

CAP

Alumni
Symposium

September 19, 2008



CAP

Ball State University
College of Architecture and Planning

Welcome from the Dean

CAP ALUMNI SYMPOSIUM

**September 19,
2008**

College of Architecture &
Planning
Ball State University

In the spring of 2008 we put together an in-house "CAP Faculty Symposium" that provided a formal forum where our faculty could share their scholarship and creative work with their colleagues and students. That day we learned a lot about each other and with that knowledge we are finding new and better ways to address our mission.

Following the success of our CAP Faculty Symposium, it became obvious that we could greatly benefit from a similar event featuring our Alumni. The "CAP Alumni Symposium" seeks the same objectives of the faculty symposium but extends its reach beyond our campus and profits from the wealth of professional experience that our former students can provide.

At the CAP Alumni Symposium we will take time out from our usual schedule in order to learn about the richness of the scholarship and creative work of our Alumni. In many instances, our alumni will be presenting work that has already received a substantial amount of attention from

professional media and has been subject of national and international recognition. This is a great opportunity for their fellow alumni, our faculty, and our current students to hear from them and establish a dialog on subjects of great importance in our disciplines and professions.

In this publication you will find short abstracts of all the presentations of the symposium. You will find that our strength in teaching with particular emphasis on sustainability, historic preservation, emerging media, technology, and community studies is evident in their work. The multidisciplinary depth of their work is obvious.

We hope that as we learn more about each other, our ability to collaborate and build further on such synergies will continue to grow. We hereby invite our alumni and faculty to seek opportunities for collaboration. Together we constitute a community of knowledge that can have a transforming effect on how we teach and practice our professions in the future.

Guillermo Vasquez de Velasco,
Ph.D.
Dean

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Editor: Pat Quinn
Production: Chris Helms



Presentations Schedule

- 8:00 AM Alumni Board Meeting - AB004 Multipurpose Room
- 9:00 AM Breakfast - CAP Gallery
- 9:30 AM Opening Remarks - Provost Terry King
Introduction - Dean Guillermo Vasquez de Velasco
- 10:00 AM **Karl Sonnenberg**, 2008 Distinguished Alumnus Award
Keynote Address: The Craft of Architecture
- 11:00 AM *Diana Brenner*, 2008 Award of Outstanding Achievement
Plenary Address: Design as a Business Strategy
- 11:30 AM *Don Powell*, 2008 Award of Outstanding Achievement
Plenary Address: Technology and Innovative Solutions in Design Practice
- 12:00 Lunch - Atrium

AB100

AB101

- | | |
|--|--|
| <p>1:00 PM <i>Zachary Benedict / Mike McKay</i>
Sustainability = Opportunity</p> | <p><i>Charles Borders</i>
The National Park Service</p> |
| <p>1:30 PM <i>Randall Schumacher</i>
"Why do we need a shingle on the wall that proves our building is green?"</p> | <p><i>Chris Moore</i>
Hybrid Communities</p> |
| <p>2:00 PM <i>Ron Fisher / Steve Schaecher</i>
Sustainable and High Performance Design Initiatives</p> | <p><i>Jeffrey Rawlins</i>
C H A N G E</p> |
| <p>2:30 PM <i>Rod Collier</i>
BSU sets the new standard</p> | <p><i>John Hawkins</i>
Tilt-up Concrete</p> |
| <p>3:00 PM Coffee Break</p> | |
| <p>3:30 PM <i>Zachary Benedict / Mike McKay</i>
[r]evolutions and in[ter]ventions</p> | <p><i>Robert Snyder</i>
Evidence Based Design in a Sustainable World</p> |
| <p>4:00 PM <i>Fiona Aldous</i>
Is the building a disappointment?</p> | <p><i>Tom Kerwin</i>
Chicago 2016</p> |
| <p>4:30 PM <i>Les Smith</i>, 2008 Charles M. Sappenfield Award of Excellence
Plenary Address: Teaching the Art in Design in Practice</p> | |





Karl R. Sonnenberg, AIA, ACHA

Distinguished Alumnus Award – 2008

B.Arch., Ball State University, 1975

- Zimmer Gunsul Frasca Architects, LLP
Partner, 1998-present
Employee, 1987-97;
1978-84
- BSA Design, 1984-87
- Boyd/Sobieray Assoc., 1975-78

During Karl’s career at ZGF, the firm’s healthcare client base has grown from serving a single local client into an international practice. Under his leadership, ZGF’s healthcare staff has increased over twenty-fold, making it the fifth largest healthcare practice in the United States.

Projects for which Karl has assumed primary responsibility have received over 40 planning and design awards and have been published extensively.

Karl’s urban planning accomplishments include the development of crucial components implemented in Portland’s MAX Light Rail system, one of the country’s first and most successful rail transit systems.

**The Craft of Architecture – Building Well/
Building Stylistically Ambitious – or Both**

Zimmer Gunsul Frasca Architects has built an international practice with strong regional roots. Each of ZGF’s buildings responds to its program, climate and place and are therefore conspicuous in their diverse solutions. The thread that ties them together is the ambition to “build well.” Architecture can also heal a building’s surroundings, make crucial connections to urban fabrics, and further enhance the character of a campus. With these responsibilities, what is the role of style? When can style contribute to a building that can endure the test of time? Karl Sonnenberg will draw upon principles from a number of ZGF projects to illustrate how their practice has sought to build enduring buildings, some seeking to be stylistically ambitious, in a variety of settings, and building types. The goal of the presentation is to illustrate how architects can balance the desire for building well with the pressure to respond to the current style.

Since leaving Ball State University in 1975, Karl Sonnenberg has spent the majority of his career at Zimmer Gunsul Frasca Architects in Portland, Oregon. Since that time, the firm has grown to include other offices in Seattle, Los Angeles, Washington, DC and New York City. ZGF’s work has been consistently recognized for design excellence, most notably as the recipient of the national Architecture Firm Award from the American Institute of Architects, for its “high standards, humanistic concerns and the unique ability to capture the spirit of a place and the aspirations of its inhabitants.”



The Craft of Architecture



Design as a Business Strategy

Design can directly impact the bottom line of any business. In today's complex business world, the majority of bottom-line expenses are labor-related costs, a smaller portion is devoted to operational costs and the smallest costs are capital building costs. Paying attention to the details of those smaller line items on the financial statement can maximize dollars spent elsewhere.

Projects will be cited across multiple industry types where good design has led to documented increases in worker productivity, decreased real estate costs and improved operational expenses.

Good design is the process that allows the intelligent, creative deployment of facilities to bring tangible benefit to organizations. Good design can save space, create greater utilization of real estate assets, and promote greater productivity.

Design impacts productivity through good lighting, effective workstation design, appropriate support spaces, shared functions, technology and more. In worker surveys, respondents claim that a well-designed workplace could yield an amazing 21% increase in productivity. The physical environment can define purpose and mission in ways that words alone cannot. Organizational awareness and actualization create more loyal, involved, motivated and productive employees. Designers, human resources experts and business leaders have jointly created current cost-saving trends in the workplace. Ideas such as benchmarking allow clients to align their new facilities with standard accepted practice. Hoteling and tele-work save space, but companies realize that communal, training, and meeting spaces are more important than ever. Smart employers know that communication and interaction are the creative life force of organizations.

Informed facility professionals can, with creative designers and architects, dramatically improve the bottom line of their companies by thinking beyond the usual cost-cutting measures that characterize the implementation process. Cost savings in productivity of workers and effectiveness, flexibility and efficiency can far outweigh the initial investments in well -designed spaces.

Design is a strategy, not a commodity. Business leaders should consider the workplace environment not as overhead cost, but rather as a strategic tool to realize business goals, drive innovation and support employees.

Diana M.H. Brenner, FAIA

B.Arch., Ball State University, 1995
B.S. Architecture, The Ohio State University, 1979

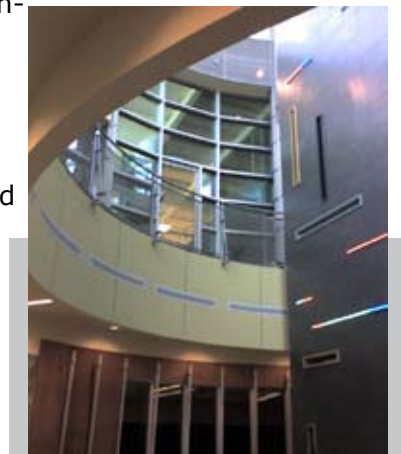
- Brenner Design, Indianapolis, Owner, 1992-present
- Kasler & Associates, VP & Director of Interior Design, 1987
- Micki & Daley Associates, Inc., Vice President, Colorado Springs, 1984

Awards:

- Fellow, American Institute of Architects, 2008
- Indiana Commission for Women Torchbearer Award, 2008
- Starkey Entrepreneurial Award for Women, 2008

Service:

- Indiana Fire Prevention & Building Services Commission, 2006-09
- Indianapolis Historic Preservation Commission, 2008
- AIA National Interiors Committee, 2002-07
- College of Architecture and Planning, BSU, Alumni Governing Board, 2002-05
- Co-founder of Juliet Peddle Award given by the Indiana Architecture Foundation, 1999



Design as a Business Strategy



Technology and Innovative Solutions in Design Practice

Donald R. Powell, Jr., AIA

Don Powell, founding partner of BOKA Powell Architects, has served as a design principal since 1976. Exploration and innovation are core values of the firm which has resulted in over 20 local and state-wide design awards. Recently BOKA Powell provided design and executive architect services for one of the highest rated, LEED Pre-certified, speculative high rise office buildings in America. One Victory Park Tower is a 450,000 SF, 23-story office tower that utilizes under floor air distribution and "plug and play" connectivity for voice, power and data networks. Working with developer Hines Interests and Hillwood development, the project surpassed a critical threshold of public acceptance by achieving 98% pre-leasing before foundation completion. Over 25 new sustainable design attributes may be found in One Victory Park.

B.Arch., Ball State University, 1976
B.S. Environmental Design, Ball State University, 1975
Harvard Graduate School of Design
Executive Graduate Courses

BOKA Powell, Dallas
Principal

- American Institute of Architects – Member
 - Texas Society of Architects – Member
 - National Council of Architectural Registration Boards
 - U.S. Green Building Council – 2005 – present

Philanthropy & Community:

- Make A Wish Foundation of North Texas
Chairman, Board of Directors 2007-08
 - Wish Granter Board Member, 2002-present
- Governance Committee, 2002-present
 - Parker Planning and Zoning Member – 6 years
Board – 4 years
 - Parker Board of Adjustments Member – 6 years
Board – 4 years
- Urban Land Institute Office Development Council, 2004 –present

In addition to One victory Park, a handful of selected projects will be presented which illustrate the firm’s creative solutions to unique program requirements for projects such as Thompson Consumer Electronics Headquarters and 300 North Meridian in Indianapolis, NEC America’s Headquarters, Granite Park mixed use development, Dallas Mandarin Oriental vertical mixed-use development, 414 Light Street in Baltimore, Cotai Shangri-La and St Regis hotels in Macau, and the Harwood International Phase XII tower.

Lastly, a brief overview of the “Wishing Place” in Irving, Texas, the home of the Make-A-Wish Foundation® of North Texas will be presented. The Dream Tower is an integral part of wish imagination and fulfillment. A place unlike any other, it blurs the line between dreams and reality.



Harwood International Office + Residential Buildings, Dallas, Texas



Chicago 2016

Thomas P. Kerwin, FAIA

M.B.A., Northwestern University Kellogg School of Management,

B.Arch., Ball State University, 1986
B.S. Environmental Design, 1986

Skidmore, Owings & Merrill LLP, Chicago Office, 1986-present
Managing Partner
Overseeing the firms involvement in the Chicago 2016, Olympic bid.

Working on several major developments in China, including the Nanjing Greenland Financial Center in Nanjing, White Magnolia Plaza in Shanghai and Pearl River Tower, a highly sustainable project in Guangzhou.

Service:

- Past President, Chicago Chapter of the AIA
- Chicago's China Sisters Cities Program, Member

Skidmore, Owings & Merrill LLP (SOM), under the direction of the City of Chicago and Chicago 2016, have been working to develop a plan for Chicago's bid to host the 2016 Olympic Games. Coordinating with dozens of architects, planners, engineers, and construction firms, SOM has been a key contributor to the planning effort that resulted in Chicago being selected to represent the United States in the international phase of the bid. As the host city, Chicago would be the focus of international attention as it welcomes approximately 16,000 athletes from over 200 countries, and up to 8 million spectators—a complex undertaking in terms of logistics, operations and planning. The plan carefully balances compactness with integration into the city by placing most venues within an easy walk of transit and close to both downtown Chicago and the lakefront. From sustainable planning, to integration of technology, to the design of both temporary and permanent structures, architects have played a critical leadership role since the early stages of the bid process. Tom Kerwin will discuss the Olympic planning process and will share his thoughts about the potential legacy of a successful bid.



Chicago 2016 Site Plan



Charles N. Borders II, RLA, PMP

BLA, Ball State University, 1989

- National Park Service Project Manager, Denver Service Center, 2004-present
- Landscape Architect, National Capital Region, 1995-2004
- Landscape Architect, Denver Service Center Field Office, 1993-95

Recent Projects

- Prince William Forest Park, Environmental Assessment and concept planning for a potential new entrance road and contact station
- George Washington Memorial Parkway, New Columbia Island Bridge Humpback Bridge Reconstruction
- Anacostia Drive Rehab and 2.5 mile Trail
- Mt. Vernon Circle trail extension and parking areas
- Lincoln Memorial projects

Awards

- NPS Outstanding Design Performance Award, 1996 and 1997
- Ball State University, Outstanding Young Alumni 1994

The National Park Service- Role of a Landscape Architect and the Construction of the Lincoln Memorial East Plaza

The National Park Service, founded in 1916, strives to educate the visitors on the majestic and historic places managed throughout the country.

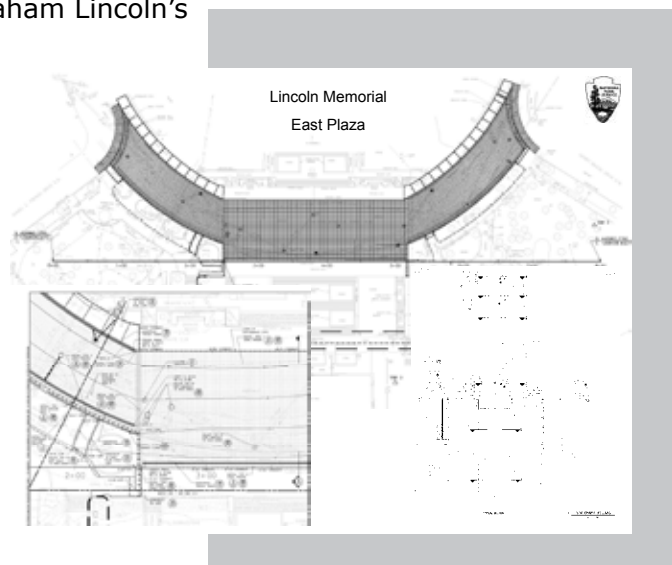
Those places are managed by a team of 25,000 + employees who care for your National Treasures. The role of the Landscape Architect in the National Park Service is as diverse as the profession itself. The unique places where we work are just as divergent. There are 391 Park units including national parks, monuments, battlefields, military parks, historical parks, historic sites, lakeshores, seashores, recreation areas, scenic rivers and trails, and the White House. Here in Indiana; Lincoln's Boyhood Home, George Rogers Clark and Indiana Dunes.

The National Capital Region based in Washington, D.C has the magnificent role of preserving the heritage of the four Presidential Memorials on the National Mall. These are the FDR Memorial, Washington Monument, Jefferson Memorial and the Lincoln Memorial.

With the dramatic impacts of Sept 11, 2001, the NPS, among other agencies have found the need to investigate the manner in which national and international visitor experiences these Memorials while providing the necessary security of our nations icons. Beginning in the fall of 2001, the National Park Service began the design process to evaluate the modern use the grounds and plaza of the Lincoln Memorial and the imposed security.

The dramatic design of this reconstruction of the nearly 40 acre site, the 6 connecting streets and the approx 1100 foot circular drive took 3 years for phase I to begin. The design of phase II continued, as this held a much more prominent place between the Reflecting Pool and the steps the Lincoln Memorial. The East Plaza was the final piece to the reconstruction as we approached the 200th Bicentennial Anniversary of Abraham Lincoln's birth in 1809 and the celebration at the Lincoln Memorial in February 2009.

The Design team received final approval of the design package in December 2007 and began construction on April 14, 2008.





R. Randall Schumacher, AIA, LEED A.P.

Principal

CSO Architects, Inc.

B.Arch., Ball State University, 1986

rschumacher@csoinc.net

“Why do we need a shingle on the wall that proves our building is green?”

A Case Study of 2 Projects in the DePauw University Nature Park

There is currently a good deal of debate going on within our profession about the pros and cons of obtaining LEED Certification (or certification from any other green rating system), versus simply designing projects with sustainable design principles. The question is, why get certified? At the outset of a recent project, a client asked me pointedly, “Why do we need a shingle on the wall that proves our building is green?”

This presentation shall examine the design process and outcomes of 2 sustainably designed projects. One project pursued LEED Certification, the other did not. Both projects were designed for the same client, they are both built in the same general locale and the construction of both was overseen by the same architect (this author).

The following topics shall be discussed:

- The tangible implications of each approach to the final design and construction outcomes
- The relative costs of sustainable design versus obtaining LEED Certification
- The public perception of sustainable projects versus LEED projects
- The utility of LEED as a green “metric,” and “point chasing”
- Indiana’s somewhat ambiguous Executive Order #08-14, which requires that all new state buildings be designed to achieve “maximum energy efficiency to the extent this can be achieved on a cost effective basis”

The Manning Environmental Field Station

The first project to be studied, the Manning Environmental Field Station, was designed with sustainable principles but did not pursue any form of green certification. The project was subsequently recognized by the AIA with an Award of Honor, and was cited by the jury for its sustainable design.



The Manning Environmental Field Station

The second project to be studied, The Janet Prindle Institute for Ethics, pursued basic LEED certification. This project became the first new building in Indiana to achieve Gold level LEED Certification.



The Janet Prindle Institute for Ethics



Sustainability = Opportunity

lessons learned from our role in the design & construction of Indiana's 1st LEED Platinum Certified Green Project

If architecture continues to perpetuate the current paradigm of practice, then we are part of the problem and not part of the solution.

Sustainable design may not be the solution, but it is changing the paradigm.

The changing paradigm is making us better architects, landscape architects, and planners, by making us accountable for the real cost of our work.

Sometimes this means we need to get out of the way, in order for all of the necessary voices and concerns to be heard and a part of the solution.

Our work must saturate itself with a willingness to educate and empower others.

Our contribution must be a shared experience – a collaborative understanding.

Our process must be grounded in an integrative and cyclical journey.

When we define our role as such, most especially with a project that embraces the principles of sustainable design, then truly, sustainability equals opportunity.

Zachary Benedict, AAIA, LEED AP (top)

M.Arch., Ball State University, 2005
B.Arch., Ball State University, 2004
B.S. Environmental Design, Ball State University, 2004

Morrison Kattman Menze, Inc., Associate

Outreach:

- American Institute of Architects, Fort Wayne Chapter Board of Directors
- ARCH, Inc. – Board of Directors
- Friends of the Parks of Allen County Board of Directors
- Northeast Indiana Green Building Coalition Board of Directors
- U.S. Green Building Council – Member
- Young Leaders of Northeast Indiana Downtown Development Committee

Mike McKay, AIA, LEED AP (bottom)

B.Arch., Ball State University, 1987
B.S. Environmental Design, Ball State University, 1987

Morrison Kattman Menze, Inc. Partner

Outreach:

- American Institute of Architects, Indiana Chapter Past President
- American Institute of Architects, Fort Wayne Chapter President-Elect
- ARCH, Inc. Past Vice President
- Ball State Alumni Association, NE Indiana Past President
- League for the Blind and Disabled, Inc. Board Chair
- Rotary International, The Rotary Club of Fort Wayne Past President
- U.S. Green Building Council – Member



Sustainability = Opportunity



Sustainable and High Performance Design Initiatives

As a full service architectural/engineering design and planning firm, Schmidt Associates incorporates elements of sustainable and high performance design into every project. This is achieved through integrated practices and processes. We believe that sustainable and high performance design is not an optional or "add-on" feature; rather, it is an inherent quality of the design.

This presentation will focus on three aspects Schmidt Associates employs to deliver integrated sustainable and high performance design. These are:

Embodying a firm culture that "walks the talk" of sustainable practice
Acquiring the expertise to lead and influence the implementation of sustainable design

Incorporating the processes and tools that enable sustainable and high performance design on each project

As a Principal and Director of Operations for Schmidt Associates, Ron Fisher provides a strategic perspective on the aspects of firm culture, expertise, and developing the process and tools. Steve Schaecher, an Associate and the Architectural Quality Manager, will present specific initiatives that "walk the talk" of sustainable practice. These include:

**Ronald W. Fisher, AIA,
LEED AP
(top)**

Schmidt Associates
Principal / Director of
Operations

B.Arch., Ball State
University, 1979

B.S. Environmental
Design, Ball State
University, 1979

- American Institute of Architects, Member
- Society for College & University Planning, Member

Service:

- Franklin Township Education Foundation, President

- Sertoma, Golden Sunrise Club, Vice-President
- Board of General Contractors, City of Indianapolis

- Indian Creek Christian Church, Building Design Team
- CAP, Alumni Society Governing Board, 1995-2001

Awards:

Award of Outstanding Achievement, CAP, 2005

**Steven L. Schaecher, AIA,
LEED AP
(bottom)**

Schmidt Associates
Associate /
Architectural Quality
Manager

B.Arch., Ball State
University, 1990

B.S. Environmental
Design, Ball State
University, 1990

- American Institute of Architects, Member
- AIA Indiana, Member

- AIA Indianapolis, Member

- Committee on the Environment (COTE) Co-Chair, 2007

Publications:

- Cartoonist for the AIArchitect, Business Leader Magazine and Keep Indianapolis Beautiful
- Outhouses by Famous Architects
- Mobile Homes by Famous Architects
- Phone Booths by Famous Architects
- 4000 Years of Architecture in 20 Minutes

- The installation of a photo-voltaic canopy at the firm's office
- The installation of a test plot green roof at the firm's office
- Programs and activities that engage the firm's staff in sustainable practices
- A training program that has enabled 27 staff members to become LEED AP

To illustrate aspects of a sustainable and high performance design, a case study of a project currently in the process of obtaining LEED (Silver or Gold) Certification will be presented.





CHANGE

Jeffery M. Rawlins

Owner
Architectural Artisans,
Louisville, KY, 1993

M.Arch., Cranbrook
Academy of Art, 2003
B.Arch, Ball State
University, 1990
B.S., Environmental
Design, Ball State
University, 1990

- Chair, Kentucky Governor's School for the Arts – Architecture program
- Member, Louisville Landmarks Commission
- Founder, "The Yard", an experimental arts venue for building, arts, and culture.

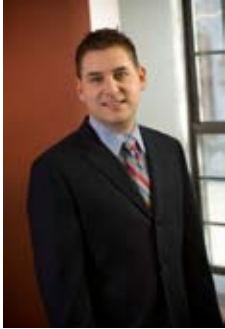
Visiting critic:
University of Buffalo
University of Cincinnati
University of Kentucky

Unknowingly, my architectural education really began as a child. On a farm one lives and structures one's life around daylight, weather conditions, and season of the year. There are tools, resources, and rules of thumb. The occupation is based on stewardship, nurturing growth, and respecting the environment. What could be more fundamental to architecture? My undergraduate education introduced architecture to me as problem solving: providing methodical process and instilling aesthetic ideals for a proposed architect within a mid-western post-modern culture. It had little to do with my childhood, so as I put the current state and practice of architecture under the microscope of my childhood, things have become clear.

Architecture lives along with us in the continuum of time. It is born, it dies, it breathes, moves, changes, communicates, opens, expands, collects, radiates... It is not simply a permanent inanimate object placed in the landscape. Buildings have a variety of functions many of which change or provoke change at different intervals: a light switch is turned on, a window is opened, a roof begins to leak, a floorboard cups, an occupant changes... With the understanding that our environments and the things in them are in constant change, my interest is in exploring permanence. The work is a collection of buildings and objects that move, flex, stretch, or adapt to change in some manner, allowing multiple lives, conserving resources, and most importantly promoting a deeper appreciation and awareness of one's place in time and space.



CHANGE



BSU sets the new standard

The new David Letterman Communication and Media Building marked the first project at Ball State University to pursue LEED certification.

Embracing the practice of sustainability meant more than just going beyond the standard equipment and technology applications for the university; it allowed for a new dynamic facility that has set the new standard for the next generation of academic buildings. See how sustainability criteria can be applied in an academic environment.

Rod Collier, AIA

B.Arch., Ball State University, 1996

MSKTD, Indianapolis, 2005 present
MSKTD, Fort Wayne, 1996-2005

Join Rod Collier, the design architect and project manager, for a brief presentation and discussion on the challenges and successes of the David Letterman Communication and Media Building. The discussion will be immediately followed by an in-depth tour of this exciting new building on the Ball State Campus.

Projects:
David Letterman Communication & Media Building, Ball State University
Design
Architecture & Project Manager



Ball State's David Letterman Communication and Media Building



Hybrid Communities

Hybrid design is dominating the auto industry. The trend began with a targeted campaign addressing the needs of buyers who were interested in a fuel-efficient car that reduced their energy consumption. The Toyota Prius has become an icon for hybrid design and a symbol of energy efficiency, standing out among all its competitors.

By relating hybrid design to community design, we are able to offer places that incorporate the philosophy of hybrid design into the fabric of a community. This approach to community design is not solely a 'green' approach, but a philosophy to seek the best solution for a specific location. Hybrid community design considers not the trendy solutions, but tailored solutions based on buyer and context. This results in a community that is familiar and memorable, as well as distinguished in the competitive marketplace.

Before the philosophy of hybrid community design can be applied, we must first understand the types of communities that come together to create the hybrid design. Similar to a Prius combining a gasoline engine with an electric motor, hybrid community design applies the critical design elements from both traditional communities and open-space communities that have made each a successful solution in the past.

Derived from a combination of these successful design elements, five distinct guidelines to creating a hybrid community will be presented. These five guidelines include the following: Understanding your market, responding to the site context, establishing a unique neighborhood framework, investing in sustainable systems, and creating memorable architecture. Further demonstration will show how each guideline is uniquely applied to a hybrid community called Riley Park, currently being developed in Bend, OR. The application of these guidelines will reinforce the hybrid community design philosophy and realize that hybrid design is reaching realms beyond the auto industry.

Chris Moore

BLA, Ball State University, 1994

DJT, 1998-present
Boulder, CO
Principal

Chris has been instrumental in the growth of DTJ's national and international design practice. He specializes in concept visioning, master planning and site specific planning with a unique ability to blend architecture and landscape architecture into a complete, livable environment.

National Association of Home Builders Design Committee, member



Hybrid Communities



[r]evolutions and in[ter]ventions defining a social role through iconoclastic methods

Our work is not about aesthetic gestures or superficial responses.
Our contribution is not to our own agendas.
Our process is not reactive or superlative.

We are no one special. That's the point.

Our work saturates itself with a willingness to educate and empower others.
Our contribution is a shared experience – a collaborative understanding.
Our process is grounded in an integrative and cyclical journey.



We do not find ourselves existing within a culture of answers.
We find our identity realized in a practice of questions.

In a summation of our effort(s), this presentation is not about built work –
it is a discussion of inquiries, observations, and interventions... our process.

As social discourse changes and as the architect's role shifts, this presentation discusses how our practice is proactively transforming our efforts to respond to communal privatization, generational differentiation, and emotional intelligence.

Inspired by soapboxes, parachutes, and marshmallows,
this discussion is based in a belief that architecture can be a medium for social [r]evolution and communal in[ter]vention.

**Zachary
Benedict,
Daydreamer**
(top)
BArch (2004), MArch
(2005)

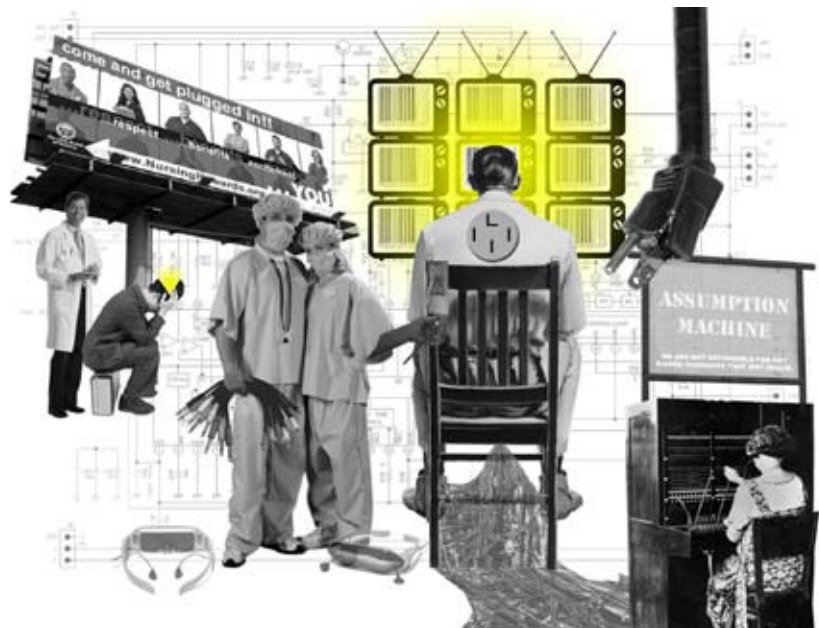
We define our role through the empowerment of others.
We classify success within the realm of rebellion.
We catalog our identity as both servant leader and poet.

**Michael
McKay, Pot-
Stirrer**

BArch (1987)

We encourage the use of daydreams.
We promote the existence of one's imagination.
We empower others to do the same.

We are no one special... that's the point.



[r]evolutions and in[ter]ventions



Evidence Based Design in a Sustainable World

The benefits of healthcare and higher education facilities “going green” are abundant. Institutions can significantly reduce costs, enhance their reputations to patients and local communities, positively impact the environment, and feel better about the direction of the organization by incorporating sustainable practices.

Robert W. Snyder, AIA

B.Arch., Ball State University, 1979

BSA LifeStructures, Principal 1987 – present

Service

- American Institute of Architects, Indiana President, 2005
- American Institute of Architects, Indianapolis President
 - Indiana Society of Architects
 - Visiting Juror, Ball State University, CAP

While traditional buildings in the U.S. account for about 30 percent of greenhouse gas emissions, green buildings account for just a small fraction of that number. Facility owners, designers and other key decision makers are responding to the opportunity to make a difference for today and future generations. Amid falling prices for green construction and strong demand for environmentally friendly places to work and live building sustainable facilities is going mainstream.

As innovators in healthcare and higher education design, it is our moral responsibility to incorporate sustainable strategies into our clients’ projects. BSA LifeStructures’ mission is “creating inspired solutions that improve lives.” Incorporating sustainability into our design solutions is critical to accomplishing our mission, and it’s something we’ve been doing since the firm’s founding in 1975.

As a full-service design firm, BSA LifeStructures emphasizes a collaborative design approach to deliver a project that wholly encompasses sustainability. From planning to implementation, BSA LifeStructures integrates a multi-disciplinary approach that brings all design parties to the projects at the early stages to address client goals in sustainability.



Evidence Based Design



Is the building a disappointment?

Fiona Aldous, AIA

MArch, Ball State University, 1994
B.Arch., Deakin University, Melbourne, Australia, 1992
B.A. in Architecture, Deakin University, 1990

- Wiss, Janney, Elstner Associates, Inc., 2001-present
- Turner Construction Company
 - Department of Architecture, Ball State University, taught design-build

Affiliations:

- Building Enclosure Council (BEC) co-chair, Washington DC Chapter
 - National Council of Architectural Registration Boards (NCARB)

The mission of many contemporary buildings is to achieve an integrated design of systems. This goal reinforces the critical role of the building enclosure in the overall performance and operation of a structure. Chronically "sick" or otherwise failing buildings, diminishing natural resources, a growing concern regarding indoor air quality, and increasing energy costs are but a few of the issues that also send a clear mandate for an increase in the quality of design detailing and construction of the building enclosure. In rising to meet this challenge, the design of the "exterior skin" (comprised of the below grade, façade and roof portions of the building) has become increasingly complex. Complicated by a myriad of materials and assemblies, various functions, climates and performance requirements, is it not surprising that on occasion, the building is disappointing.

Without question, numerous knowledgeable professionals design and construct buildings. Yet, on occasion, architects, developers and contractors will seek advice from building enclosure specialists. Often experienced in the resolution of problems in existing structures, this knowledge is readily translated and adapted to achieve the objectives of high performance design details and construction.

The presentation shall review the role of a building enclosure consultant using case studies. Projects in the process of building enclosure commissioning and investigation/repair of the built structures shall be examined.



Is it?



Tilt-up Concrete

Tilt-up concrete is a widely used construction method in many parts of the United States and in other countries. Over the last twenty years, its use has also increases in Indiana, especially in the southern portion of the state, and in neighboring Kentucky. In this presentation, we will survey the use of tilt-wall in our region, review the differences between tilt-wall, architectural precast and structural precast concrete, and learn the basics of designing projects with tilt-up. The presentation will cover casting methods, panel size, thickness and weight rules of thumb, lifting methods, foundation details, sandwich panels, and panel finishes. We will also look at some advanced tilt-up details including curves, spandrels, buttresses, cantilevers and suspended panels.

John A. Hawkins, AIA

B.Arch., Ball State University, 1982

B.S. Environmental Design, Ball State, 1982

- KovertHawkins Architects, Principal, Founding Partner 1985-present
- Humana, Inc. Sr. Project Architect, 1986-88
- Bickel-Gibson Architects, Graduate Architect, 1982-85

Awards:

- National Honor Award, Tilt-Up Concrete Association For Amatrol, 2005
- For Louisville Metro Commerce Center, 2005
- For Greif Brothers, Inc., 2001
- For Paoli, Inc., 1996
- Architectural Firm Award of Lifetime Achievement, Tilt-Up Construction Association, 2005
 - Award of Honor, Kentuckiana ABC, 2002
 - Award of Merit, Kentuckiana ABC, 2000

Service:

- Commissioner, Indiana Fire Prevention & Building Safety Commission, Division of Homeland Security, 2005-present
- Indiana Architectural Foundation, Board of Directors, 1998-2004
 - Washington County YMCA Founding Board Member
- City of Jeffersonville Historic District, Past President





Teaching the Art in Design in Practice

Les Smith, ASLA, RA

2008 Charles M. Sappenfield Award of Excellence

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B.A., Ball State University, 1972

- Ball State University, Professor of Landscape Architecture, 1982-present
- Land Counsel, Principal, Muncie, Indiana - 1986-present
 - Land/Research Associates, Inc., Muncie, Indiana -1982-86
- Rundell & Ernstberger and Associates, Muncie, Indiana -1981-85
- Woodfern Landscape Company, Owner, 1974-86
- American Society of Landscape Architects
- Sigma Lambda Alpha - Honorary Fraternity of Landscape Architects
 - Soil and Water Conservation Society of America
 - Indiana Sustainable Agriculture Association
- United States Combined Training Association

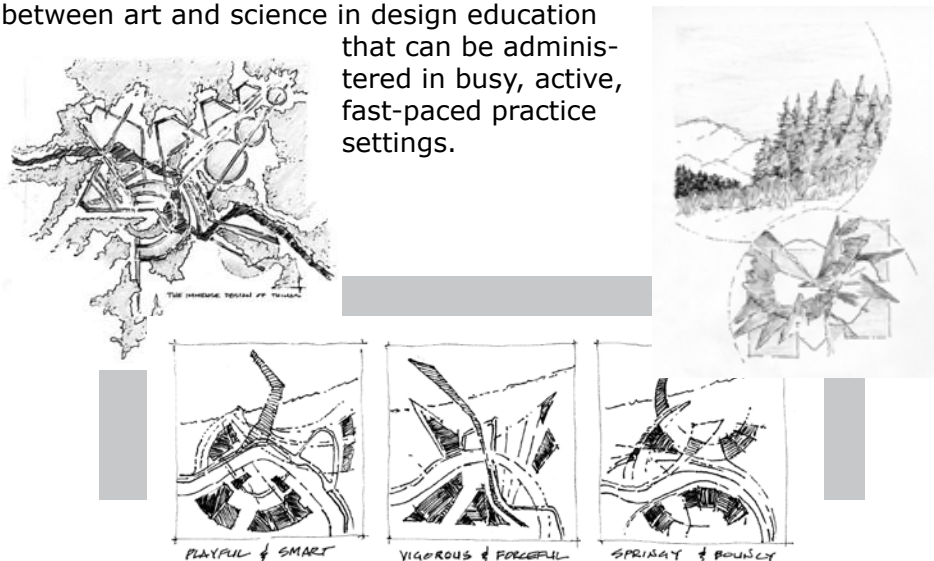
Many definitions for architecture, landscape architecture, and urban planning incorporate the phrase '.....involves the art and science of.....' (Newton 1971). This presentation explores our faithfulness to this, our trademark 'partnership' of art and science. The prowess guaranteed by infusing our design work with the 'spirit and gift of art' (Henri 1923) must remain as our methodological constitution. Purposeful symbiosis, igniting the marriage of art and science in problem solving, has consistently resulted in lasting, insightful, and serviceable design outcomes - packaged in discovery, delight, and inspiration (Vitruvius, by Morgan 1914). The knit of 'art' in the 'science' clothes our projects in lasting beauty, fuels them with rich expression and meaning, shapes them into innovative resolution, and stages them with enduring vitality - fresh to the core (de Saumarez 1964).

Deliberate engagement of 'art' as a thinking and design discovery process, in concert with objective, functional, and science responsive determinants, produces richer outcomes uniquely suited to the problem, free of 'template-suppressing' project resolution.

During a recent appointment as faculty-in-residence in a multi-disciplinary and multi-office design and planning firm, the author developed and administered workshop modules and experimental quick-study design discovery procedures endeavoring to elevate the 'art' contributions in real-client billable projects.

The author will share visual examples of these quick and generative 'art-boost' exercises and their contribution to design outcomes. The presentation will also make the case for our CAP alumni to define themselves as vital and needed 'teachers' within practice settings.

The presentation will reinforce the benefits of and demonstrate curricular techniques for maintaining a healthy and vital marriage between art and science in design education that can be administered in busy, active, fast-paced practice settings.



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CAP Facilities

Innovative facilities and technology support the diverse learning, research, and service activities that take place daily in Ball State University's College of Architecture and Planning.

CAP's primary physical resource is the Architecture Building, located in the heart of the north quadrangle on campus. This unique facility is the academic home for the college's students and faculty, and it never closes while the university is in session.

In addition to classrooms and conference rooms, the building includes an auditorium, an exhibit gallery, a variety of labs and libraries, and a wireless network. Twenty-five studios provide students with their own personal work space for design and graphics courses. A five-level, glass-walled atrium offers settings for exhibits, special events, and informal meetings in a comfortable lounge atmosphere.

CAP also maintains satellite facilities in downtown Muncie and Indianapolis for urban design studio work and off-campus educational programs.



In our building (AB)



In our classrooms



In our studios



In our woodshop



In our laboratory