

CURRICULUM VITAE

ROBERT J. KOESTER

AREAS OF INTEREST

Design, Environmental Systems, and Energy;
Design Process, Methodologies, and Conceptual Structures;
Applied Research, Building Systems and Systems Integration;
Alternative Technologies, Community Models and Settlement Patterns;
Green, Sustainable and Regenerative Design

EDUCATION

Master of Architecture, Rensselaer Polytechnic Institute 1974
Bachelor of Architecture, University of Kentucky 1969

PROFESSIONAL REGISTRATION

Indiana: No. 3115 1976
Ohio: No. 5492 (by exam) 1975
NCARB: No. 17418 1975
LEED™ Accredited Professional (by exam) 2003

ADMINISTRATION EXPERIENCE

Ball State University
Director, Center for Energy Research/Education/Service 1995-Present
Co-Director, Center for School Innovation 2006- 2009
Acting Dean, College of Architecture and Planning 1994-95
Director, Center for Energy Research/Education/Service 1982-94

TEACHING EXPERIENCE

Ball State University;
Professor of Architecture 1983-Present
Associate Professor of Architecture 1979-83
Assistant Professor of Architecture 1974-79
Rensselaer Polytechnic Institute;
Graduate Teaching Assistant 1973-74
University of Kentucky;
Instructor/Research Associate 1969-71

PROFESSIONAL EXPERIENCE

Robert J. Koester, Architect; Muncie, Indiana 1978-Present
Design America/Professional Partnership; Muncie 1975-78
Lawrence C. Hilton, Architect; Cincinnati 1971-73
U. of Kentucky, College of Architecture; Lexington 1968-71
Midwestern Firms; Lexington, Louisville, St. Louis 1963-68

ADDRESSES, PHONE, FAX, E-MAIL

<u>Work:</u>	<u>Home:</u>
College of Architecture and Planning	2709 West Burnell Drive
Center for Energy Research/Education/Service	Muncie, IN 47304
Ball State University	
Muncie, IN 47306	
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E-mail rkoester@bsu.edu	

TEACHING

STUDIO AND STUDIO-RELATED

Recent

- Undergraduate Design Studio ARCH 402 S 2013
An interdisciplinary group of students working collaboratively in teams explored “upside narratives” for the future of Design-for-Sustainability at the Urban scale with final reporting to members of the Academy for Sustainability as ‘clients’.
- Undergraduate Design Studio ARCH 301 F 2008, 09, 10, 11, 12
*This Design Studio was structured to provide explorations of issues, introductions of concepts and applications of principles focused on Design-for-Sustainability.
(Designing a Green Workforce Training Center in Indianapolis, IN and the next year in Brooklyn, NY)*
- Graduate Design Studio ARCH 502 (Professional Degree) – The ‘Daylectric™’ Lighting Design Studio
A special offering supported by the Nuckolls Fund. S 2007, 08, 09

Past

- Graduate Design Studio - *Emphasis on problem solving, design principles, analytical skills, and presentation techniques.*¹ 2001-11
- Electronic Design Studio: *A vertical studio for 3rd and 4th year students. Individual PC work stations with CAD software used as the only medium for project design, desk crits and presentation production. Emphasis placed on operational team building, design resource sharing and structuring of community sustainability design themes.* 1991, 92, 93, 94
- First Year Design - *Emphasis on problem solving, design principles, analytical skills, and presentation techniques.* 1975, 76, 81
- Second Year Design - *Emphasis on design process/methodology, “problem- making”, landscape architecture and architectural precedent.* 1982
- Third Year Design - *Emphasis on systems integration, design development and building construction technology.* 1974, 78-80, 89, 11, 12
- Fourth Year Design - *Specialty studios with emphasis on Energy as a design basis or parallel framework to that of the more classical design concept/response.* 1983-88
- Fifth-year Thesis Design - *Comprehensive architectural project design from programming through detailed design development.* 1977
- Vital Signs - *A team-taught Honors College Course. Focused on field-based assessment of building performance of signature architecture. Instrumentation funded through the Vital Signs Program, UC Berkeley. (A student team received an Honorable Mention in the 1996 national case study competition for their work in Columbus, Indiana)* 1996-Present
<http://www.ced.berkeley.edu/cedr/vs/act/1996comp/winners.html/>
[\$25,000. Entergy Corporation Endowment] 2000
- Design Communication Media - *Architectural Graphic sequence, production drawing through advanced graphic/presentation techniques.* 1974-76
- Energy Animation² - *Filmmaking with emphasis on simulating or illustrating energy process, through animation.* 1980
- Solar Skills² - *Proto-design class emphasizing basic energy concepts as basis of building design and land planning.* 1981

LECTURE

- Architectural Building Technology I - *Introduction to building construction systems and detailing.* 1974-75, 1977
- Environmental Systems I, II - *Two course sequence in ECS, including HVAC, Plumbing, Lighting, Electricity and Acoustics.* 1975-80, 1997-98, 1999-00
- Environmental Systems Survey² - *Comprehensive introductory class on natural and man-fabricated systems including climate and landscape physiography, as well as building technology. Course organized topically within categories of Water Services, Heating, Ventilating, Air Conditioning, Lighting and Acoustics.* 1974-82
- Interior Environmental System I, II, III² - *A service course taught to Interior Design Department majors touching on all aspects of ECS. Includes lectures on contracts and specification writing as well as codes and materials science/testing.* 1974-80

¹ This graduate studio was featured in 2005 for Special Recognition by the AIA/COTE Eco-Literacy in Architecture Project and is also referenced in the related 2006 AIA/COTE Tides Report.

SEMINAR

Graduate Seminar: Readings in Sustainability - Emphasis on the philosophy, discipline and practice of sustainability in the making of architecture; defining an integrating framework by which all that architecture has to offer can be realized. 2006

Housing Design Seminar² - A senior level class on conceptualization of problem statements for housing design. The course involved extensive review of current literature and renowned housing precedent. Emphasis on modeling of "the problem". 1977-78

Solar Architecture for Architects² - Continuing-education class taught to statewide audience in weekend sessions. Emphasis on introductory energy principles and decision-making methodologies. 1979

WORKSHOP

The Next Generation SBSE Summer Retreat 2012
The focus of this summer workshop was on preparing students and faculty design for a carbon-neutral world: issues addressed included carbon-neutral studio projects, design tools, interdisciplinary collaboration, social networking, and thinking beyond energy. This retreat provided the next step in SBSE's ongoing commitment to leadership in carbon-neutral design.

University of Idaho McCall Field Campus, Boise

<http://www.sbse.org/retreat2012/index.htm/>

Creating a Carbon Neutral Climate on Campus 2012
Preconference Workshop, Greentown Conference (September)

Valparaiso University, Terre Haute, IN

Preconference Workshop, Greentown Conference (November) 2011
Chicago

Sustainability: Principles and Practices Workshop 2009
Enhancing Sustainability through Scholarly Work

BSU/College of Applied Sciences and Technology (CAST)

Design Strategies for Low-Energy, Sustainable, Secure Buildings - An interactive professional development class which addresses the fundamentals of an integrated "whole building" approach to "design out" inefficiencies, integrate architectural features, use high-performance equipment, renewable energy supply and durable materials. An SBIC course intended for Federal designers, project managers, and architects and engineers who work on Federal agency projects.

Chicago, Irwindale, Long Beach, Honolulu, Norfolk, Orlando, Providence, Poulson,

Raleigh, San Diego, Silverdale, Tucson, Washington 2002-06

Agents of Change (AOC)³

Participant in this 3-year project, funded by the U.S. Department of Education Fund for the Improvement of Postsecondary Education (FIPSE) to better prepare students as future teachers, architects, and stewards of the built environment. Faculty and teaching assistants from accredited architecture programs were trained to investigate actual buildings, conduct post-occupancy surveys, and develop exercises to implement at their home institutions. <http://aoc.uoregon.edu/>

Atlantic Center for the Arts, New Smyrna Beach 2005

Architecture as Pedagogy The SBSE Summer Retreat

The focus of this summer workshop was on the relationships between the messages we deliver about buildings and the buildings from which we deliver those messages. Our conversation revolved around the manifestations of architectural and environmental wisdom in buildings where the lessons are explicit and demonstrable.

<http://www.bsu.edu/provost/ceres/sbse/2003retreat/index.html>

Waycross Conference Center, Morgantown 2003

Indiana Energy Code - Continuing-education class taught to statewide audience of Architects, Engineers, and Facility Managers on criteria and methods for achieving energy conservation. 1984-87
Thirteen Cities throughout Indiana

² Originated Course(s)

³ Participated in 1 of 7 Training Workshops in which overall:
79 faculty and 91 teaching assistants were trained
41 schools (out of 109 accredited programs) were represented
10 AOC alums became trainers
1027 students were surveyed to measure impact of AOC
75 equipment tool kits were loaned to 30 schools
15 tool days for design professionals were held

FOREIGN STUDY PROGRAM

POLYARK IX, Co-Director (with L. Smith) of a ten week European residency/touring program, involving 32 students. (Greece, Italy, Austria, Germany, Switzerland, Czechoslovakia, France, Belgium, Netherlands, England, Scotland.)
Three courses taught: "Vertical Design Studio", "Parallel Worlds" and "Design Guidelines"
(Program Budget: \$138,000) 1988

INDEPENDENT STUDY (Selected Examples)

Academy for Sustainability Report Spring 2012
The project explored how degrees can be linked together to create a self-interested venture to serve as a model for how a student can go outside programmed education; providing a touchstone for encouragement of individual enterprise.
Danielle Dunn
"Passive Cooling Systems" Spring 2012
Rebecca Ackerman; Honors College Thesis
"Applying Sustainability Principles to Architecture" 2007-2008
Sweata Pradhan; ARCH 490
"Tectonics in Architecture" 2003
Graduate Studio Summer Request
"The Shotgun Dwelling: Strategies for Energy Conservation", 1985
R. Stiller
"A Model of City Energy Use", 1984
Undergraduate Research Fellowship Program
"Forest Architecture" 1983
Undergraduate Research Fellowship Program

HONORS 499: PRACTICUM

"Campus Storm Water Mapping and Educational Intervention" 2007-2008
Nicole Holt

COMPETITION ADVISOR

2014
Hanan Tufashiey "International Architectural Tree House Design"
ArchTriumph Vertadis, 17 Ensign House, Admirals Way, Canary Wharf, London E14 9XQ

THESIS COMMITTEES

1974-present
Architecture, Landscape Architecture and Urban Planning.
Graduate and Undergraduate levels (See Appendix D):

WEBCAST PANELIST

2011
"Next Steps in Greening the Campus"
Hosted by: Robert Cassidy, Editorial Director, *Building Design + Construction*
Exploring how colleges and universities are going beyond greening single buildings (valuable as that may be) to consider sustainability from a campus-wide and perspective and even beyond, to the surrounding community and region.

WEB CASTS

2014
"Ball State University and Chevrolet: New Carbon Credit
Methodology and Applicability to Energy Efficiency Projects"
Second Nature
"A (recycled, of course) Six-Pack of Sustainability Lessons from the Past Year in Higher Education"
a virtual, sustainable event, hosted by The Society for College and University Planning on
Campus Sustainability Day, www.scup.org/csd/3/ 2005

PROFESSIONAL ACCOMPLISHMENTS

RESEARCH

Externally Funded

Conferencing:

“Geothermal Conclave II”	2014	\$ 4,500.
“Geothermal Conclave I”	2013	\$ 4,500.
“Greening of the Campus Conference IX: Building Pedagogy” Ball State University; Campus	2012	\$ 86,000. (Conference)
“Greening of the Campus Conference VIII: Embracing Change” Ball State University, Indianapolis (Economic Impact: \$ 1,368,000.)	2009	\$ 328,620. (w/ Exhibits)
“Greening of the Campus Conference VII: Partnering for Action” Ball State University Campus	2007	\$ 75,000.
“Greening of the Campus Conference VI: Extending Connections” Ball State University Campus	2005	\$ 50,000.
“Greening of the Campus Conference V: Connecting to Place” Ball State University Campus	2003	\$ 50,000.
“Greening of the Campus Conference IV: Moving to the Mainstream” Ball State University Campus	2001	\$ 50,000.
“Greening of the Campus Conference III: Theory and Reality” Ball State University Campus	1999	\$ 50,000.
“Greening of the Campus Conference II: The Next Step” Ball State University Campus	1997	\$ 50,000.
“Greening of the Campus Conference” Ball State University Campus	1996	\$ 50,000.

Contracted Outside Evaluator:

“Greener by Design” Fund for the Improvement of Post-Secondary Education (FIPSE) Pratt Institute, New York, NY	2008-2010	\$ 19,000.
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Projects:

“Sefaira Software”	2015	\$ 149,900.
“Sefaira Software”	2014	\$ 149,900.
“Market Study of Integral Carbon Credit Transfer” Chevrolet Division of GM	2013	\$ 715,000.
“Curriculum Development for Careers in Homeland Security” Indiana Department of Homeland Security	2010-2011	\$ 50,000.
“Energy Workshops” Northern Indiana Public Service Corporation and Franklin Energy	2010-2011	\$ 36,000.
“2009-10 Leading Edge Student Design Competition” Long Beach, CA	2009-2010	\$ 1,500.
“Daylectric™ Lighting: A Course in Lighting Design for Architecture Students Emphasizing Innovative Approaches to Combining Electric Light and Daylight in the Illumination of Building Interiors” Course Development Supported by Nuckolls Fund (with J. Culp and R. Fisher)	2008	\$ 20,000.
“Development of the JFNew NativeSpec™ Ecological Specification Tool” (With Martha Hunt, Kelli Huth and Graduate Students) JFNew Corporation Walkerton, Indiana (HQ)	2010	\$ 5,000.
“Peer Review of the Major Emmett J. Bean Center – Solar Photovoltaic Design and Installation” For the General Services Administration PSA-Dewberry, Dallas Texas	2010	\$ 5,500.
“Curriculum Development for Careers in Homeland Security” Indiana Department of Homeland Security	2009	\$ 50,000.
“The Indiana Department of Education K-12 School Design Guidelines” Indiana Department of Education, 220 pp BSU Center for School Innovation (co-authors: W. Grondzik, P. Harwood, J. Hudson, A. Swartz, R. Weaver, G. White)	2009	\$ 48,000.

<i>“High Performance School Design Workshop”</i>		
Registrations	2009	\$ 5,600.
<i>“2008 Sustainability Summit for Indiana Colleges and Universities”</i>		
Ball State University, Muncie	2008	\$ 1,800.
<i>“USGBC LEED for Schools EQ Credit 8.1 Daylight & Views: Daylighting Compliance Report for the proposed Belmont High School”</i>		
Levin Porter Associates Architects	2009	\$ 2,400.
<i>“USGBC LEED for Schools EQ Credit 8.1 Daylight & Views: Daylighting Compliance Report for the proposed Residence Park PK-8 School Facility”</i>		
Levin Porter Associates Architects	2009	\$ 2,400.
<i>“A Limited Study of Lighting Interventions for the Indoor Training Facility of the Indianapolis Colts”</i>		
Indianapolis Colts_Field Sports Building	2009	\$ 7,500.
<i>“Greener by Design” Evaluator; Fund for the Improvement of Post-Secondary Education (FIPSE)</i>		
Pratt Institute, New York, NY	2008-11	\$ 19,000.
<i>“A Limited Study of Daylighting Influence in a design for new office facilities for Rackspace, LLC. San Antonio, Texas Parts I and II: Daylighting Brightness and Daylighting Illumination”</i>		
Inter-Active Studio Architects (with J. Culp and R. Fisher)	2008	\$ 1,900.
<i>“USGBC LEED for Schools EQ Credit 8.1 Daylight & Views: Daylighting Compliance Report for the proposed Eastmont Park PK-8 School in Dayton, Ohio”</i>		
Moody Nolan Architects (with J. Culp and R. Fisher)	2008	\$ 1,200.
<i>“Ft. McHenry Visitors Center Heliodon Testing”</i>		
GWWO Architects, Baltimore, MD. (with J. Culp and R. Fisher)	2007	\$ 760.
<i>“USGBC LEED for Schools EQ Credit 8.1_Daylight & Views: Daylighting Compliance Testing for the Dayton Public Schools Boy’s Academy PK-8”</i>		
Lorenz Williams Clinton, Inc. Dayton, OH (with J. Culp and R. Fisher)	2007	\$ 2,400.
<i>“A Daylighting Study of a Preliminary Design for the new Meadowdale High School Facility in Dayton, Ohio Phases I and II: LEED Compliance Investigation and Prototypical Classroom Daylighting Performance”</i>		
Fanning & Howey Architects, Inc. (with J. Culp and R. Fisher)	2007	\$ 1,200.
<i>“‘Daylectric’ Lighting: A Course in Lighting Design for Architecture Students Emphasizing Innovative Approaches to Combining Electric Light and Daylight in the Illumination of Building Interiors”</i> The Nuckolls Fund	2006	\$ 20,000.
(with J. Culp and R. Fisher)		
<i>“Technical Evaluation: Daylighting, Sustainability and LEED Certification”</i>		
St. Christopher Center and Lighthouse Academy Indianapolis, Indiana – A Building Better Communities Project (with Halstead Architects, Indianapolis)	2005	\$ 18,000.
<i>“Patient Care and Patient Centered Environments”</i>		
Regenstrief Center for Health Care Engineering, Purdue University, West Lafayette, In (with the Building Futures Institute, BSU)	2005-06	\$ 10,000.
<i>“Indiana Gas Celebration House II”</i>		
Indiana Gas Company, Indianapolis	2000	\$ 10,000.
<i>“Indiana Gas Celebration House I”</i>		
Indiana Gas Company, Indianapolis	1999	\$ 6,000.
<i>“LG Kangnam Tower Learning Center: Environmental Systems Design Study”</i>		
LG Academy, Seoul, Korea	1997	\$ 5,000.
<i>“Interactive CD Design, Development and Implementation: The HVAC Ability Modules”</i>		
Johnson Controls, Inc. Milwaukee	1996-9	\$ 180,000.
<i>“Vital Signs Instrumentation Packages”</i>		
Energy Foundation, National Science Foundation, Pacific Gas & Electric, Vital Signs Project; UC Berkeley	1996	\$ 5,000.
<i>“Glazing Performance: Curriculum Package Evaluation”</i>		
Energy Foundation, National Science Foundation, Pacific Gas & Electric, Vital Signs Project; UC Berkeley	1995	\$ 1,000.

<i>"Development of a CAD-based Facility Management System, Phases I & II"</i>	Indiana U. Medical Center, Indianapolis	1992	\$ 82,000.
<i>"Sustainable Urban Rural Enterprise (SURE) - The Richmond/Wayne County Workshops"</i>	City of Richmond, Wayne County Commissioners, Richmond Enterprise Zone, Richmond Chamber of Commerce	1989	\$ 14,000.
<i>"A Microcomputer Energy Simulation and Building Energy Analysis of the J.A. Reitz Home"</i>	Reitz Home Preservation Society	1987	\$ 500.
<i>"A Microcomputer Simulation and Building Energy Analysis of the Bixler Residence"</i>	Charles Griffith/Architect	1986	\$ 500.
<i>"Development of a Prefabricated Monolithic Roof/Ceiling System"</i>	Atrium Structures; Indianapolis	1985-86	\$ 15,000.
<i>"A Microcomputer Energy Simulation and Building Analysis of the Stauffer Residence"</i>	Malcomb Stauffer	1985	\$ 500.
<i>"Research and Development of Insulated Siding"</i>	U.S. Department of Energy and Interlock Siding Corporation; Ft. Wayne	1985	\$ 86,000.
<i>"An Energy Curriculum Package for Middle Schools"</i>	Indiana Department of Education	1985	\$ 29,000.
<i>"An Energy Curriculum Package for High Schools"</i>	Indiana Department of Education	1985	\$ 22,500.
<i>"Phase I Development of the Sosnoski Wind Device"</i>	Sibley Machine and Foundry; South Bend	1985	\$ 9,000.
<i>"CERES-2 Microcomputer Analysis of Greenhouse Prototypes"</i>	Southern Illinois University; Carbondale	1984	\$ 1,600.
<i>"A Prototypical Study of Energy Conservation Applications for High-Tech Industry"</i>	Indiana Department of Commerce	1983	\$ 35,000.
<i>"An Energy Conservation and Management Plan for the Morris Butler House"</i>	Historic Landmarks Foundation of Indiana	1983	\$ 18,500.
<i>"Renewable Energy Works!!!", Conference/Festival/Exposition"</i>	The Indiana Department of Commerce Energy Office, Indiana Solar Energy Coalition, and U.S. Department of Energy; Washington	1983	\$ 9,500.
<i>"A Research Strategy for Honeywell Gardens"</i>	Honeywell Foundation; Wabash	1983	\$ 1,800.
<i>"A Prototype Site Analysis and Facility Program for a Multi-Services Center, Phase I"</i>	Indiana Christian Childrens' Home	1983	\$ 1,000.
<i>"Neighborhood Revitalization and Energy Conservation"</i>	Indiana Commission on Higher Education	1980	\$ 36,000.
<i>"Developing Economic Arguments for Energy-Efficient Buildings"</i>	Conference Coordinator, CAP/IEA Energy Conference, Indiana Electric Association	1979	\$ 10,000.
<i>"Redefining Aurora: Past and Current Issues of a Riverfront Town"</i>	Indiana Committee for the Humanities	1978	\$ 15,000.
<i>"Solar Design Symposium"</i>	Energy Research and Development Administration and Solar Store, Inc.	1977	\$ 2,500.
<i>"An Integrated Building System for Hospitals"</i>	Department of Health, Education and Welfare (former agency name) (RA for R.S. Levine, Principal Investigator);	1968	\$ 200,000.
<u>Internally Funded</u>			
<i>"Construction of a New Artificial Sky-Box"</i>	Enhanced Provost Initiative Funding (with J. Culp and R. Fisher)	2005	\$ 7,000.
<i>"New Educational Laboratories: Diversifying Content and Context"</i>	Track I: Student Diversification, BSU George & Frances Ball Fund	1995	\$ 8,000.
	Track II: Instructional Diversification, BSU 21st Century Fund	1995	\$ 15,000.

Track III: Cultural Diversification, BSU International Programs Fund	1995	\$ 5,000.
<i>"The 20/20 Symposium"</i> BSU/CAP/CERES;	1993	\$ 3,000.
<i>"The Costa Rica Initiative"</i> BSU CORE Grant and Office of Research Supplement	1988	\$ 3,000.
<i>"Developing Microcomputer Teaching Packages for Architectural Schools"</i> Ball State University	1983	\$ 19,500.
<i>"Urban Energy Models"</i> Mentor, BSU Undergraduate Honors College Fellowship Program	1983	\$ 1,200.
<i>"The CORE House for Indiana"</i> BSU/College of Architecture and Planning	1982	\$ 600.
<i>"Forest Architecture"</i> Mentor, BSU Undergraduate Honors College Fellowship Program	1982	\$ 800.
<i>"CAP System Lab Schematics"</i> BSU Core Grant	1981	\$ 800.
<i>"A Study of Passive Solar Heating and Energy Conservation in Housing"</i> BSU/College of Architecture and Planning	1979	\$ 1,000.
<i>"Alternative Energy Sources in Environmental Design"</i> BSU/College of Architecture and Planning	1977	\$ 800.
<i>"The Effect of Solar Technology on Dwelling Unit Flexibility"</i> BSU/College of Architecture and Planning	1977	\$ 1,200.

ADDITIONAL RELATED RESEARCH ACTIVITY

On-Going Program Administration

CERES Lighting Lab <i>Heliodon and Sky-Chamber</i> <i>Design Evaluations using Physical Model;</i>	2003-Present
Intergraph Center of Excellence in the Mapping Sciences <i>One of five centers, nationwide</i>	1996-01
CERES Research Fellows Program <i>Energy-related cross-disciplinary research initiation</i>	1989-Present
CERES Student Scholars Program <i>Team-taught environmental assessment projects linked to Visiting Scholars Program;</i>	1996-Present
CERES Visiting Scholars Program <i>Collaborative teaching on sustainability</i>	1994-Present
CERECODE tm Software Development and Marketing Program, CERES <i>Model Energy Code compliance software</i>	1994-96
CERENET tm 4 Software Development / Affiliates Program, CERES <i>Energy-modeling software</i>	1985-89
Daylighting Affiliates Program, CERES <i>Lab setting test chamber for model studies</i>	1986-88
Building Diagnostics Program, CERES <i>Thermographic and air infiltration analyses</i>	1985-94
Indiana Energy Code Program, CERES <i>Continuing Education Workshops/12 locations statewide</i>	1984-87
<i>Publication of related Handbook, marketed statewide</i>	1984-86
SRCC Solar Collector Testing Program, CERES <i>One of five nationally accredited labs</i>	1984-88

⁴ This software is one of eleven to receive a full chapter feature in *Software Applications and Directory for Energy Analysis*.
Ed. Anna Fay Williams. Fairmont Press/Prentice Hall, 285 pages; the software is also cited in
Heating, Cooling, Lighting, Norbert Lechner. Wiley Interscience, 1991, pg 505.

Additional Research Coordination, Support and Brokerage

For detailed listings of other research, educational and service projects developed through CERES, including citation of the Principal Investigators involved, see Appendix A.

ADDITIONAL ADMINISTRATIVE ACTIVITY

Chair, Ball State University Council on the Environment (COTE)	2001-Present		
<i>Development of meeting agendas and programs</i>			
<i>Preparation of Earth Day Exhibits</i>			
<i>Preparation and Submission of Campus Ecology Yearbook Entries</i>			
Geothermal Conclave I (November)	2013		
Development, Preparation, Monitoring and Review of:			
<i>Call for, and Evaluation of, Abstracts</i>			
<i>Brochures, Program Materials and Posters</i>			
<i>Conference Proceedings</i>			
<i>Registrations and Invoices</i>			
<i>Contracts with Keynote Speakers</i>			
<i>Welcoming Address for Provost and President</i>			
Geothermal Dedication	2012		
Development and Preparation of <i>President Gora's Remarks</i>			
Chair, Ball State University Council on the Environment (COTE)	2001-Present		
Development and Preparation of:			
<i>Meeting Agendas and Programs</i>			
<i>COTE Award Certificates</i>			
Development, Preparation and Submission of annual <u>entries</u> :			
<i>Campus Ecology Yearbook</i>			
<i>Kiwi Magazine</i>			
<i>Peterson's Guide</i>			
<i>Princeton Review</i>			
<i>Sustainable Endowments Institute</i>			
<i>ACEEE Energy Efficiency Building Award</i>			
The Minor in Sustainability			
John Vann, Green Initiatives Coordinator			
The Academy for Sustainability			
John Vann, Director			
Clustered Minors Program			
James Eflin, CERES Energy Education Scholar			
Web-based SBSE Photo-CD Distribution Program	ongoing	\$	200.
Web-based SBSE Sun Angle Calculator Distribution Program	2014	\$	5,055.
	2013	\$	8,716.
	2012	\$	11,023.
	2011	\$	13,222.
	2010	\$	8,828.
	2009	\$	11,314.
	2008	\$	12,117.
	2007	\$	11,302.
Sustainability Summit for Indiana Colleges and Universities			
	2008		
Office of Energy and Defense Development Workshop Series			
	2008-2009		
SW 101 Solar Hot Water Heating (second offering)			
Office of Energy and Defense Development Workshop Series			
	2007-2008		
PV 101 Basic Photovoltaics			
SW 101 Solar Hot Water Heating			

PROFESSIONAL PRACTICE (Selected Examples of Individual or Collaborative Work)

Residences:

Dr. and Mrs. John Ray,	Bloomington	1994
Mr. and Mrs. Ken MacKenzie,	Yorktown	1988
Mr. and Mrs. David Evans,	Muncie	1987

Dr. and Mrs. Michael Yocum (addition),	Muncie	1986
Mr. R. J. Koester & Ms. J. M. Gauker,	Muncie	1980
Mr. & Mrs. Daniel Orr,	Redkey	1979
Mr. & Mrs. Kelly McClain,	Geneva	1979
Speculative Home: Koester/Meyer,	Muncie	1978
Mr. & Mrs. Curt Moll,	Kokomo	1978
Mr. & Mrs. Rick Dobbyn,	Wheatland	1977

Commercial Work:

Design America/Professional Partnership (Office),	Muncie	1975
Triangle Fraternity House, University of Cincinnati,	Cincinnati	1972
Lawrence C. Hilton, Architect (Office),	Cincinnati	1971

Projects:

Avesta Stainless Steel Production Facility,	St Croix	1989
Hufford/Bucheri & Company, CPA's, (New Offices)	Kokomo	1979
Maher's of Kokomo, (Store Remodeling/Renovation)	Kokomo	1979
Foxfires Restaurant,	Muncie	1976
Muncie Jewish Community Center,	Muncie	1975
Happy Hollow Road Multi-family Housing,	Cincinnati	1971
Morrison Greenhouses (Transfer Terminal),	Cincinnati	1971

OTHER CREATIVE ENDEAVORS

Competition Entries:

Competition Entry		2014
<i>"Per-Form Live; Two Stage Design Sefaira Design Competition Using only SketchUp and the Sefaira for SketchUp Real-Time Plugin developed a concept design for the design of a multi-level residential building located at (what was at the time) the north end of the High line; selected in the final cut for participation in the live design/jury session at Pratt's Manhattan Campus. www.performlive.com/</i>		
"A House for an Ecologist." AIA/COTE Design Ideas Competition,		2006
"Cincinnati Hillside Housing,"		1987
"Saving Energy in Historic Buildings,"		1982
"Roosevelt Island Housing,"		1975

PROFESSIONAL DEVELOPMENT

<i>"Managing the Integrated Design Process"</i>		
GreenBuild Workshop Participant		2004
US Green Building Council Portland		2004
<i>"Sustainable Strategies for Communities and Building Materials"</i>		
AIA Conference, Seattle		1993
<i>"Conference on the Organic"</i>		
University of Cincinnati, Cincinnati		1981
<i>"Developing Industry, Government and University Partnerships"</i>		
Southern Illinois University, Carbondale		1981
<i>"Cost-Based Compensation Guidelines"</i>		
AIA Workshop, Nashville		1977
ACSA Teachers Seminar; Washington		1976
ACSA Annual Meetings		
National, East Central Region		1975-Present

PUBLICATIONS

VIDEO

<i>"Communicating Lighting Education in the 21st Century: Ball State University's Daylectric™ Lighting Architectural Design Studio"</i>		
DVD Format, Runtime: 9 minutes, 30 seconds; Nuckolls Fund for Lighting Education Luncheon		
LIGHTFAIR International		2009

BOOK FORWARD

- “From the Ground UP: Tapping the Earth for Clean, Efficient Sources of Heating & Cooling”*
(co-authored by S. Cross, D. Eagan, P. Tolme, et al) 2011
National Wildlife Federation (NWF) Campus Ecology Program, Washington DC

BOOKS

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[Personal]

OUTSTANDING SERVICE AWARD BALL STATE UNIVERSITY NATURAL RESOURCES AND ENVIRONMENTAL MANAGEMENT (NREM) <i>"For two decades and more of outstanding contributions to the faculty and students of NREM, as well as to the Ball State community"</i>	2012
CHARLES M. SAPPENFIELD AWARD OF EXCELLENCE BALL STATE UNIVERSITY Named in honor of the founding Dean of the College, under whose leadership it opened its doors in the fall of 1966, this award is given to professors chosen by the alumni represented by the Alumni Governing Board and was given this year to Robert J. Koester <i>"in recognition of outstanding dedication, contribution and commitment to the education of the students of the College of Architecture and Planning."</i>	2011
OUTSTANDING ADMINISTRATIVE SERVICE AWARD BALL STATE UNIVERSITY <i>"As director of the Center for Energy Research, Education, and Service (CERES) for 23 years, Robert Koester has provided visionary leadership both in the center and across the campus. In the process, he has led Ball State to a nationally and internationally acclaimed reputation as a leader in the movement toward campus sustainability."</i>	2005-06
SPECIAL RECOGNITION AMERICAN INSTITUTE OF ARCHITECTS COMMITTEE ON THE ENVIRONMENT <i>Ecological Literacy in Architectural Education Tides Foundation Competition</i> Washington, DC. http://www.aia.org/cote_tides http://www.aia.org/practicing/groups/kc/AIAS074665	2005
JAMES HAECKER DISTINGUISHED LEADERSHIP AWARD FOR ARCHITECTURAL RESEARCH ARCHITECTURAL RESEARCH CENTERS CONSORTIUM <i>"...for outstanding contributions to the growth of the research culture of architecture and related fields..."</i> http://www.polaris.net/~arcc/web/awards.htm	1999
HONORABLE MENTION AMERICAN INSTITUTE OF ARCHITECTS EDUCATION HONORS AWARD <i>"The Vital Signs Project",</i> (with C. Benton, B. Burke, A. Kwok, et al – with Ball State University as a case study school) http://www-archfp.ced.berkeley.edu/vitalsigns/inf/acknow.html	1997
CITATION FOR SERVICE AIA/ACSA COUNCIL ON ARCHITECTURAL RESEARCH <i>As a Member</i>	1995
CITATION FOR SERVICE ASSOCIATION OF COLLEGIATE SCHOOLS OF ARCHITECTURE <i>As East Central Regional Director</i>	1992

HONORABLE MENTION	1988
AMERICAN INSTITUTE OF ARCHITECTS EDUCATION HONORS AWARD <i>"Writing in the Design Curriculum"</i> (with B. Benson, H. Eggink, R. Fisher)	
FULL SCHOLARSHIP	1986
ACSA SUMMER INSTITUTE <i>"Environmental Systems"</i> University of Oregon	
FIRST PLACE	1982
NATIONAL BUILDING MUSEUM, BRICK INSTITUTE, ET AL <i>"Saving Energy in Historic Buildings"</i> (with H. Eggink, M. Mounayar)	
FULL SCHOLARSHIP	1982
MIT SUMMER INSTITUTE <i>"Teaching Innovations in Architectural Technology: Design + Energy"</i> Massachusetts Institute of Technology	
FULL SCHOLARSHIP	1977
HARVARD UNIVERSITY SOLAR WORKSHOP <i>"Designs for the Sun"</i> funded by ERDA	
CITATION	1984
INDIANA SOCIETY OF ARCHITECTS <i>"Citizens Participation in Neighborhood Revitalization"</i> (with T. Costello, T. Carpenter, and S. Truex)	
EXEMPLARY PROJECT Designation	1981
INDIANA COMMISSION ON HIGHER EDUCATION <i>"Citizen Participation in Neighborhood Revitalization"</i> (with T. Costello, T. Carpenter, S. Truex)	
SCHOLARSHIP, FELLOWSHIP and TUITION WAIVER	1974
Rensselaer Polytechnic Institute	
AIA FOUNDATION HENRY ADAMS SCHOOL MEDAL	1969
University of Kentucky	
PCA TRAVEL AWARD	1969
University of Kentucky	
ALPHA RHO CHI MEDAL	1968
University of Kentucky	
AIA SCHOLASTIC AWARD	1968
University of Kentucky	
R. B. RENDA AWARD	1966
University of Kentucky	
DESIGN AWARDS: 1st, 2nd, 3rd, and 4th Year Studios	1963-67
University of Kentucky	
HONORS, AWARDS AND RECOGNITION [<i>Students</i>]	
In the MKM ACSA Steel Design Competition	2015
<u>Honor Award</u> (Teams): Paul Kitchen and Craig Zehr Bryce Derhammer and Reva Ogle	
<u>Honorable Mention</u> (Teams): Eric Lawler and Clint Johnson Alex Minor and Josh Edwards	
In the MKM ACSA Steel Design Competition	2014
<u>First Place</u> (Teams): Zach Herbst and Sam Pfeifer	
<u>Third Place</u> (Teams): Mike Culler and Lauren McWhorter	
<u>Third Place</u> (Individuals): Bailey Stultz	

- FIRST PLACE: 2011
 U.S. GREEN BUILDING COUNCIL (USGBC)
 MULTI-FAMILY MIDRISE DESIGN COMPETITION
Students: Wes Stabs and Michela Cupello (MCWS Design)
Faculty Advisor: Robert J. Koester, Advisor
<http://www.usgbc.org/DisplayPage.aspx?CMSPageID=2220>
- STUDENT AWARD 2010
 AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS
Students: Nicholas Serrano, Student ASLA and Brittany Harvey, Student ASLA, BSU
Faculty Advisors: Martha Hunt and Robert J. Koester
- NativeSpec™ is a custom seed specification tool for landscape architects to create seed mixes adapted to specific project criteria. Site environmental characteristics produce a list of viable plants which can be adjusted for species percentages with dynamic feedback on cost implications. This efficiency of delivery gives designers flexibility and confidence when specifying ecological restoration projects.*
<http://www.asla.org/2010studentawards/172.html>
 Spin-off Development:
NativeBrowser™ is a free, web-based tool that lets you input key site conditions to create a customized list of native plant species suitable for the specified growing conditions. This tool has been developed as an online interface to JFNew's proprietary web application, NativeSpec™, which was created in partnership with Ball State University. NativeSpec™ contains an extensive database of native plants and seeds and categorizes them according to their preferred habitat and ecological conditions and site factors.
- FIRST PLACE 2009-10
 CHALLENGE 1:
 LEADING EDGE DESIGN COMPETITION
Students: Erin Chapman, Jason Klinker, Andrew Hesterman.
Faculty Advisor: Robert J. Koester
http://www.leadingedgecompetition.org/2009-10/web/DC1_First_a.htm
- MERIT CITATION 2009-10
 CHALLENGE 1:
 LEADING EDGE DESIGN COMPETITION
Students: Ben McHugh, Kate Lengacher, Xiorelis Ferrer.
Faculty Advisor: Robert J. Koester
http://www.leadingedgecompetition.org/2009-10/web/DC1_Merit1_a.htm
- HONORABLE MENTION: 1996
 VITAL SIGNS
 CASE STUDY COMPETITION
"An Instrumented Study of Indoor Air Quality in Lincoln Elementary School/Columbus"
Students: Kevin Koenig, Alison Hovey,
Faculty Advisors: Robert Koester (with J. Culp, R. Fisher, T. Godish)
<http://www.ced.berkeley.edu/cedr/vs/act/1996comp/winners.html>
- HONORS, AWARDS AND RECOGNITION
[Institutional]
- CLIMATE LEADERSHIP AWARD FOR 2014
 INNOVATIVE PARTNERSHIP
*EPA has awarded the Chevrolet Clean Energy Campus Campaign with its **Climate Leadership Award for Innovative Partnerships!** The award celebrates and honors our unique collaboration together to open US carbon markets as a source of new funding to help deepen campuses' energy efficiency and climate leadership.*
The [Chevrolet Clean Energy Campus Campaign](#) engaged hundreds of stakeholders spanning the education, energy, carbon, auditing, and nonprofit sectors to develop a way for campuses to draw on a new source of funding – carbon credits from the voluntary carbon market – to help further their large-scale energy efficiency efforts.
- TOP PROJECT OF THE YEAR 2014
 Chevrolet Clean Energy Campus Campaign
Chevrolet received the Top Project of the Year Award in the third annual Environmental Leader Product and Project Awards for efforts to help U.S. colleges further reduce their carbon footprint.
<https://fastlane.gm.com/category/brands/chevrolet/>

- STARS GOLD:** 2013
*The Association for the Advancement of Sustainability in Higher Education (AASHE) awarded Ball State a **Gold** rating as part of its Sustainability Tracking, Assessment & Rating System (STARS). This program measures and encourages sustainability in all aspects of higher education. Ball State's Gold rating places it among the highest-rated institutions tracked by AASHE. The university achieved a 2012 Silver rating.*
- EXCELLENCE IN INTEGRATION AWARD** 2012
This International Sustainable Campus Network (ISCN) named Ball State the winner of its first "Excellence in Integration Award," recognizing the exceptional breadth and depth of the university's sustainability programs that have successfully integrated specific sustainability into the culture, community and/or operations of a campus.
<http://www.international-sustainable-campus-network.org/awards/2012-award-winners.html>
- ACUPCC SECOND NATURE CLIMATE LEADERSHIP AWARD** 2010
Ball State University received Second Nature's 1st Annual Climate Leadership Award for Institutional Excellence in Climate Leadership. Award recipients were recognized at the 4th Annual American College & University Presidents' Climate Commitment (ACUPCC) Summit in Denver, CO
- SEI REPORT CARD CITATION OF BSU** 2010
<http://www.greenreportcard.org/report-card-2010/schools/ball-state-university>
- US GREEN BUILDING COUNCIL LEADERSHIP AWARD** 2010
Second Nature, the Association for the Advancement of Sustainability in Higher Education (AASHE), and ecoAmerica--the three organizations that launched the American College & University Presidents' Climate Commitment--were awarded the prestigious US Green Building Council Leadership Award for nonprofits in recognition of their vision, leadership, and commitment to the evolution of green building design and construction in higher education.
http://www.secondnature.org/news/secondnature_USGBC_award.html
- BSU TOP 75 GREEN CAMPUS DESIGNATION IN KIWI REPORT** 2008-2009
- SENATOR RICHARD LUGAR PATRIOT AWARD** 2007
 Presented to the BSU Council on the Environment (COTE)
- EXCELLENCE IN INTEGRATION AWARD** 2012
INTERNATIONAL SUSTAINABLE CAMPUS NETWORK
Ball State University has been selected as a winner in the "Integration" category of the 2012 International Sustainable Campus Network Excellence Awards. The jury found your project was a leading example of integrated planning, impact and engagement and truly reflected the mission and aspirations of the International Sustainable Campus Network.
<http://www.international-sustainable-campus-network.org/>
- SEI REPORT CARD CITATION OF BSU** 2011
SUSTAINABLE ENDOWMENTS INSTITUTE (SEI)
The College Sustainability Report Card is the only independent evaluation of campus and endowment sustainability activities at colleges and universities in the United States and Canada. In contrast to the academic focus on sustainability in research and teaching, the Report Card examines colleges and universities, as institutions, through the lens of sustainability.
<http://www.greenreportcard.org/report-card-2010/schools/ball-state-university>
- ACUPCC 2010 CLIMATE LEADERSHIP AWARD** 2010
SECOND NATURE
Ball State University received Second Nature's 1st Annual Climate Leadership Award for Institutional Excellence in Climate Leadership. Award recipients were recognized at the 4th Annual American College & University Presidents' Climate Commitment (ACUPCC) Summit in Denver, CO.
<http://ht.ly/2T98N>
- TECHNOLOGY INNOVATOR OF THE YEAR** 2010
HOOSIER ENVIRONMENTAL COUNCIL (HEC)
The HEC recognized Ball State University with this award during its third annual Green Policy Forum on November 6th, 2010. In 2009, Ball State University broke ground on a new ground-source geothermal district heating and cooling system that, once completed, will be the largest district system in the country. The project will serve as a national model, demonstrating that district geothermal is a feasible and economically viable option. When complete, the system will replace four coal-fired boilers and save the university significant operating costs — not to mention reduce its carbon footprint by approximately half. The project is stimulating jobs in Indiana as well, creating work for 44 firms in 15 counties from Fort Wayne to Evansville.
<http://www.bsue.edu/news/article/0,1370,7273-850-65002,00.html>

- FEATURED GRI REPORT:** 2010
"BSU is a Steward of the Future"
 Ball State University (BSU) has its first-ever Global Reporting Initiative (GRI) sustainability report, prepared by an interdisciplinary team of six students and a faculty mentor. The team was assembled through the university's Building Better Communities (BBC) Fellows Program, a hallmark of the BSU commitment to immersive learning.
<http://www.globalreporting.org/ReportServices/FeaturedReports/ProfilePageBSU.htm>
- US GREEN BUILDING COUNCIL LEADERSHIP AWARD** 2009
 Second Nature, the Association for the Advancement of Sustainability in Higher Education (AASHE), and ecoAmerica--the three organizations that launched the American College & University Presidents' Climate Commitment--have been awarded the prestigious US Green Building Council Leadership Award for nonprofits in recognition of their vision, leadership, and commitment to the evolution of green building design and construction in higher education.
http://www.secondnature.org/news/secondnature_USGBC_award.html
- GREEN CAMPUS CERTIFICATE OF RECOGNITION** 2003, 04, 05
"For the exceptional campus greening achievements during the academic year"
 National Wildlife Federation Campus Ecology Program Campus Environmental Yearbook
<http://www.nwf.org/campusEcology/dspYearbook.cfm>
- THE SBIC 'BEST PRACTICE' SUSTAINABILITY AWARD FOR SUSTAINABLE DESIGN CURRICULUM** 2002
"Recognizes SBIC members who continue to set the standard for energy- and resource-efficient design in America's buildings through innovation and excellence in curricular development which promotes market-ready green building and building product design..."
 Sustainable Buildings Industry Council (SBIC)
 (with J. Eflin, D. Ferguson, and J. Vann)
<http://www.sbicouncil.org/home/index.html>
- RENEW AMERICA ENVIRONMENTAL ACHIEVEMENT AWARD** 1992
"Sustainable Urban/ Rural Enterprise"
 (with Lynn Johnstone and Indiana's Richmond/Wayne County Community)
<http://www.sustainable.doe.gov/success/sure.htm>
- GOVERNOR'S AWARD** 1984
 INDIANA
 Energy Conservation; CERES
- CITATION** 1983
 U.S. DEPARTMENT OF ENERGY
 Energy Conservation/Education Award: CERES
- PRESENTATIONS / LECTURES**
- Plenary Presentations:**
- "The Greening of Middletown, USA"* 2015
 BSU Telecommunications
- "Roundtable of the Chevrolet Carbon Reduction Initiative"* 2014
 Good Jobs/Green Jobs Conference 2014 Washington, DC
- "Chevrolet Campus Clean Energy/GHG Innovation & Insights"* 2014
 AASHE Conference; Portland, OR
- "Modeling Urban Form: Expressions of the Operational State of Design-for-Sustainability"* 2013
 AASHE 2013Nashville, TN
- "New Funding Sources to Drive Campus Clean Energy/GHG Leadership and Innovation"* 2013
 AASHE 2013Nashville, TN
- "New Clean Energy Efficiency Funding for Campuses – Apply Here!"* 2013
 AASHE 2013Nashville, TN
- "The Listening Project Summit"* 2013
 AASHE 2013Nashville, TN
- "Implementing the ACUPCC: Ball State University is going Geothermal"*
 USGBC 2010 Indiana Building Green Symposium
 Indianapolis Indiana 11 March 2010
- "Sustainability 101: The big picture view of why undertaking green strategies at home, work, or in our communities is important" and*
"Renewable Energy: Our energy options, how energy saving strategies can save money, and incentive programs out there to help make the switch"
 BSU Indianapolis Center Green Ambassador Certificate Program
 Indianapolis Indiana 25 March 2010

- “Institutionalizing Sustainability: From the Ground Up”*
 NACUBO Smart and Sustainable Campuses Conference,
 University of Maryland 22 March 2010
- “Decisions-for-Sustainability: How to Sell Energy Conservation Projects*
Part 1: Cost-Benefit
Part 2: Contributing to a Story”
 Governor’s Green Universities and Colleges Subcommittee
 Illinois Green Economy Network 2010
- “Institutionalizing Sustainability: From the Ground Up”*
The Ball State University Story
 University of Kentucky Lexington, Kentucky 2010
- “The Ball State Story”*
 Building Better Communities Staff Meeting 2011
- “Net-Zero Energy and Carbon Neutrality: Example Student Projects”*
 Design Interaction Day 2012 Agenda, Indiana Chapter ASID March 2012
 Alumni Center/BSU
- “Education and the Climate Commitment”*
 American Association for Adult and Continuing Education (AAACE)
 Workplace Learning Pre-Conference Training
 Indianapolis 2011
- “Implementing the ACUPCC: Ball State University is going Geothermal”*
 USGBC Indiana Building Green Symposium
 Indianapolis Indiana 2010
- “Sustainability 101: The big picture view of why undertaking green strategies at home, work, or in our communities is important” and*
“Renewable Energy: Our energy options, how energy saving strategies can save money, and incentive programs out there to help make the switch”
 BSU Indianapolis Center Green Ambassador Certificate Program
 Indianapolis Indiana 2010
- “Institutionalizing Sustainability: From the Ground Up”*
 NACUBO Smart and Sustainable Campuses Conference,
 University of Maryland 2010
- “A Recipe for Success: Mixing Sustainable Development Concept with Brownfields Redevelopment Projects”* Session
- “Indiana Brownfields Conference 2006 – Bridging Economic Development and Environmental Protection”*
 April 11-12, 2006, in Indianapolis
- “Sustainability and Planning: An Integrated Approach to Academics, Resource Planning, and Facilities”*
 Society of College and University Planning (SCUP) 2006
 Kansas City, MO
- “Sustainability and Master Planning: Campus Master Plans that Incorporate Sustainability”*
 BSU Master Planning and Facilities Committee
 University Senate 2007
- “LEED and Green Building”*
 Indiana Brownfields Conference 2006—Bridging Economic Development and Environmental Protection Indianapolis 2006
- “Productive Collaboration: a Whole Systems Approach to Sustainability”*
 AASHE Conference, ASU Tempe AZ October, 2006
- “Examining the EPA’s Greenhouse Gas Rule and the ACUPCC Reporting Systems”*
 NACUBO Smart and Sustainable Campuses Conference,
 University of Maryland 2010
- “Greening the Campus: How Education Institutions Combat Climate Issues”*
 GreenTown Chicago Conference, Chicago 2009
- International:**
 Lecture: *“Design-for-Sustainability”* 2014
 School of Planning and Architecture
 Bhopal India

- "Greening the Campus: A U.S. Perspective"* and
"The Ball State Experience: Implementing the Talloires Declaration"
 International Think Tank on Education for Sustainability
 Earth Centre,
 Doncaster England 2002
- "Research and the Environment: Tools for Architects, Opportunities for the Profession"*
 AIA/UIA
 Chicago World Architecture Congress 1993

National:

Lecture:

- "Institutionalizing Sustainability: From the Ground Up"*
The Ball State University Story
 University of Kentucky
 Lexington, KY 2010
- "Institutionalizing Sustainability: From the Ground Up"*
 NACUBO Smart and Sustainable Campuses Conference,
 University of Maryland 2010
- "Decisions-for-Sustainability: How to Sell Energy Conservation Projects*
Part 1: Cost-Benefit
Part 2: Contributing to a Story"
 Governor's Green Universities
 and Colleges Subcommittee
 Illinois Green Economy Network Director 2010
- "Integrative Design and Green Engineering"*
 Sustainable Redevelopment in the Ohio River Valley Conference
 Louisville, KY 2007
- "Integrative Design and Green Engineering"*
 Sustainable Redevelopment in the Ohio River Valley Conference
 Louisville, Ky. 2007
- "The Continuing Influence of Energy on the Changing Nature of Architecture"*
 Building to Save the Earth Symposium on Environmentally Conscious Architecture,
 American Institute of Architects, U.S. Environmental Protection Agency, and Ball State
 University,
 Muncie 1992
- "Collaboration in Curriculum Development: A Case Study"*
 American Educational Research Association,
 Washington 1987
- "The Microcomputers Workshop: CERENETtm"*
 12th National Passive Solar Conference,
 Portland 1987
- "Teaching Environmental Systems"*
 University of New Mexico 1978
- "Teaching Environmental Systems"*
 S.U.N.Y., Buffalo 1977
- "The Coupled-Pan Space Frame"*
 University of Cincinnati 1977
- "Vehicles for Environmental Systems Classes"*
 University of Virginia 1977
- "Active Systems Design, Collection Efficiency"*
 Miami University 1977
- "Frameworks"*
 University of Houston 1976

Moderator:

- "Campus to Classroom: Unexpected Green Champions Transforming Campuses"*
 USGBC Greenbuild, Phoenix 2009
- "Vitalizing A National Resource: University-Based Community Design Clinics"*
 AIA/ACSA Research Council Special Focus Session, ACSA Annual Meeting,
 Montreal 1994

"Green Building Systems"

Creating Community Sustainability across America Conference,
Washington 1993

Webcast Panelist:

"Next Steps in Greening the Campus"

2011

Hosted by: Robert Cassidy, Editorial Director, *Building Design + Construction*
Exploring how colleges and universities are going beyond greening single buildings (valuable as that may be) to consider sustainability from a campus-wide and perspective and even beyond, to the surrounding community and region. How can this be done? Is new technology needed? How can university/college stakeholders be involved? What success stories and case studies that demonstrate feasibility?

Panel:

"Chevy Pilot at Ball State University"

2015

Second Nature, Boston, MA

*"Design for a Sustainable Future:
Helping People and Communities Thrive"*

2015

Congressional Leadership Academy 6th District

Hosted by President Paul Ferguson and Congressman Luke Messer.

"Energy"

Alliance to Save Energy

AASHE Conference,

Pittsburgh, PA

2011

"Going Underground on Campus"

National Wildlife Federation

AASHE Conference

Pittsburgh, PA

2011

"Examining the EPA's Greenhouse Gas Rule and the ACUPCC Reporting Systems"

NACUBO Smart and Sustainable Campuses Conference

University of Maryland

2010

"Greening of the Campus: How Education Institutions Combat Climate Issues"

Greentown Chicago Conference

Chicago, IL

2009

"USGBC Educators Summit"

USGBC Green-Build Convention

Boston, MA

2008

"Ecological Literacy: Are Architecture Schools Failing the Environment?"

AIA Annual Convention

San Antonio, TX

2007

"A Primer on Green/Sustainable/Regenerative Buildings"

Senator Richard G. Lugar Briefing

2007

"Inventive Laboratories for Greening the Curriculum and Community"

USGBC Green-Build Convention

Chicago, IL

2007

"Energy"

Alliance to Save Energy

AASHE 2011 Conference; Pittsburgh, PA

October

"Going Underground on Campus"

AASHE 2011 Conference; Pittsburgh, PA

October

"Academic Infusion of Sustainability"

AASHE 2011 Conference; Pittsburgh, PA

October

"USGBC Educators Summit"

USGBC Green-Build Convention, Boston

2008

"Inventive Laboratories for Greening the Curriculum and Community"

USGBC Green-Build Convention, Chicago

2007

"Ecological Literacy: Are Architecture Schools failing the Environment?"

AIA Annual Convention, San Antonio

2007

"A Primer on Green/Sustainable/Regenerative Buildings"

Senator Richard G. Lugar Briefing

2007

“Advancing Sustainability in Curriculum, Research, Campus Operations, and the Community”

DEMANDING EXCELLENCE: Liberal Education in an Era of Global Competition, Anti-Intellectualism, and Disinvestment, for the Association of American Colleges and Universities (AACU) 6th National Conference,
Washington 2006
<http://www.aacu.org/meetings/annualmeeting/AM06/FinalProgram.cfm/>

Participant:

“Creating a Carbon Neutral Climate on Campus”

Pre-Conference Workshop:
Greentown Conference ISU Terre Haute 2011

“Energy for a Sustainable and Secure Future,”

National Conference on Science and the Environment 6th National Conference
Washington 2006
<http://ncseonline.org/ncseconference/2006conference/>

“‘Green Studies’ Survey”

Theological Roundtable on Ecological Ethics and Spirituality
Indianapolis 2001

“Extramural Funding and Architectural Education” Survey

G.Z. Brown, University of Oregon, 2001

“Environmental Sustainability Leadership in Higher Education”

University of Michigan,
Michael Shriberg, P.I. 2001-02

“Wingspread Design Conference: Sustainable Community Relocation”

The Johnson Foundation, Racine 1994

“Daylighting Lab Roundtable”

Andersen Window Corporation,
Minneapolis 1993

“Interdisciplinary Roundtable”

Creating Community Sustainability across America Conference,
Washington 1993

Plenary Speaker: *“Greening the Campus: Implementing the Talloires Declaration at Ball State University”*

“Shaping a Sustainable Future: Best Practices in Higher Education”

Second Nature Midwest Workshop
Morgantown 2001

“The Sustainable Urban Rural Enterprise Web”

Sustainable Cities Symposium: Preserving and Restoring Urban Bio-diversity
Chicago Academy of Sciences 1990

Session Chair: *“Education and Training”*

USGBC Greenbuild Conference,
Pittsburgh 2003

“Sustainability Projects”

American Solar Energy Society Annual Meeting,
Minneapolis 1995

Respondent: *“Rethinking Design Curriculum: Integrating Solar Energy for a Sustainable Future”*

Global Possibilities’ Second Annual Symposium,
New York 1998

<http://www.spiderweb.org/globalpossibilities/solarfuture/>

Technical Paper Reviews:

“Are we there yet?”

Symposium Proposal for the ACSA 98th Annual Meeting
New Orleans, LA 4-7 March 2010

“Contemplation and Meaning in Sustainability Education February 2010”

IJSHE manuscript: Man19 - 09010

International Journal of Sustainability in Higher Education (IJSHE) - Reviewers’ Report
Reporting at Canadian Universities 2009

Regional:

Host:	<i>"Sustainable Communities Teleconference"</i> US Department of Energy	1995
Moderator:	<i>"Technology in Architectural Education, Research and Practice"</i> The BSU Berlin Symposium	1996
Participant:	<i>"Environmental Technology and Sustainability in Business"</i> Miami University, Oxford	1993
Planner/Host:	<i>"Energy-10 Building Energy Simulation Software Applications"</i> Sustainable Buildings Industry Council (SBIC) and IN Dept. of Commerce, Energy Office	2003
Lecture:	<i>"Resources, Information and Tools: Employing the USGBC LEED™ Rating System"</i> ASHRAE Chapter Meeting	2004
	<i>"Finding and Evaluating Recycled Building Materials"</i> Sustainable Development: Recycled Building Materials Conference, Joslyn Castle Institute for Sustainable Communities, Omaha	1997
	<i>"AIA Sustainability Workshops"</i> St. Louis Chapter, AIA, St. Louis	1996
	<i>"Building Energy Indexing"</i> Indiana Association of Home Builders and Indiana Division of Energy Policy Conference	1987

State:

Lecture:	<i>"Institutional Immersive Learning: BSU and Sustainability"</i> Board of Trustees Briefing	2008
	<i>"Five Teams; Five Expressions"</i> CAP Faculty Symposium, Ball State University	2013
	<i>"A Sustainability Briefing: A Green/Sustainable (and Regenerative) Design Primer"</i> Department of Theatre and Dance, Ball State University	2013
	<i>"Institutionalizing Sustainability-From the Ground Up"</i> Department of Physics and Astronomy Colloquium Ball State University	2013
	<i>"Indiana Energy Program"</i> Indiana Academy for Science, Math, and Humanities Muncie, IN	2013
	<i>"Ball State Geothermal"</i> Greentown Conference, Valparaiso, IN http://youtu.be/3uoIvylhHY	2012
	<i>"Architecture: Energy Star and LEED, the Importance of Design"</i> The 4th Annual Richard G. Lugar Collegiate Energy Summit Purdue University, West Lafayette, IN Hosted by: Purdue Energy Forum	2012
	<i>"The Ball State Story"</i> Environmental Sustainability Committee Teachers College Ball State University	2012
	<i>"Net-Zero Energy and Carbon Neutrality: Example Student Projects"</i> Design Interaction Day, IN Chapter ASID Ball State University	2012
	<i>"The Ball State Story"</i> Building Better Communities Staff Meeting Ball State University	2011

- “Education and the Climate Commitment”*
 American Association for Adult and Continuing Education (AAACE)
 Workplace Learning Pre-Conference Training
 Indianapolis, IN 2011
- “Implementing the ACUPCC: Ball State University is going Geothermal”*
 USGBC Indiana Building Green Symposium
 Indianapolis, IN 2010
- “Sustainability 101: The big picture view of why undertaking green strategies at home, work, or in our communities is important” and*
“Renewable Energy: Our energy options, how energy saving strategies can save money, and incentive programs out there to help make the switch”
 BSU Indianapolis Center Green Ambassador Certificate Program
 Indianapolis, IN 2010
- “An Academic Challenge: Working Across the Curriculum”*
 Sustainability Summit for Indiana Colleges and Universities
 Ball State University 2008
- “Defining the Vision for Higher Education”*
“The Design of Centers for Regenerative Studies”
 CAP Symposium
 Ball State University 2008
- “Eight Years Later: Assessing Notable Architecture of the Midwest Using the Vital Signs Protocol”*
 CAP Symposium 2009
- “Defining the Vision for Higher Education”*
 Browning Day Mullins Dierdorf, Architects
 2008 Sustainable Design Series 2008
- “The Indiana Department of Education K-12 School Design Guidelines”*
 Statehouse Briefings:
 Senator Hershman
 Senator Lubbers
 Representative Pierce
 Board of Education
 Indiana Department of Education, Suellen Reed
 2008
- “Defining the Vision for Higher Education”*
“The Design of Centers for Regenerative Studies”
 CAP Symposium 2008
- “Institutional Immersive Learning: BSU and Sustainability”*
 Board of Trustees Briefing 2008
- “An Academic Challenge: Working Across the Curriculum”*
 2008 Sustainability Summit for Indiana Colleges and Universities
 Ball State University 2008
- “Resources, Information, and Tools”*
 ASHRAE Chapter meeting,
 Indianapolis 2004
- “Greening of the Campus and LEED™ Initiatives at Ball State University”*
 International Association of Physical Plant Administrators (IAPPA),
 BSU Alumni Center 2004
- “The Ball State Experience: Implementing the Talloires Declaration”*
 Muncie Sierra Club 2002
- “Purchasing and Environmental Responsibility: A Ball State Framework”*
 Indiana Chapter, National Association of Educational Buyers,
 Indianapolis 2002
- “The Shelbyville/Shelby County GIS Implementation Project”*
 Legislative Opportunity Briefing,
 BSU 2002

	<i>"Ball State University: The 'Green' Experience"</i>	
	The Campus Environmental Stewardship Kick-off, Indiana University (with T. Lowe and W. Vander Hill)	1998
	<i>"Sustainable Urban Rural Enterprise"</i>	
	Indiana University East	1990
	<i>"Building Energy Indexing"</i>	
	Indiana Bell	1990
	<i>"Solar Energy and Conservation"</i>	
	Department of Physics, Indiana University	1987
	<i>"Energy Code Requirements - The New Indiana Code"</i>	
	Indiana Association of Building Officials	1981
	<i>"Solar Education at BSU"</i>	
	Indiana Concrete Masonry Association	1981
	<i>"Our Energy Choices"</i>	
	Forum on Religion; Art and Architecture – Regional Conference, Indianapolis	1980
	<i>"Energy Activities and The Solar Symposium,"</i>	
	Educators Roundtable, University of Illinois	1978
	<i>"Conceptual Applications of Environmental Control"</i>	
	ACSA Regional Meeting	1977
Moderator:	<i>"ISA Energy Panel"</i>	
	Nashville	1977
Practitioner:	<i>"Sustainability" Conference,</i>	
	Richmond	1995
	<i>"Shaping of the 21st Century Environmental Policy Conference"</i>	
	The Indiana Academy for Science, Mathematics, and Humanities Muncie, IN	1995
	Numerous talks to local Kiwanis, Rotary, and other Civic Groups	

EXHIBITS

	<i>"Cincinnati Hillside Housing Competition"</i>	
	College of Architecture and Planning Faculty Show	1986
	<i>"The Boyce Block"</i>	
	National Building Museum, Washington	1982
	<i>"Drawing as Discovery"</i>	
	College of Architecture and Planning Faculty Show	1980

PROFESSIONAL SERVICE

COMMITTEE AND BOARD MEMBERSHIPS

International:

Editorial Board: International Journal of Sustainability in Higher Education,
Walter Leal Filho, Editor MCB University Press 1999-Present
<http://www.emerald-library.com>

Open House International 2007-Present
Nicholas Wilkinson, Editor Eastern Mediterranean University, North Cyprus
www.openhouse-int.com

Advisory Board: Journal of Bio Urbanism (JBU) 2007-Present
An international online journal of architecture, planning, and built environment studies,
headquartered in Italy; reporting on the research findings and innovative approaches for creating
responsive environments as a central issue of urban study and architecture.
<http://www.biourbanism.org/>

- Advisor: Partnership for Academic Leadership in Sustainability (PALS) 2010-Present
http://www.pratt.edu/academics/academic_resources/center_for_sustainable_design_studies/palss/
 Thirty-three academic leaders from 33 independent colleges of Art and Design are working together to create a new vision for design education. In September 2012 the schools gathered at the School of the Art Institute of Chicago to begin the implementation of their collaborative vision.
- Reviewer: Open House International 2007-Present
 Nicholas Wilkinson, Editor Eastern Mediterranean University, North Cyprus
www.openhouse-int.com
- Solar Energy Magazine, Elsevier Publishing
 Ms. Ref. No.: SE-D-07-00121
 Title: “*Comfort survey and numerical analysis of design approaches to improve the comfort level of enclosed-arcade markets during summer*”
- Member, Editorial Board and Reviewer
International Journal of Sustainability in Higher Education
 Walter Leal Filho, Editor MCB University Press
<http://www.emerald-library.com/>
- Member: Advisory Board and Scientific Committee
Journal of Bio Urbanism (JBU)
 JBU is an international online journal of architecture, planning, and built environment studies, headquartered in Italy; reporting on the research findings innovative approaches for creating responsive environments, with special emphasis on human aspects as a central issue of urban study and architecture.
<http://www.biourbanism.org/>
- Consultant: “*Development Phase 1B, Design Package 2 and 3*”
 Abu Dhabi Future Energy Corporation, Masdar Development, Masdar City
- Editorial Board: International Journal of Sustainability in Higher Education,
 Walter Leal Filho, Editor MCB University Press 1999-Present
<http://www.emerald-library.com>
- Member: Technical Review Committee, 19th Passive Solar Conference
 1994
 Technical Review Committee, 17th Passive Solar Conference,
 1992
 Technical Review Committee, 16th Passive Solar Conference,
 1991
 Steering Committee, 9th Annual Energy Efficient Building Association
 Conference and Exposition, 1990
- Reviewer: Journal of Environmental Management on behalf of Oikodrom –
 The Vienna Institute for Urban Sustainability 2005-06
- McGraw-Hill
Passive and Active Environmental Controls: Informing the Schematic Designing of Buildings by
 Dean Heerwagen, 2004
- Session Chair: 25th Passive Solar Conference 2000
 20th Passive Solar Conference 1995
 19th Passive Solar Conference 1994

National:

BOARD MEMBERSHIPS / ADVISORY COMMITTEES / PANELS

“Examining the EPA’s Greenhouse Gas Rule and the ACUPCC Reporting Systems”
NACUBO Smart and Sustainable Campuses Conference,
University of Maryland 23 March 2010

“Greening the Campus: How Education Institutions Combat Climate Issues”
GreenTown Chicago Conference, Chicago October 2009

Member: Association for the Advancement of Sustainability in Higher Education (AASHE)
Advisory Council 2011-2014
ASES Travel Scholarship Committee SBSE 2012-2013
Advisory Panel
Sustainable Endowments Institute (SEI) 2011-2012
Alliance to Save Energy Power-Save Campus
and Schools Programs 2011-2012
USGBC Research to Practice Advisory Committee 2011-2012
SBSE Scholarships and Awards Program 2011-2012
Technical Working Group
Infusing Green and Sustainability Standards in the Career
Clusters Knowledge and Skill Statements
National Career Clusters Framework
US DOE OVAE & NCTEF 2011
AASHE Climate Action Plan Subcommittee 2010-2011
SBSE Carbon Neutral Studio Group
High Performance Schools Committee, SBIC
Higher Education Energy Alliance (HEEA)
ACUPCC Academic Guidance Document Advisory Group
Excellence in Green Building Curriculum:
Incentive Grant Committee
Ohio COTE Green Awards Jury 2008
Accreditation Review Conference Preparation 2010
Report to the ACSA Board of Directors
Topic Group: Sustainability
Development of an Advanced Energy Design Guide for K-12 2011
School Facilities SBIC
Campus Advisory Council
NWF Campus Ecology Program 2009
Founding Member
AASHE Board of Directors 2006-2012
Participant: 2011 Energy Efficiency Summit: 2011
Tools for a Greener Tomorrow
Long Beach, CA
Pratt Academic Leadership Sustainability Summit (PALSS) 2010
Pratt Institute; Brooklyn, New York
Clinton Climate Initiative (CCI) 2010
Financial Resources Committee
Reviewer: AASHE 2012 Conference
Investing in the Future 2012
Outside
Evaluator: Reappointment and Promotion Review; Senior Lecturer
Center for Environmental Studies
Brown University 2013
Promotion Review/ Department of Architecture
UT San Antonio 2011
Promotion Review / School of Architecture

University of Minnesota	2011
Member: Climate Action Plan Subcommittee	
Association for the Advancement of Sustainability in Higher Education (AASHE) 2010-2011	
Participant: Pratt Academic Leadership Sustainability Summit (PALSS)	
Pratt Institute Brooklyn, NY	29 Sept. – 1 Oct. 2010
Participant: Clinton Climate Initiative (CCI) Financial Resources Committee	
Participant: 2011 Energy Efficiency Summit: Tools for a Greener Tomorrow	
Long Beach, CA	29-31 January 2011
Reviewer, AASHE 2012 Conference: Investing in the Future	
Member: Alliance to Save Energy Power-Save	
Campus and Schools Programs	2011-2012
Advisory Committee USGBC Research to Practice Program	2011-2012
SBSE scholarships and awards program	2011-2012
Research to Practice Advisory Panel	
US Green Building Council	December 2011-12
Advisory Panel Sustainable Endowments Institute (SEI)	
AASHE, the Princeton Review, Sierra magazine, SEI	October 2011-12
Technical Working Group	
Infusing Green and Sustainability Standards in the	
Career Clusters Knowledge and Skill Statements	
National Career Clusters Framework	
US DOE OVAE & NCTEF	
Member: Climate Action Plan Subcommittee	
Association for the Advancement of Sustainability in Higher	
Education (AASHE)	2010-2011
Participant: Pratt Academic Leadership Sustainability Summit	
(PALSS) Pratt Institute Brooklyn, NY	Sept. – Oct. 2011
Participant: Clinton Climate Initiative (CCI) Financial Resources Committee	
Founding Member, Board of Directors, AASHE (six year term; ending) December 2011	
Founding Member, Board of Directors, AASHE	
Member, AASHE Climate Action Committee	
Member, ACUPCC Academic Guidance Document Advisory Group	
Member, Excellence in Green Building Curriculum: Incentive Grant Committee, USGBC	
Member, SBSE Carbon Neutral Studio Group	
Member, USGBC Formal Education Committee (elected)	
Member, High Performance Schools Committee, Sustainable Buildings Industry Council	
Member, Roadmap to a Green Campus Working Group, HEEA	
Member, Higher Education Energy Alliance	
Member, Building Technologies Program, US DOE Office of Energy Efficiency and Renewable Energy	
Steering Committee	
<i>Colleges, universities, associations, and private sector partners team with the U.S. Department</i>	
<i>of Energy to change the energy and environmental footprint of the higher education sector.</i>	
Member, Excellence in Green Building Curriculum: Incentive Grant Committee, USGBC	
Member, Ohio COTE Green Awards Jury; <i>Built and Un-Built Architecture</i> , March 2008	
Member, SBSE Carbon Studio Group	
Member, Accreditation Review Conference Preparation (Report to the ACSA Board of Directors)	
Topic Group: Sustainability	
Member, Development of an Advanced Energy Design Guide for K-12 School Facilities SBIC	
Member, USGBC Formal Education Committee (elected)	
Member, Founding Board of Association for the Advancement of Sustainability in Higher Education	
Member, Campus Advisory Council, National Wildlife Federation Campus Ecology Program	
Member, Board of Directors, Indiana Chapter, US Green Building Council	
Member, High Performance Schools Committee, Sustainable Buildings Industry Council	
Member:	
Sustainability Advisory Group for The Children’s Museum (TCM) of Indianapolis	
AIA Sustainable Development Legislative Ctte.	2010-11
Association for the Advancement of Sustainability in Higher Education (AASHE)	
Founding Board of Directors	2005-Present

	Campus Advisory Council, NWF Campus Ecology Program	2005-Present
	US Green Building Council Provisional Indiana Chapter, Board of Directors	2004-Present
	Sustainable Buildings Industry Council, High Performance Schools Committee	2004-Present
	Association of Collegiate Schools of Architecture Sustainability Task Force	2003-04
	Solar Buildings Division, ASES Board of Directors	2003-04, 96-99
	American Institute of Architectural Research (AIAR) Policy Advisory Board	1995-98
	AIA/ACSA Research Council Board of Directors	1992-95
	Task Force on Resources Assessment and Planning, ACSA	1991-92
	Association of Collegiate Schools of Architecture Board of Directors	1989-92
	Indiana HERS (Home Energy Rating Systems) Technical Guidelines Committee	1981-88
	Daylighting Network of North America BOD	1988
Advisor:		
	USGBC Indiana Chapter Board of Directors	2010-11
Participant:	Sustainable Environmental Design Education Program (SEDE) California Integrated Waste Management Board, Cal Poly San Luis Obispo, CA	2003
Respondent:	College of Architecture and Design Dean Search, University of Tennessee	2004
	<i>Eco-Design and -Building Directory</i> survey,	2004
Session Chair:	<i>“Education and Training”</i> , USGBC Greenbuild Conference, Pittsburgh,	2003
Host:	<i>“Architecture as Pedagogy” (38 Participants)</i> Society of Building Science Educators (SBSE) Architectural Tour, Columbus, Indiana, Waycross Conference Center, Morgantown	2003
Reviewer:		
	Solar Energy Magazine, Elsevier Publishing Ms. Ref. No.: SE-D-07-00121 Title: <i>“Comfort survey and numerical analysis of design approaches to improve the comfort level of enclosed-arcade markets during summer”</i> <i>“Energy Efficient Building Equipment and Envelope Technologies, Round III”</i> U.S. Department of Energy, Office of Building Technology, State and Community Programs and National Energy Technology Laboratory	2003
	Environmental Design Research Association	1985-95
	Midwest Appropriate Technology Small Grants Program, Department of Energy	1982-83
	Office of Technology Evaluation and Assessment, US Department of Commerce, National Institute of Standards and Technology (formerly the Office of Energy-Related Inventions, Department of Energy)	1985-05
	Technical Assistance Network: National Center for a Barrier-Free Environment,	1986-92
	Van Nostrand Reinhold Textbook Division	1987-Present
<u>Regional:</u>		
Member:	Sustainability Advisory Team; Indiana Children’s Museum	2010

Director:	Association of Collegiate Schools of Architecture, East Central Region	1989-92
Representative:	Central States Universities Incorporated	1982-92
Juror:	University of Notre Dame, South Bend Solar Design Competition, Kentucky Solar Energy Cabinet	1983 1983
Member:	Central States Universities Incorporated, Board of Directors <u>CENTRAL Papers on Architecture</u> Founding Editorial Board Hoosier Solar Energy Association, Board of Directors	1984-92 1980-86 1977-78
President:	Central States Universities Incorporated	1990
<u>State:</u>		
Member:	IU Bloomington Campus Sustainability Awards Jury AIA Sustainable Development Legislative Ctte. Sustainability Advisory Group for The Children's Museum (TCM) Indianapolis, IN AIA Sustainable Development Legislative Ctte	2012 2010-11 2010 2007-2011
Participant:	Indiana Solar Working Group IN Government Center	2010
Advisor:	USGBC Indiana Chapter Board of Directors,	2008-11
Member:	Indiana Energy Policy Forum, (Gubernatorial Appointment) Indiana State Energy Code Subcommittee, State Resources Advisory Panel (Gubernatorial Appointment)	1991-93 1990-91 1979-82
<u>Local:</u>		
Member:	Muncie Children's' Museum Board of Directors	1981-83
Moderator:	Academy for Community Leadership, BSU School of Continuing Education	1995-96
<u>University:</u>		
Chair:	Sustainability Curriculum Task Force President's Climate Action Task Force	2009-2010 2009-2010
Member:	Task Force on Sustainability Education BSU Outstanding Awards Committee, (Appointed by Dr. Marilyn Buck) Centers and Institutes Task Force, Morris Udall Scholarship Selection Committee	2012 2009-2011 2008-2009 2007
BSU Rep:	STARS Charter School Participant STARS Pilot Project [one of 92 schools]	
Advisor:	University Design Center; Interior Design Dept. Reza Ahmadi https://www.thestarpress.com/article/20130501/NEWS01/305010015/Education-by-design-Ball-State-students	2013
Host:	Senator Lugar and Indiana Green Campus Network (IGCN) Presidents' Dinner (September) Indianapolis, IN	2010
Participant:	Focus the Nation Week 'Unit-Level Sustainability Planning at BSU' (Feb) Ethics Week (April) 'Institutional' Immersive Learning: BSU and Sustainability	2009 2008
Speaker:	Collaborative Kiosk Project Midwest Research to Practice Conference Alumni Center September	2008 2007
Planner:	'Green' for Green Summer Workshop	2008

MOU:	ECOSA Institute Memorandum of Understanding	
MOU Update:	ECOSA Institute Memorandum of Understanding	
Host:	Senator Lugar and Indiana Green Campus Network (IGCN) Presidents' Dinner Indianapolis, Indiana	2010
Member:	BSU Outstanding Awards Committee, (Appointed by Dr. Marilyn Buck)	2010-2011
BSU Rep:	STARS Charter School Participant	
Member:	Centers and Institutes Task Force, 2008-09	
BSU Rep:	STARS Pilot Project [one of 92 schools]	
Chair:	President's Climate Action Task Force	
Participant:	Focus the Nation Week; <i>'Unit-Level Sustainability Planning at BSU'</i> , February 2009 Princeton Review Survey, 2008 Peterson's Guide Survey, 2009 Ethics Week; <i>'Institutional' Immersive Learning: BSU and Sustainability</i> , April 2008 Princeton Review Survey, 2008 Collaborative Kiosk Project, 2008	
Member:	Morris Udall Scholarship Selection Committee, 2007	
Speaker:	Midwest Research to Practice Conference, Alumni Center September, 2007	
Planner:	'Green' for Green Summer Workshop	2008
Chair:	Director, Sponsored Programs Office Search Clustered Minors Curriculum Committee Morris Udall Scholarship Nominating Committee Indiana Policy for Statewide Higher Education, Provost's Study Group	2012 1997-Present 1996-00 1993-94
Co-Chair:	Provost's 'Green' Committee on Environmental Issues Recycling Implementation Committee 'Green-2' Committee on Environmental Issues	1991-92 1990-92 2000-01
Co-Nominator:	David Orr, BSU Honorary Doctor of Humanities Degree Recipient May Commencement	2002
Member:	Senate Governance Committee <i>iCommunications</i> Incubator Advisory Group Senate Agenda Committee Master Planning and Facilities Committee Patent and Copyright Committee (ex-officio status conferred) Subcommittee on Partnership Agreements Patent and Copyright Committee University Senate Advisory Board, Housing Futures Institute Technical Safety Committee Office of Research and Sponsored Programs Director Search Committee Honors College Summer Workshops AASCU Institutional Exchange Program Faculty Team Creative Arts Committee	2003-04 2003-04 1999-01 1999-01 1991-Present 1997 1999-01 1998-01 1992 1990-91 1983 1982-90 1981 1980
Facilitator:	PEW Charitable Trust Roundtables	1994-95
Sponsor:	Solar Energy Research Institute, SOLERAS Short Course: J. Gough S. Schmieman	1982 1981
<u>College:</u>		
Advisor:	Emerging Green Builders (EGB) Student Chapter, USGBC	2003-Present
Chair:	Promotion and Tenure Committee Curriculum Committee	1981-82, 90, 91 1983-84

Moderator:	College Forum	
	The New University Senate System	2002
Member:	Council for Research and Creative Endeavors	2012
	CAP College Council	1994-97
	CAP Administrative Group	1982-94
	Promotion and Tenure Committee	1980-82, 90, 91, 92
	"Writing in the Design Curriculum" Committee	1986
	<u>ReCAP</u> Editorial Advisory Board	1984-94
	Curriculum Committee	1982-83, 84
	Salary Committee	1980-81
Panel Member:	"Paving Over Paradise" CAP Guest Lecturer, Daniel Glenn, Montana State	2002
 <u>Departmental:</u>		
	Routine Faculty Obligations	Continuing
	Departmental Meetings	Continuing
	Faculty Retreats	Continuing
	Candidate Interviews	Continuing
	University and College Commencement	Continuing
Chair:	Architecture Chair Search Committee	2004, 98
Coordinator:	Environmental Systems Course Work	1981-82
Fac. Advisor:	SCAIA	1975-77
Fac. Councilor:	Association of Collegiate Schools of Architecture	1978-80
Host:	LUNCHLINE tm - George Kassabaum	1982
Member:	Department of Architecture	
	Graduate Curriculum Committee	2003-Present
	Department of Architecture	
	Graduate Program Admissions Committee	2004-05
	Faculty Search Committee	2000-05, 74-82
	Portfolio Review Committee	1999-00
	Curriculum Committee	1996-98, 99-01
	Departmental Honors Committee	1996-98
	Promotion and Tenure Committee	1990-91
	Curriculum Committee	1979-82, 92-93, 93-94, 99-00
	Faculty Search Committee	1974-82

PROFESSIONAL AFFILIATIONS

Current:

AASHE	Assoc. for the Advancement of Sustainability in Higher Education	2006
ACADIA	Assoc. for Computer Aided Design in Architecture	1995-Present
ACSA	Assoc. of Collegiate Schools of Architecture	1974-Present
AIA	American Institute of Architects	1979-82, 94-96, 2005-Present
ARCC	Architectural Research Centers Consortium	1998-Present
ASES	American Solar Energy Society	1983-Present
BTES	Building Technology Educators Society	2014-Present
CEREL	Council of Energy Research and Education Leaders	2011-Present
DA	Designers Accord	2011-Present
DFC	Design Futures Council	2012-Present
ILBI	International Living Building Institute	2010-Present
NIBS	National Institute of Building Sciences	2011-Present
SBSE	Society of Building Science Educators	1985-Present
SBIC	Sustainable Buildings Industry Council	1999-Present
USGBC	United States Green Building Council	2001-Present

Past:

CIB	International Council for Research & Innovation in Building Const.	2005- Present
DNNA	Day lighting Network of North America	1986-88
EEBA	Energy and Environmental Building Association	1998-05
HSEA	Hoosier Solar Energy Association	1977-80
IAPS	International Association for People-Environment Studies	1995-04
ICR	Indiana Construction Roundtable	2003-Present
IFMA	International Facility Management Association	1992-04
INSEIA	Indiana Solar Energy Industries Association 1	1983-88
ISCC	Interstate Solar Coordinating Council	1982-85
ISEC	Indiana Solar Energy Coalition	1982-88
PSIC	Passive Solar Industries Council	1986-99

Appendix A

Detailed Listing of Administrative Coordination, Support and Brokerage, Including PI Citations

<i>"Connecting Biomass Producers & Users: Bioenergy Crops on Marginal Lands in Indiana"</i>		
The Department of Commerce, Energy Division, State of Indiana; Drs. H. Brown, J. Eflin, J. Vann and Professor D. Ferguson, P.I.'s. http://www.bsu.edu/provost/ceres/ceres/R_biomass.htm		
	(\$100,000)	1999-01
<i>"GIS Implementation for Shelbyville and Shelby County"</i>		
The City of Shelbyville and the commissioners of Shelby County		
	(\$250,000)	1999-00
Mr. D. Schoen, P.I.		
<i>"A GIS Needs Assessment Study for Shelbyville and Shelby County"</i>		
The City of Shelbyville and the commissioners of Shelby County		
	(\$13,000)	1999
Mr. D. Schoen, P.I.		
<i>"The Four Schools Lighting Study"</i>		
Bartholomew County School Corporation		
	(\$6,000)	1996-98
R. A. Fisher, P.I.		
<i>"Intergraph Center of Excellence; Equipment Acquisition and Operational Program"</i>		
Intergraph Corporation, Huntsville		
	(\$4.6 million)	1995
Dr. B. Pitts, P.I. Mr. R. Koester, Program Manager		
<i>"PSI TAP Manual II"</i>		
Public Service Indiana, Plainfield		
	(\$15,500)	1995-96
Dr. J. Kirkwood, P.I.		
<i>"Olympic Equestrian Venue Sun/Shadow Studies"</i>		
Browning/Day/Mullins/Dierdorf, Indianapolis		
	(\$ 1,500)	1994
Mr. J. Culp, P.I.		
<i>"PSI Technical Applications Program Manual"</i>		
Public Service Indiana, Plainfield		
	(\$45,000)	1993-94
Dr. J. Kirkwood, P.I.		
<i>"PSI Energy Staff Curriculum Package Development"</i>		
Public Service Indiana, Plainfield		
	(\$12,000)	1992-93
Dr. J. Wescott and Dr. C. McLaughlin , P.I.'s		
<i>"Development of a CAD-Based Facility Management System, Phase IIIA,"</i>		
Indiana U. Medical Center, Indianapolis		
	(\$20,000)	1993
Mr. D. Owen, P.I.		
<i>"Alternative Agricultural Development Market Study"</i> ⁷		
Indiana Commissioner of Agriculture		
	(\$80,000)	1993-94
Mr. D. Ferguson, P.I.		
<i>"Identifying Value-Added Specialty and Diverse Cropping Options"</i>		
Indiana Commissioner of Agriculture		
	(\$19,500)	1993-94
Mr. L. Smith, P.I.		
<i>"Phase II GIS Implementation"</i>		
Wayne County Commissioners and the City of Richmond		
	(\$12,000)	1991
Mr.D. Schoen, P.I.		
<i>"Development and Implementation of a Prototypical Geographic Information System"</i>		
Wayne County Commissioners and City of Richmond, Indiana		
	(\$18,000)	1990
Mr. D. Schoen, P.I.		

⁷ Cited in Democracy and Technology, Richard E. Sclove. The Guilford Press, London, 1995, pages 215-216.

<i>"Assessment of Air Quality and Ash Residues from Trial Burns of Refuse Derived Fuel"</i>		
Council of Great Lakes Governors, Chicago, Illinois	(\$60,000)	1990
Dr. J. Pichtel, P.I.		
<i>"Preparation of Energy-Conservation-Based Duct Design Handbook"</i>		
Electric Power Research Institute, Palo Alto, California; and Public Service Indiana, Indianapolis	(\$9,945)	1990
Dr. J. Wescott, P.I.		
<i>"Evaluation of Virginia Weatherization Program"</i>		
Virginia Center for Coal and Energy Research; Virginia Polytechnic Institute, Blacksburg	(\$7,950)	1989
Dr. W. Hill, P.I.		
<i>"Supplemental Program for Evaluation of Fuel Savings and Cost Effectiveness of Selected Virginia Weatherization Measures"</i>		
Va. Center for Coal and Energy Research; VPI	(\$9,000)	1989-90
Dr. W. Hill, P.I.		
<i>"An Evaluation of Fuel Savings and Cost Effectiveness of Energy Conservation Measures Installed Under Indiana's Energy Conservation Financial Assistance Program"</i>		
Indiana Department of Commerce, Dr. W. Hill, P.I.	(\$44,300)	1989-90
<i>"Performance Testing of the Flex-o-Lite 'Solar-Pro' PV-Powered Highway Arrow Board"</i>		
The Flex-O-Lite Corporation, St. Louis;	(\$2,500)	1989
Dr. D. Govaer, P.I.		
<i>"Investigative Analysis and Data Base Preparation for Parkside Elementary"</i>		
Bartholomew Consolidated School Corp.	(\$2,500)	1988
Mr. J. Culp, P.I.		
<i>"Preliminary Energy Assessment of the Muncie Eye Surgi-Center"</i>		
L. Marshall Roch, M.D.	(\$600)	1985
Mr. D. Mackey, P.I.		
<i>"Indiana Energy Tax Credit Impact Analysis" and "United States Tax Credit Survey"</i>		
Indiana Solar Energy Coalition	(\$1,000)	1983
Graduate Assistants, College of Business, P.I.		
<i>"Performance Testing of the 'Arrotrek' PV-Powered Highway Arrow Board"</i>		
The Flex-O-Lite Corporation, St. Louis	(\$6,000)	1988
Dr. D. Govaer, P.I.		
<i>"A Three Phase Study of Solar Applications for Industrial Heating: The Plant 17 Study"</i> , Delco-Remy	(\$26,000)	1984
Dr. R. Cosby, P.I.		

Appendix B

CERES Lighting Lab Studies

(Selected Examples)

<i>“A Sun Penetration and Overcast Sky Daylighting Study of a South-facing Classroom Design for the Lydia Middleton Elementary School in Madison, Indiana”</i>	Ratio Architects	Indianapolis	2005
<i>“An Evaluation of Daylight levels and Sunlight Intrusion Patterns in the Proposed Design of the ER and Patio Areas of the St. Joseph Hospital in Kokomo Indiana”</i>	BSA LifeStructures	Indianapolis	2005
<i>“A Daylight and Sunlight Distribution Study of the Central Rotunda in a Proposed Academic Building for Ivy Tech’s Marion Campus”</i>	BSA LifeStructures	Indianapolis	2005
<i>“A Sun Penetration Pattern and Overcast Sky Daylighting Study of an Atrium Design for the Swiss Village Inc. Community Center in Berne, Indiana”</i>	Fanning/Howey Associates, Inc.	Celina	2005
<i>“An Overcast Sky Daylighting Study of a Classroom Design for Dayton Public Schools: Hickorydale in Dayton, Ohio”</i>	Levin Porter Associate, Inc.	Dayton	2005
<i>““A Daylight and Sunlight Distribution Study of the Wayne Trace High School”</i>	Fanning/Howey Associates, Inc.	Celina	2003
<i>“A Sun Penetration Study of the Forum Credit Union Office Building”</i>	Browning Day Mullins Deirdorf Architects	Indianapolis	2005
<i>“A Daylight and Sunlight Distribution Study of the Goshen College Merry Lea Environmental Education Center”</i>	Morrison Kattman Menze, Inc.	Fort Wayne	2005
<i>“A Sun Penetration Study of the Addition to the College of Communication, Information and Media Building at Ball State University”</i>	MSKTD & Associates	Ft. Wayne	2005
<i>“A Daylight and Sunlight Distribution Study for a Prototype Classroom Remodeling”</i>	Ratio Architects	Indianapolis	2005

Appendix C

Detailed Listing of Technical Reports Prepared for Funding Agencies and Administrative Units

The Office of Energy-Related Inventions: First Stage Invention Reviews

"Compound Convective Component Flow Matrix Construction System"
"Solar Hex Building Construction"
"Radially Segmented Plastic Building"
"Composite Fabric Endothermic Material Thermal Control Systems for Homes and Building Structures"
"Identification of an Endothermic Agent for Use in a CFEM: Composite Fabric Endothermic Material"
"Thermal Control System for Homes and Building Structures"
"Geodesic Building Construction System"
"An Advanced Reinforced Locking Window Assembly"
"Metal Stud Prefabricating System"
"Utilization of Wind Component Heat Loss in Mini Structures"
"Endothermic Technology: Improvements in or Relating to Buildings"
"Devise and Method to Set and Salvage Structures"
"The Scribed Dovetail Building"
"Ventilated Roof Shingle"
"Radially Segmented Plastic Building"
"Biomass Pelleter"
"Building Panel Construction"
"Picture Window Storm Window"
"Compound Convective Component Matrix"
"Solar Hex Building Construction"
"Earth Sheltered Thin Shell Dome"
"Tensul-Wall Building Panel"
"Cross Frame Bracket"
"A Look Into the Energy Applications to Manufacture Housing"
"Continuous Sandwich Panel"
"Electro Stud"
"Space Frame with Mutually Dependent Surfaces"
"Starter Shingle a Letter"
"Roof Design"
"Roofing Shingle with Felt Backer"
"Pyramidal Core Structures"
"Roof Rover"
"Radially Segmented Plastic Building"
"A Look at Solar Energy Applications to Manufactured Housing"
"Compound Convective Component Flow Matrix Construction System"

U.S. Department of Energy, Federal Energy Technology Center: Research Proposal Reviews

"Development and Demonstration of an Energy Efficient and Operationally-Dynamic Window/Wall System"
"Energy Efficient Load Bearing Steel Studs"

Appendix D

Graduate Thesis Committee Chairships

(Selected Examples)

Brad Brutout	<i>“Vertical margin between occupied space and exterior conditions”</i>
Xiorelis Cox	<i>“The Relation between Theming and Sustainability”</i>
Michela Cupello	<i>“The meaning of the concept “change of use” and the integration of green technologies in the process of urban restoration.”</i>
Ben Greenberg	<i>“Socially responsible, environmentally informed alternative to suburban housing”</i>
Amanda Raymond	<i>“Metrics as a Foundation of Systematic Design: Incorporating Performance Measures in the Architectural Design Process”</i>
Paul Reynolds	<i>“Building knowledge with straw bale construction”</i>
Christopher Rhoads	<i>“Modifying double-skin facades: hospitals, residential, educational, office and performing arts buildings”</i>
Chris Savoy	<i>“Architectural Climate Symbiosis”</i>
Brian Watson	<i>“An Inquiry into Prefabrication and its Potential to Elevate the Field of Residential Design”</i>

Graduate Thesis Committee Memberships

(Selected Examples)

Alonso Arambula	<i>“Brownfield Redevelopment in Muncie”</i>
Amanda Bordeaux	<i>“Cultivating Connections to the Land [research lab, Warren]”</i>
Ryan Blocher	<i>“Old Structures & New Energies [downtown revival, Wabash]”</i>
Rabi Adhikari	<i>“Policy Making/Frame of Mind: Sustainable Development in Practice”</i>
Derek Anger	<i>“City of Fossils: Re-purposing Detroit for Life After Fossil Fuels”</i>
Alonso Arambula	<i>“Brownfield Redevelopment in Muncie”</i>
Brittany Boelter	<i>“Marquette Living Learning Center”</i>
Tafadzwa Bwititi	<i>“Alternative sustainable neighborhood Design: Using urban Implantations”</i>
DJ Charvat	<i>“Sustainable Retrofit of the FT. Wayne YMCA”</i>
Anawat Chirattikalwong	<i>“Redesign of the Middle-Class Bangkok House Sustainability Concepts”</i>
Kristin Cochran	<i>“Changing Gears of Bikeability: A Catalyst for Bicycle-oriented design”</i>
Nitin Desai	<i>“Vernacular Architecture”</i>
Dorothee Dettbarn	<i>“Linking the Design of Facilities, Recycling and Curriculum”</i>
Scott Drake	<i>“The Greening of Old Buildings: Effects of LEED_EB on Historic Preservation”</i>
Sandeep Arora	<i>“Re-Interpreting Environmental Design”</i>
Amal Cavendar	<i>“Indigenous Sustainability”</i>
Gaston Carrio	<i>“++ Tech”</i>
Chenyuan Gu	<i>“Symbiosis: Village + Park”</i>
John Merkly	<i>“Off Grid Houses”</i>
Chamnarn Tirapas	<i>“Housing Prototypes for Bangkok Thailand”</i>
Nathaniel Keihn	<i>“Reinvisioning the Midwestern Courthouse”</i>
Peng, Liu	<i>“Reestablishing Identity of Individual Homes in High-Rise Residential Towers”</i>
Beyers, Lew	<i>“The Principles of Light in the Formulation of Sacred Space: A Museum for Leonardo DaVinci’s Codex”</i>
Yiwei Liu	<i>“‘Atrium Type’ Collective Housing in Suzhou: Applying Bioclimatic Principles in open Building Design”</i>
Ben McHugh	<i>“A Substantially Small Step”</i>
Ruth Moeller	<i>“Mixed-use Architecture for the 24-hour city”</i>
Alyssa Raether	<i>“Natural Systems in Urban Living”</i>
Wes Stabs	<i>“Conceiving Low-energy Dwelling on Frigid Climates”</i>
James Stadick	<i>“Small Structures – Adaptable Uses”</i>
Ashley Stiers	<i>“Rejuice: Reducing Energy Consumption Through Net-Positive Day Care Centers”</i>

Undergraduate Thesis Committee Memberships

(Selected Examples)

Nicholas Martz	<i>“Eco-techure: Investigating Eco-cities...”</i>
Mathew MacDonald	<i>“Biomimetic Architecture: Nature’s Solution to Sustainable Design”</i>
Jake Brellenthin	<i>“Redeveloping Community Through Sustainable Design: Scheidler Apartments”</i>
Brian Evans	<i>“Daylight as a Design Determinant: A Lafayette High School”</i>
Sal Impelletteri:	<i>“Responsible Architecture: Passive Energy Techniques for a Mid-Rise”</i>
Ryan Luthman:	<i>“Sustainable Materials in Architecture”</i>
Ryan Lakes:	<i>“Environmental Monumentality”</i>
John Bals:	<i>“Urban Agriculture: A Hydroponics Facility for Dayton, Ohio”</i>
John Cornelius:	<i>“Green Architecture for an Environmental Education Center”</i>
Julie Danevicz:	<i>“The High Performance High School: Educational Response to Environment”</i>
Jonathan Kras:	<i>“Removing the Boundary Between the Natural and the Man-Made”</i>
Liz Riegle	<i>“Exploring the Recyclability of Architecture”</i>
Chad Hamlin	<i>“Architectural Form Derived from Natural Forces: A Scuba Divers Resort”</i>
Chad Hanley	<i>“A Study of Renewable Energy Resource Impact on Sustainable Design”</i>
Jessica Vargas	<i>“A Walk in the Woods: A Study of Nature, Light and Materials”</i>

David Wagner
William Carr
Daniel Wiechel

“Light and Space”
“From Light to Life: The Development of Architectural Design through Light”
“Using Interstitial Space to Encourage Interaction in the Learning Environment”

Honors College Thesis:

John Campbell	<i>“Finding Value in Climate Change”</i>	Spring 2014
Emily Newton & Jaben Temple	<i>“Is it too easy to be green?”</i>	Spring 2014
Rebecca Ackerman	<i>“Passive Cooling Systems”</i>	Spring 2012