schools in Ohio.

New Orleans High Performance Green School Initiative

High performance Green school and LEED consultant to the Clinton Climate Initiative's work with the New Orleans Quick Start School Program. Work included conducting LEED workshops and teacher training to orient staff and teachers to the potential of the LEED certified schools under development in New Orleans. This was done in connection with my post Katrina recovery volunteer work.

Pittsburgh Glassworks Project, Penn Avenue, Pittsburgh, PA

Green design consultant to Davis+Gannon between November, 2000, and September, 2001. \$1.8 million, 12,000 sq. ft. Submission pending. A LEED Gold rating was achieved. Project was also selected an AIA National Committee on the Environment Top Ten Building in 2005.

American Lung Association, West Palm Beach, Florida

Project designer and LEED consultant for a 6000 square foot, \$850,000 office renovation for the American Lung Association through April 2006. Project was redesigned by Astorino Architects due to a change in scope and co-venture with another tenant who took occupancy when the ALA relocated.

CCI Center, 64 South 14th Street, Pittsburgh, PA

Green team leader, co-designer and project manager. \$1.2 million, 12,000 sq. ft. This project was a national pilot for the LEED for Existing Buildings Rating System. A LEED for Existing Buildings (LEED EB) gold rating was achieved. This project also was selected an AIA National Committee on the Environment Top Ten Building in 2002.

Manheim Township High School, Manheim, PA

Green design consultant and LEED accredited professional. Fanning Howey, Architects. \$40 million, 320,000 sq.ft. Project re-issued after district changed scope and program. Consolidated Engineers are responsible for the LEED Documentation. LEED Gold rating anticipated. Jeff Harris, PE is now responsible for the work.

The Carnegie Libraries of Pittsburgh, Pittsburgh, PA

LEED consultant to the Carnegie between 2002 and 2004. I assisted a number of different project teams as well as providing client education on the LEED administrative process. Projects include.

Squirrel Hill Library – LEED Silver

Woods Run Library – LEED Silver

Brookline Library - LEED Silver

Pittsburgh Children's Museum, Pittsburgh, PA

LEED accredited professional and LEED consultant along with Clearview Project Services who compiled the documentation. \$9 million, 70,000 sq.ft. Koenig / Eisenberg and Perkins Eastman, architects. Project achieved LEED Silver.

DEP South Central Office Building, Harrisburg, PA

Member, green design consulting team to Kulp Boecker Architects. This project was the first undertaken by the Commonwealth and served as a template for several subsequent projects. LEED Version 1.0 Certified Project. \$5.7 million, 73,000 sq.ft.

Greater Pittsburgh Food Bank, Duquesne, PA

Member, green design consulting team while with Conservation Consultants Inc. Gardner + Pope, Architects LEED Version 1.0 Silver Project, \$5.8 million, 95,000 sq. ft.

Oberlin College Environmental Education Center, Oberlin, Ohio

Joint venture with Joseph Ferut and Associates, Architects. Served as green design consultant and LEED accredited professional. 3500 sq. ft. \$500,000 companion to the existing Lewis Environmental Center. The project is a renovation of an existing residence adjacent to the Lewis Center, with which it shares a renewable energy PV solar array. LEED Silver.

Oberlin College Student Housing, Oberlin, Ohio

Joint Venture with Joseph Ferut and Associates, Architects

Student housing for 150 students in individual single family like dwellings on two separate sites. Approximately 75,000 square feet total, \$9,500,000. The housing was designed using LEED metrics for possible inclusion in the LEED Residential rating system release.

City of Cleveland via the Cleveland Green Building Coalition.

Consultant to the Cleveland GBC. Work included interpreting the Ohio School Design Manual in concert with the Ohio Schools Facility Commission for inclusion of LEED criteria to create high performance green schools. Part of the scope included presenting an Intermediate USGBC LEED workshop to the Ohio School Facility Commission in Columbus, Ohio, March, 2009.

Pine Jog Elementary School and Pine Jog Environmental Education Center

Green design and LEED consultant to Zyscovich Inc., for this 140,000 sq. ft., \$20 million K5 School and adjacent 15,000 sq. ft., \$2 million Environmental Education Center. The projects are a collaboration between the School District of Palm Beach County and Florida Atlantic University. Each was the first of its kind in the state of Florida and served as the inspiration for the SDPBC requiring all school facilities to be LEED certified. My responsibilities included LEED documentation, facilitating LEED related acoustics and daylighting workshops, teacher training and integrating architecture as pedagogy into the curriculum

Two Mile Run County Park

Project architect and LEED consultant for a multifaceted \$30 million master planning and ecological make over of an existing county park in Franklin, PA. The scope included the construction of 30 small “treehouse” visitor dwellings, reconstruction of a 28,000 sq. ft. \$3.5 million environmental education conference center and a plant based “living machine” waste treatment plant. Project was taken through preliminary design but ended when the park was privatized.

Bolingbrook Distribution Center

LEED Consultant to Atlanta based IDI for the LEED certification of a 500,000 sq. ft. distribution center in Bolingbrook, Illinois. Project used design team on retainer to IDI for their distribution facilities. LEED guidelines were followed as a model for other warehouse facilities owned or managed by IDI.

Gove Elementary School

LEED consultant to Tercilla Courtmanche and MPA Architects on this new SDPBC Elementary School. Near Lake Okeechobee, Florida. The project had very challenging site conditions requiring comprehensive remediation of contaminants and storm water management.

Stranahan High School

LEED consultant to Zyscovich Architect, Miami, FL for the LEED certification of this new \$90 million high school located in Broward County. Stranahan is one of the first two LEED certified high Schools in Broward County. LEED Silver.

Pine Crest High School and Pine Crest High School Lower School

LEED consultant to Zyscovich Architects, Miami, FL for the LEED certification of this \$64 million high school and related \$10 million middle school renovation and new construction project located in Broward County. LEED Silver.

Pahokee Middle School

LEED consultant to BRPH Architects, West Palm Beach, FL for the LEED certification of a new \$26 million middle school in Palm Beach County, FL. LEED Silver.

Plumosa Elementary School

LEED consultant to Tercilla and Courtmanche Architects, West Palm Beach, FL for the LEED Certification of a new \$38 million Elementary School and renovation to an adjacent existing Cafeteria in Seacrest, FL. LEED Gold.

Pirtle Office Building

LEED consultant and green team member to Pirtle Construction Company, Davie, FL. For their 60,000 sq. ft. headquarters building. The project was design build with assistance from Zyscovich and JLRD. Responsibilities included mentoring Pirtle staff using their office building project to train others to administer future projects.

Modular Building Industry

Member of the MBI Advisory Board and LEED Consultant to Modular Building Industry to align the interests and initiatives of the Modular Building Industry, the US Green Building Council and the high performance green building movement. Author of *The Modular Building Industry and LEED* position paper.

Marsh Industries

LEED Consultant to Marsh Industries, a leader in the field of school equipment and marker boards. Author of *Marsh Industries and LEED* position paper. Work included revising business model to better position Marsh Industries in the high performance green school movement.

Other Green Building / High Performance Green School / University involvement

- *Instructor, Florida State Building Code Interior Air Quality Advanced Continuing Education Unit.*
Certified by the State of Florida to teach Course #9877867, a four-contact hour advanced course covering the cause and effect relationship between interior air quality, energy conservation and code requirements of the Florida Building Code.
- *Instructor, Miami Dade College and Broward College LEED Workshops*
Instructed a series of LEED workshops at Miami Dare College and Broward College. The Workshops included LEED for New Construction and Major Renovations, LEED for Commercial Interiors, and LEED for General Contractors and Construction managers. The workshops were open to the public but emphasis was given to school administrators, facility managers and contractors.
- *Co-founder, Master of Science in Sustainable Systems (MS3) Slippery Rock University*
One of six individuals who between 1979 and 1990 developed the country's first interdisciplinary masters program based on the tenets of sustainable design and development. My role and Master's Thesis was the design and construction of the Robert A. Macoskey Center as part of the 80-acre development devoted to the enterprise. This is a residential lab and student housing center that, along with an earth-based barn and storage building, serves as classrooms and hands on experimental environments for graduate students and community stakeholders. I wrote the curriculum for the Built Environment track and taught in the program between 1990 and 1994. This program received the first Three Rivers Environmental Award for Higher Education in 1994. I am the first architect to earn this degree.
- *Member, Carnegie Mellon University School of Architecture Adjunct Faculty*
Served as CMU adjunct faculty between 1995 and 2003. Responsibilities included teaching sustainable design in a forth year design studio and the development of a course titled *International Viewpoints on Sustainability*. This course was based on my experience working internationally and was offered to undergraduate and graduate students campus wide. Also served as resource and participant in CMU's greening of the campus initiative.
- *Author, Allergy Free/ Nontoxic Design*
This course is a 1.5 Advanced CEU module written in 1989 at the invitation of the American Society of Interior Designers for inclusion in their professional development course. The course was the first of its kind ever developed for the interior design profession. Over the last twenty-five years it has undergone several updates and improvements and has been offered across the US and Canada including ASID's annual Super Campus Conference.
- *Director, Pittsburgh High Performance School Initiative*
This program was developed between 1998 and 2000 while serving as the Director of Green Building Services for Conservation Consultants, Inc., (CCI) a non-profit organization based in Pittsburgh. It was a component of the Green Neighborhood Initiative also developed at CCI which is ongoing. The High Performance School Initiative was a community of stakeholders organized to focus their separate missions on the collective goal of attaining energy, material and resource efficient schools that were optimum learning environments. After piloting in Pittsburgh, the program was adopted by the Pennsylvania Department of Environmental Protection and the Governors Growing Greener Council in Harrisburg. It is the forerunner of the Green and Healthy Schools Academy administered by by the Green Building Alliance in which I volunteered as a cohort in their initial year.

- *Member, Steering Committee, Wingspread Conference on Barriers to High performance Schools.*

Part of a core group involved with the programming and delivery of an ongoing series of conferences and workshops sponsored by the E2F2 Foundation, Cleveland, Ohio. Geri Unger, Executive Director. The purpose of the group is to identify barriers to marketing, designing and building high performance green schools in the US. The product of the first Wingspread Conference on Barriers to High Performance Schools was documented by the Environmental Law Institute.

- *Charter Member, Council on Educational Facility Planners International (CEFPI) Sustainable Design Committee*

Original member of the CEFPI Sustainable Design committee and a frequent speaker at CEFPI Conferences on the subject of high performance green schools, architecture as pedagogy and integrating green school criteria into curricula.