As we celebrate our 50th Anniversary, it is my pleasure to welcome you to our 2015 ALL CAP SYMPOSIUM. We are a community of learners and it is only fitting that at the core of our celebration we come together to share our memories, our knowledge, our skills, and our vision of the future.

This year we bring together our traditional alumni symposium and our faculty/student symposium into a single ALL CAP SYMPOSIUM that calls everyone in the CAP Family to join hands and minds around our illustrious history and bright future. We have put aside two spring days in order to celebrate our intellectual richness. As in previous years we do so with renewed commitment to studio-based education, ubiquitous learning, multidisciplinary integration, and perpetual learning. We look forward to making evident our strength and attentiveness to Design with a capital “D”, emerging technologies, sustainability, and social justice.

Embedded in the two-day program you will find workshops, panel discussions, paper-style presentations, short CAPTalks, several happenings, and even a field trip. Our 1998 and 1st Distinguished Alumni Award recipient Craig Hartman will be delivering our keynote plenary session on the morning of April 9th. That same afternoon, our 2014 Distinguished Alumni Award recipient, Thomas Baker will do the same, also in plenary session. The next day, on the morning of April 10th, our 2014 Charles M. Sappenfield Award of Excellence recipient, Andrea Swartz will deliver a plenary session. Also our 2014 Outstanding Alumni Award recipients, Rebecca Leonard, Steven Spears, Amy Williams, and Dan Overbey, will be delivering presentations in the early afternoon hours both days.

Among the several “happenings” that will take place during the symposium. Please make sure you join us for our 50th Anniversary Photo that will be taken immediately after lunch on April 9th. It will be a memorable event. At the closing of April 9th we will hold our alumni and donor recognition dinner. Please join us in saying CONGRATULATIONS and THANK YOU to those who actively contribute to the enhancement of the learning experience of our students. Last but not least, on the evening of April 10th we will celebrate The CAP Beaux Arts Ball at the Minnetrista Cultural Center in Muncie. I look forward to seeing you all wearing your favorite design.

As I always say, this is a great time to be at CAP!

Guillermo Vasquez de Velasco, Ph.D.
Dean
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The **Distinguished Alumnus Award** is given to selected alumni with 15 years or more of professional experience who have achieved positions of influence and national or international reputations in their fields.

**Awards of Outstanding Achievement** are made to selected alumni who are making outstanding contributions to their profession and to society.

A formal call for nominations occurs at the beginning of each calendar year via email to alumni of the College of Architecture and Planning.

To nominate a fellow alumnus, provide us with their name and a few words of information about the candidate.

Please update your contact information to receive action emails by contacting Lori Pence, Assistant to the Dean, at lpence@bsu.edu or (765) 285-5879.

### Distinguished Alumnus Award

- 1998 Craig Hartman, BArch 73
- 1999 Julia Monk, BArch 79
- 1999 Bruce Race, BArch 80
- 2000 Linda Nelson Keane, BArch 78
- 2001 Michael J. Holtz, BArch 71
- 2001 Kerry Harding, BArch 71
- 2002 Dennis Gordon, URS 75
- 2002 Craig Mullins, BArch 71
- 2003 Carol J. H. Yetken, B.S. 78
- 2004 Greg Jacoby, BArch 82
- 2005 Roger Neuenschwander, BArch 73
- 2006 Yung Ho Chang, B.S. 83
- 2007 Doug Reddington, BArch 78
- 2008 Karl Sonnenberg, BArch 74
- 2010 Gary L. Vance, BArch 77
- 2011 Brad Barker, BArch 81
- 2012 Robert Miller, BArch 88
- 2013 Timothy Liddy, BLA 81
- 2013 Paul Strohm, BArch 80
- 2014 Thomas Baker, BArch 74

### Award of Outstanding Achievement

- 1998 Mark Chidister, B.S. 77
- 1998 Sheila Snider, BArch 74
- 1999 Rod Underwood, BArch 71
- 1999 Eric Ernstberger, BArch 82
- 2000 Alicia Goehringer, MURP 92
- 2000 Kurt Ofer, BArch 83
- 2000 Ron Taylor, BLA 83
- 2001 Wayne Estopinal, BArch 79
- 2001 Teresa Jeter-Newburn, MURP 95
- 2001 Roger Neuenschwander, BArch 73
- 2002 Paul Harding, BArch 75
- 2002 Jeff Kingsbury, BUPD 91
- 2002 Ronald Menze, BArch 79
- 2003 Nolan Bingham, BArch 76
- 2003 Thomas Doolittle, BLA 83
- 2003 Kevin Russell, BArch 97
- 2003 Jennifer Seal, BArch 94
- 2004 Mark Fisher, BArch 83
- 2004 Allan McGuire, BArch 83
- 2004 Todd Rottmann, BArch 92
- 2005 Deborah Burkhart, BArch 80
- 2005 Ronald Fisher, BArch 79
- 2005 Thomas Kerwin, BArch 86
- 2005 Gregory Torchio, BArch 80
- 2006 William M. Brown, BArch 93
- 2006 Debra S. Kunce, BArch 93
- 2006 Leslie H. Smith, MLA 85
- 2007 Alan Reed, BArch 86
- 2007 Jenelle Strayer Smagala, BArch 88
- 2008 Diana Brenner, BArch 92
- 2008 Donald Powell, Jr., BArch 76
- 2009 John Hawkins, BArch 82
- 2009 Rachel Minnery, BArch 98
- 2009 Mark Williams, BArch 89
- 2010 Craig D. Farnsworth, BLA 86
- 2010 Larry A. Roan, BLA 77
- 2010 Philip T. Stinson, BArch 91
- 2011 Jeff Bone, BArch 87
- 2011 Cynthia Bowen, BUPD 96
- 2011 Richard Fetz, BArch 79
- 2011 Richard Moake, BArch 72
- 2012 Zach Benedict, MArch 05
- 2012 Glenn Harper, MSHP 87
- 2012 Sara Valavanis, BArch 75
- 2013 Isaac Bracher, BArch 04
- 2013 Rodney Collier, BArch 96
- 2013 Kevin Osburn, BLA 90
- 2013 Bonnie Roy, BLA 03
- 2014 Rebecca Leonard, MURP 97
- 2014 Daniel Overby, BArch 05
- 2014 Steven Spears, BLA 99
- 2014 Amy Williams, BUPD 04, MURP 05

### College of Architecture and Planning Alumni Society Board

The goal of the CAP Alumni Board is to support the programs of the College and to stimulate interest in the educational, professional, and social activities of the College’s alumni. The Board of Directors hold meetings four times a year and can teleconference with alumni from out of state who would like to participate.

**CAP Alumni who are interested in serving on the Board of Directors should contact Larry Roan, President at lroan@bdmd.com.**

**Larry Roan — President**

*BLA ’77*

**Rebecca Leonard — Vice President**

*MURP ’97*

**Joshua Desmond**

*BUPD ’98*

**Craig Farnsworth**

*BLA ’86*

**Heather Graninger**

*BArch ’99*

**J.P. Hall**

*MSHP ’09*

**John Marron**

*MURP ’09*

**MJ Meneley**

*BLA ’96*

**Karl Sonnenberg**

*BArch ’75*

**Additional Members:**

Guillermo Vasquez de Velasco, Dean

Michel Mounayar

Lori Pence

Sue Taylor

Louise Jackson
### April 9, 2015

**9:00 - 10:00 am**
- Department of Urban Planning
  - Alumni of the Year Award Presentation
  - Ben Thomas - AB100
- Beaux Arts Workshop
  - AB004

**10:15 - 10:30 am**
- American Society of Landscape Architecture Indiana Chapter Special Presentation
  - Auditorium

**10:30 - 11:30 am**
- Craig Hartman - 1st Distinguished Alumni Award Recipient
  - Shadow and Light: Making Sacred Space for the 21st Century
  - Auditorium

**11:30 - 12:30 pm**
- Lunch & CAP History Time Line Introduction
  - Atrium

**12:30 - 1:30 pm**
- All CAP 50th Photo
  - New Quadrangle

**1:30 - 2:30 pm**
- Award of Outstanding Achievement Recipient: Rebecca Leonard - AB100
- Award of Outstanding Achievement Recipient: Steven Spears - AB100
- Panel Presentation - Interdisciplinarity: CAP First Year - Les Smith, Lohren Deeg, Sean Burns, Michel Mounayar, Joe Bilello - AB101
- Improving Population Health Management in the Age of Consumerism
  - Ron Menze - AB202
- CAP Talks
  - Clohessy
  - Clements
  - Lankford
  - Heinold
  - AB 021

**2:30 - 3:30 pm**
- Healthcare Environments - Ron Menze, Karl Sonnenburg, Paul Strohm, Gary Vance - AB100
- Restoration & Documentation of the Historic Butte-Silver Bow Courthouse Stained Glass Dome - Jules Mominee - AB101
- Preservation Meets Sustainability in San Francisco
  - Erin Ouborg (McCloskey) - AB101
- Green Roof Renovation: The Story of Chicago’s Maggie Daley Park
  - Nichole Sheehan - AB004
- Longevity a Narrative in Images
  - Cynthia McHone - AB004

**3:30 - 4:30 pm**
- Tom Baker - 2014 Distinguished Alumni Award Recipient
  - My Life in Architecture
  - Auditorium

**4:30 - 5:00 pm**
- Meet and Greet Reception with Alumni Award Recipients
  - CAP Gallery

**6:00 pm**
- Alumni Awards and Donor Recognition Dinner
  - Alumni Center
### April 10, 2015

#### 9:00 - 10:00 am
- **Time Capsule**
  - AB100
- **Panel - The Muncie Urban Design Studio (MUDS) 1980-2005: Immersive Learning at CAP long before President Gora**
  - Tony Costello, Scott Truex, Steve Anderson, Annette Phillips - AB101
- **ICMA Photo**
- **ArkItalia Photo**
- **PolyArk Photo**

#### 10:00 - 11:00 am
- **Charles M. Sappenfield Award of Excellence Recipient - Andrea Swartz**
  - AB100
- **Panel Presentation**
  - Careers within Architecture - Sarah Hempstead - AB100

#### 11:00 - 12:00 pm
- **Workshops - Photogrammetry**
  - John Fillwalk, Chris Harrison, Trevor Danehy - AB202
- **Workshop - Code Sprint: Basic and Real**
  - John Hawkins - AB004
- **Design Synergy at its Best**
  - + Presentation and Site Tour.
  - Group will return to CAP at 1:30.

#### 12:00 - 1:00 pm
- **Lunch**
  - Atrium
- **Award of Outstanding Achievement Recipient - Amy Williams**
  - AB100
- **Award of Outstanding Achievement Recipient - Dan Overbey**
  - AB100

#### 1:00 - 2:00 pm
- **Sabbatical Presentation**
  - Pam Harwood - AB100
- **Sabbatical Presentation**
  - Michele Chiuni - AB100

#### 2:00 - 3:00 pm
- **Sabbatical Presentation**
  - Harry Eggink - AB 100
- **Sabbatical Presentation**
  - Kevin Klinger - AB 100
- **CincyInForm: Drawing attention to the form of Cincinnati Architecture**
  - Eric Inglert - AB202

#### 3:00 - 4:00 pm
- **Sabbatical Presentation**
  - Harry Eggink - AB 100
- **Sabbatical Presentation**
  - Kevin Klinger - AB 100
- **Panel Presentation - Social Justice and Design Thinking**
  - Mary Ann Heidemann, Olon Dotson, Karen Keddy, Matt Wilson, Andrea Sowle - AB101
- **Do You Know Larry?**
  - Amanda Arnold - AB202

#### 4:00 - 5:00 pm
- **Workshop - Sketching: From Design Investigations To Cocktail Napkins**
  - Greg Klosowski, Anthony Costello - AB100
- **Landscape Architecture Alumni Reception**
  - 2nd Floor Atrium

#### 7:00 pm
- **Beaux Arts Ball**
  - Minnetrista Cultural Center
Ben Thomas
BUPD ’09

Ben Thomas, BUPD ’09, is the distinguished alumnus of the year in the Department of Urban Planning.

Thomas manages the Better Buildings Partnership, a strategic program for delivering the comprehensive plan of Sydney, Australia, in the city’s private sector. The partnership has won awards on the national and international stage for its competitive collaboration style of community engagement and market transformation toward sustainable building practices.

Ben’s urban planning degree from CAP took him to Sydney shortly after graduation, where he has worked in the property industry to rate buildings, create frameworks for defining sustainable precincts, and organized the Better Buildings Partnership, motivating competing commercial property companies to work together to champion sustainability on a city-wide scale. Through the Better Buildings Partnership program with the city of Sydney, he has established new industry standards for benchmarking building performance, enabling green leasing frameworks, diverting office and construction waste from landfill, and connecting commercial buildings to decentralized energy and water systems.

The partnership has evidenced broad market transformation in Australia’s approach to green leasing and tenancy construction waste and is delivering the Sydney 2030 comprehensive plan targets for emissions, water and waste targets in its members’ portfolios as well as across the city’s larger commercial property sector. To find out more, visit www.betterbuildingspartnership.com.au.
National & World Landscape Architecture Month is the Month of April. The American Society of Landscape Architects uses this opportunity to campaign and celebrate annually. The Indiana Chapter of ASLA (INASLA) has been a strong and noted advocate in the profession of landscape architecture with a strong presence at the national level, in support of professional landscape architects and in continued support of the programs at the state universities. One of INASLA’s many goals is to help bridge the gap between the universities and the professions. This year, both Ball State University’s College of Architecture and Planning and Purdue University’s Landscape Architecture program are celebrating their 50th anniversaries.

In an effort to recognize this profession in concurrent time with the national and global celebrations, to celebrate the importance of the universities’ programs and to honor the contributions Landscape Architects have made to the State of Indiana, the Indiana Chapter requested a Proclamation for recognition at the state level.

On March 31, 2015 the State of Indiana proclaimed the Week of April 19-25th, 2015 Landscape Architecture Week. The INASLA will be presenting a copy of this Proclamation to the Ball State University Landscape Architecture Department in a collaborative celebration of this distinct honor.
Distinguished Alumnus

Thomas Baker, AIA  
BArch ’74

My Life in Architecture

Tom will talk about the early years of the College of Architecture and Planning, the first Polyark trip, the CAP’s influence upon his career, and his life working for some of the most famous architects of the last forty years including I.M. Pei, Harry Cobb, James Freed, Rafael Vinoly, and Santiago Calatrava. Tom will also talk about some of the many public building design teams he has led including the New York, Los Angeles and Boston convention centers as well as the World Trade Center Transportation Hub.
Craig Hartman, FAIA
BArch ’73

Shadow and Light: Making Sacred Space for the 21st Century

In this lecture, Craig Hartman will describe through images, drawings and models, the conceptual ideas and design process in the making of the Cathedral of Christ the Light in Oakland, California. Hartman will discuss the early influence of Ball State University’s College of Architecture and Planning along with the mentorship and observations that led to the inculcated values informing his design practice and that of SOM - values that are physically manifested in the Cathedral’s architecture.

The Cathedral of Christ the Light has received over 30 awards for design including National American Institute of Architects (AIA) Honor Awards for Architecture and for Interiors and has been the subject of international publications and symposia. Its design suggests broader implications for a 21st Century architectural ethos.

Hartman joined SOM’s Chicago office in 1973, directly upon graduation, and became the Design Studio Head for Walter Netsch in 1978. In 1985 he was elected one of the youngest partners in SOM’s history. He subsequently served as Design Partner in the firm’s Houston and Washington, D.C. offices prior to overall design responsibility for SOM’s West Coast practice.

Hartman’s global work, while extremely broad in its typology, consistently adheres to a rigorous modern vocabulary acknowledging issues of place involving climate, physical and cultural landscape, and historic precedent. His projects have been widely published and examples of the work are held in the San Francisco Museum of Modern Art’s permanent collection. He has taught, lectured, and juried work at multiple architecture programs in the United States, Europe, South America, and Asia.

His work has received over 220 awards for design including nine AIA National Honor Awards and the 1996 National and 2011 California AIA Firm Awards. His research initiatives have resulted in two US Patents for environmentally sustainable systems.

In 2001 he became the youngest recipient of the Maybeck Award, an award granted periodically by the California AIA for “lifetime achievement in architectural design.” In 2008 he was honored with Knighthood by the Vatican for his design of the Cathedral of Christ the Light and in 2009 Ball State University awarded him an honorary Doctor of the Arts degree.

Other notable projects include SFO’s International Terminal, the U.S. Court of Appeals adaptive reuse, and eco-neighborhood urban plans for Treasure Island and Parkmerced, Harvard University’s Northwest Science Building, the Library of Virginia, and towers in US and Chinese cities.

In China, his work includes the U.S. Embassy in Beijing and the U.S. Consulate General in Guangzhou, and entire urban district plans in Beijing and Guangzhou.
Outstanding Achievement Award winners Rebecca Leonard and Steven Spears will describe how two successful designers/planners can enjoy careers with strong work/life integration. They find inspiration from those who came before them, colleagues, the young people they mentor, and each other.

Rebecca will discuss how these inspirations have influenced her career—at times enlightening her and at times motivating her. A firm believer that to be inspiring you must first be inspired, Rebecca makes research, travel and connections with inspiring individuals a regular part of her work. She will leave the audience asking if they are sufficiently inspired to sustain what will be both a very long and a very short career.

Steven will discuss how these inspirations have influenced his career—showing him how all his disparate passions can fit together. The crossover between art and landscape architecture is essential to produce the innovation Steven exhibits in his work. He will describe for the audience how to align passions into a career path that is authentic to self and essential to elevate the profession.
Amy Williams  
BUPD '04, MURP '05  
How Demographics Are Transforming Our Communities  

Our cities, towns and neighborhoods are constantly influenced, impacted and changed based on the people who live, work and play in our community. By identifying, analyzing and understanding national, regional and local demographic trends, we can begin to pro-actively respond to these changes in order to make our communities a stronger place – better positioned to meet the demands of the 21st Century. Demographic trends are impacting our planning needs in terms of mobility choices, design preferences, living options and economic development initiatives as well as many other aspects. This session will address demographic impacts on planning with three main topic focuses. The first portion of the presentation will present an overview of the current demographic trends – both nationally and regionally. These trends will then be used to highlight how planners can use this data to better understand our local communities and planning audiences, and reach out to them in the most effective and engaging way. Finally the session will discuss how planners can pro-actively respond to anticipated changes related to their basic community needs based on current demographic trends. These changes will highlight trends in mobility responses, residential demands and basic design influences, such as connectivity and the changing preferences of younger generations.
Daniel Overbey, AIA
BArch ’05

The Leadership Opportunities for the Green Building Design Professional

Over the past two decades, green building has blossomed from a simple idea to a 700 billion dollar industry. The design profession is poised to meet the market’s demand for leadership, if only architects and other design professionals will take up the mantle. Daniel Overbey, AIA, will outline three simple steps every green building professional can take to fill the leadership void, advance their career, and help transform the design and construction industry.

Dan Overbey is currently the Director of Sustainability for Browning Day Mullins Dierdorf Architects in Indianapolis. His work focuses on high-performance building design and construction, applied research in environmental systems, LEED-related services, and energy modeling. Dan holds a professional B.Arch degree from Ball State and graduated from the University of Nevada, Las Vegas in 2007 with a post-professional Master of Architecture. Last year Dan received a Young Architects Award from the American Institute of Architects. He has been published in High Performing Buildings, USGBC+, EcoBuilding Pulse, and many other outlets. Dan is a past Chair of USGBC Indiana and is a building science educator at the College of Architecture and Planning at BSU and at the Boston Architectural College’s Sustainable Design Institute.
The Charles M. Sappenfield Award of Excellence is named in honor of the founding Dean of the College of Architecture and Planning, under whose leadership, it opened its doors in the fall of 1965. This award is given to professors chosen by the alumni represented by the College of Architecture and Planning Alumni Advisory Board “in recognition of outstanding dedication, contribution, and commitment to the education of the students of the College of Architecture and Planning.”

Associate Professor of Architecture Andrea Swartz was selected as the 2014 award winner.

Swartz has taught both undergraduate and graduate architectural design studios; electives/independent studies in photography, furniture making and materials; and the required introductory structures course for all architecture students. Her teaching style and creative work try to engage a design process inspired by any opportunity to see clearly, think critically, learn continually, and engage issues of human use, materiality, and craft.

Swartz received both a Bachelor of Arts and a Masters of Architecture professional degree from Yale University where she received the Henry Adams Medal for her achievements. She is a registered architect in both Indiana and Rhode Island and has worked in firms in Pennsylvania, Connecticut, California, Washington, Maine and Rhode Island.

She has participated in regional, national and international architectural design and art competitions where her submissions have received numerous awards. One of her current projects includes initiating and leading the Muncie Makes Lab, located at 628 S Walnut Street in downtown Muncie. There, an interdisciplinary group of students from all programs in the college have worked to revitalize the building formerly occupied by the Muncie Urban Design Studio. Like MUDS, which was a connection between the College of Architecture and Planning and the Muncie community, Muncie Makes seeks to bring university and community together, providing a place for exhibits, workshops, reviews and community meetings. Students actively apply the skills learned in the classroom to accomplish both the restoration and the intended programmatic dialogue.
Amanda Arnold  
BLA, BS ’10  

Do You Know Larry?  

No, not Larry from Third Year studio, the LARE: Landscape Architecture Registration Exam. You survived the basement in the sky, critics, crazy field trip adventures, and all-nighters but how do you successful take that first step? The first professional step of your career can be daunting. Come discover the ins and outs, receive study tips, references, advice, information to start, and successfully complete the LARE. It is the first accomplishment on your way to a long and successful career.

George Elvin  
Associate Professor of Architecture  

Post-Petroleum Design  

Despite the growing demand for design strategies to reduce our petroleum use, architectural education has yet to address the issues of post-petroleum design that will shape our students’ future practice. The Post-Petroleum Design Lab brings these issues to the forefront by challenging students to research, evaluate, and select materials, technologies and design strategies that meet the growing demand for sustainable design, plastic-free materials and process energy conservation. In the Post-Petroleum Design Lab, fourth year students use the design and construction of a unit of furniture of their own design to address these issues and conduct life cycle analysis of their work in comparison to standard practice. Current student projects include:

- Eames-inspired chair from student-made sea-weed bioplastic
- Computer console from mushroom mycelium
- Cabinetry from CNC-milled recycled paper/bioresin hybrid

Students are challenged to strive for design and construction processes that use zero plastic and zero energy and create zero waste. By working toward this ideal and analyzing and comparing the life cycle impacts of their work to standard practices, students in the Post-Petroleum Design Lab are developing the skills and experience they will need to lead us into a future beyond fossil fuels.

Eric Todd Inglert, AIA  
BArch ’88  

CincyInForm®: Drawing Attention to the Form of Cincinnati Architecture  

Students are challenged in design studio to look beyond historical names, dates, and styles of architecture and to understand formative ideas. Geometry is a fundamental characteristic of our experience with the spaces and places that excite our senses. When we experience architecture in person or view
in a photograph it can be difficult to clarify the shapes of the planes and openings and the overall silhouette. Visual noise often obscures essential form and meaning. One way to uncover these principles is through the filter of analytical drawing. An analytical drawing method reveals the most prominent layers of form. It is rooted in a Modernist contour technique, which emphasizes a grammar of line weight. This technique reliably represents three-dimensional space and the geometry of form.

The web site CincyInForm® demonstrates theoretically based techniques for describing and drawing architectural media for use in an online database (i.e., “Archipedia”). Similar to how we use Wikipedia, this search engine focuses on the Cincinnati built environment. Web pages include archival documentation, photos, drawings, and videos alongside descriptive data. CincyInForm® educates the community on architecture, design, and history. Following a systematic, hands-on, and learnable technique, this original research illustrates how analytical drawing is an iterative heuristic process that empowers community contributors (i.e., architectural correspondents) to discover and learn about essential Cincinnati architecture.

Individualy and collectively, we should not settle for “good enough.” From the selection of a client to the creation of a punchlist, we should strive for greatness. There are tricks and traps that frequently cause us to trip. We need to identify and move beyond them. Overcoming our personal and professional failings will lift our profession.

Cynthia McHone
Instructor of Landscape Architecture
MLA ’13
Longevity: A Narrative in Images

Jason Larrison, AIA
BArch ’00
Write a Spec Like You Give a Damn! and Other Observations from an Architect Trying to be Great Enough for Government Work

The practice of architecture has become a misunderstood profession. The public rarely knows everything we can do. Contractors try to reduce our role. Politicians try to reduce our impact. But that is not even the worst part. Architects, in practice and in promotion, are a detriment to our own profession. As Pogo said, “We have met the enemy and he is us.”

Frank Gehry elegantly stated that “98% of what gets built and designed today is pure shit.” He spoke primarily about design, but that could be further applied to the other components of our professional services. Our failings are equally rooted in our pursuit of pride and prominence as well as our pursuit of a paycheck.
Much has changed since 1965, when the average yearly income was $6,450, a modest new home cost $13,600, apartment rents averaged $118 per month, a new car cost $2,650, a gallon of gas was 31¢, a first-class postage stamp 5¢, a local pay phone call 10¢, and a Hershey bar 5¢ (http://www.thepeople-history.com/1965). While these economic statistics from 1965 have, of course, inflated dramatically, other things have had longevity and remained with us.

In this year 2015, Ball State University’s College of Architecture and Planning will celebrate its 50th anniversary. To celebrate this occasion, I will create a unique photographic essay that will document objects, places, and people that have endured half a century on this planet. The images and discussion will provide current CAP students historical context for the anniversary we are celebrating and provoke discussion of what qualities enable some designs to endure while others pass with time.

Mike McKay, AIA, ACHE, EDAC, LEED AP
BArch ’87, BSED ‘87

Architecture Must Kick Its Addiction to DESIGN If It Wants to Survive

The majority of clients who hire architects want service and accountability, in addition to our design and problem solving skills. Across markets, clients require projects to be in the right place, at the right time, for the right cost in order to be successful and sustainable.

As architecture continues to focus on design, our profession has abandoned much of the responsibilities inherit in the process of planning, designing and building projects, forsaking our influence and value. Meanwhile, other professions within the AEC industry have said, “fine—let the architect own design; we’ll own the rest.” The result has been devastating to our profession.

Unemployment in architecture was among the highest of all professions during the recession. We have lost a generation of experienced architects—talent that was laid off, never to return because of the lack of jobs, low wages and a shrinking profession. Fees for architecture firms have not returned to healthy levels even as the economy has rebounded. Why?

Clients are placing greater value on performance and return on investment, while the architect has focused too much on the portfolio opportunity, and this disconnect has diminished the value of our profession to society.

We need to return to the roots of our profession, where the architect was not only the designer, but the builder as well. In order to do so, we need our profession to take back the practice of architecture—the Art and Science of Building.

Ronald S. Menze, AIA, ACHA, EDAC
BArch ’79, BSED ’79

Improving Population Health Management in the Age of Consumerism

Those seeking treatment are no longer patients but consumers of healthcare. While inpatient care steadily declines in healthcare settings, delivery to the masses continues to increase in outpatient settings. Delivering care in the least inconvenient method delivers the best healthcare to the population. Hospitals offer superior care to complex and compromised patients where economy defers to patient health goals and safety. The healthcare architect’s role always maintains privacy for the patient in a safe and “healing with dignity” environment with a firm grasp on the intricacies of the technology.
1. Freestanding emergency departments offer non-trauma patients a lower cost option in a simple and less complex environment delivering medical care in a potential trauma/clinic setting.

2. The medical home model is the new method to deliver the Accountable Care Model in a compassionate coordinated setting. These plans offer care by a variety of providers within a single visit setting.

3. Freestanding care clinics offer convenience to those without a regular healthcare provider in a low cost non-emergency room setting.

4. Health clinics deliver wellness and health maintenance advice on a drop-in basis as part of a health maintenance way of life.

5. Self-monitoring of one’s own health condition by use of biometric technology is an increasing yet confusing approach to healthcare. While simple in its implementation, individual compliance remain spotty.

Jules T. Mominee
MA ’79, MSHP ’14

Restoration and Documentation of the Historic Butte-Silver Bow Courthouse Stained Glass Dome

This is a slideshow presentation and talk about the role of the Architect and/or Historic Preservation Officer in the restoration of the historic stained glass dome of the Butte-Silver Bow, Montana, Courthouse. This project was completed in December 2014. The presentation covers the process of serving as a professional consultant, step-by-step, from creation of the initial condition survey, to formulating bid specifications, to selection of a contractor for the physical work, and general oversight of the work from start to finish. The purpose is to acquaint HP professionals with the basic processes of stained glass restoration.

Jules Mominee, while a recent graduate of the BSU HP Department, has been in the field of stained glass as a professional restorer and designer/manufacturer of art glass for over 35 years. He is president of Mominee Studios, Inc. of Evansville, IN. Jules is a member of the American Institute for Conservation (AIC). He is also a Professional Accredited Studio member of the Stained Glass Association of America and served for several years as Chairman of the Restoration Committee.

Erin Ouborg (McCloskey)
BArch ’04, MSHP ’06

Preservation Meets Sustainability in San Francisco

Page & Turnbull was the preservation architect for the adaptive reuse of Pier 15, San Francisco, California, as the new home of the Exploratorium. The Exploratorium is a hands on museum of science,
art, and human perception. Constructed in 1931, Pier 15 is a contributing building to the Embarcadero Historic District along the San Francisco waterfront. The environmental goals of the project were zero net energy, zero carbon footprint, and LEED Gold; in 2014 the project was awarded a LEED Platinum certification. The project was also partially funded through the Federal Historic Preservation Tax Incentives program, requiring state and federal review for the projects compliance with the Secretary of the Interiors Standards. This presentation will cover the successes and challenges of melding a change in use, seismic requirements, sustainability goals, and preservation standards into one historic structure.

Erin Ouborg (McCloskey) was the Project Conservator for the rehabilitation of Pier 15. Her roles ranged from initial conditions survey, materials testing and analysis, development of prescriptive repairs and details, construction administration, and tax credit coordination throughout construction.

Nichole Sheehan
BLA '01

Green Roof Renovation: The Story of Chicago’s Maggie Daley Park

In 1976, the Chicago Park District completed construction of a 16-acre green roof and 3,700 car parking garage known as Daley Bicentennial Plaza, the largest green roof at the time. Fast forward 35 years, and this structure needed extensive repairs to the underlying roof membrane, requiring the complete removal of the park above. This reconstruction provided the Chicago Park District with the unprecedented opportunity to reconsider the design and function of the park.

The Park District’s goal for this site was to create a world class, multi-functional park, and develop landscape experiences that reflect the evolving open space needs of Chicago. The new Maggie Daley Park has a distinctive presence with signature elements like rock-climbing sculptures, an ice-skating...
The newly opened Maggie Daley Park has become a downtown destination that benefits all of Chicago, drawing visitors from near and far to enjoy an informal place for recreation and relaxation, strong seasonal characteristics, and a connective landscape that will broaden the appeal of Grant Park as a whole.

This session will include a discussion of the multi-disciplinary design process, the challenges faced when working over structure at such a large scale, the engagement of public-private partnerships, the technology utilized to implement the project, as well as an assessment of the park’s performance to date.

Tapani Talo
BArch ’80

**Our Way Of Life – Trillion Wasted Each Year in Inefficiency in Building Sector Alone**

Architect Tapani Talo, (aka Tapanainen) on his 50 anniversary year from deciding to become an architect the most important change we need to do across the board in building industry. Use current technology right from the start. Teach students, design zero energy right from the start, or up to 95% - easier than most people think, change our financing for our clients to accommodate this. The trillion in energy savings with about 100 dollars a barrel average would pay for our army and most of medical care for instance. It also would allow us to survive a conflict in the world as power distribution is the Achilles heel of any nation these days. Just look at outages with major storms, and multiply the effect to get a feel for a situation with no power leading to no food or water or transportation...
Panel Presentations

Joe Bilello (Moderator)
Professor of Architecture

Sean Burns
Instructor of Architecture

Lohren Deeg
Assistant Professor of Urban Planning

Michel Mounayar
Associate Dean

Les Smith
Professor of Landscape Architecture

**Interdisciplinarity, Drawing and The Digital Age: Cap First Year Program Past, Present, and Future**

David Scheer’s provocative text, *The Death of Drawing: Architecture in the Age of Simulation*, and last year’s conference at Yale University on the same subject have occurred at a time of concurrent interdisciplinary discussions in the College of Architecture and Planning.

What has been the role of hand drawing related to design in professional preparation? What can we anticipate it to be?

Since 1978, CAP has offered a yearlong interdisciplinary introduction to the CAP’s disciplines. Through the perspectives of three of its coordinators, past and present, and alumni who will be challenged to put that experience into the context of their professional lives now and into the future.

CAP’s 50th anniversary seems an opportune moment in the CAP’s history to reflect and speculate about this vitally important program.

A provocateur/moderator will incite a vibrant and insightful dialogue among alumni and historic leaders of the program and seek to engender discourse with attendees.

Dr. Michael Burayidi (Moderator)
Chair of the Department of Urban Planning

Vera Adams
Associate Professor of Urban Planning

Dr. Bruce Frankel
Professor of Urban Planning

**Planning Alumni and Students**

**The Future of Planning**

An open discussion on the future planning issues, professional and lay person education, employment opportunities and the planning office of the future.

Simon Bussiere (Moderator)
Assistant Professor of Landscape Architecture

Ross Auer
BLA ’12

Ned Brockmeyer
MLA ’12

Adam Brunton
BLA ’12

Jessica Gordon
BLA ’12

Brian Main
BLA ’12

Cassandra Rice
BLA ’12

**The Real Deal on the Real World: What It’s Really Like after Graduation**

What are my career interests? What kind of opportunities would I have at a large firm? A small firm? What exactly does a public-sector landscape architect do? Is residential design for me? I liked my design build class—maybe that career path is for me?

These kind of questions plague every landscape architecture student as they approach graduation. With so many options to choose from as a BLA/MLA graduate, applying for jobs seems like a daunting task. A panel of young professionals (BLA/MLA graduates) from public, private, non-profit, design-build, and residential sectors of
landscape architecture will talk about their personal experiences, answer student questions, and provide valuable insight on what it’s really like after turning the tassle. The aim is to help shine light on the array of career and internship opportunities for young landscape architects.

The panel will be geared primarily for Q&A, but will also have pre-determined discussion topics available such as:

- How important is my portfolio? What did they look for in my portfolio/resume?
- What are most important skills and abilities required?
- What are the typical responsibilities for an entry level in that sector?
- What are the most/least rewarding aspects of the job?
- What do we wish we knew (but didn’t)?

Anthony J. “Tony” Costello, FAIA
(Moderator)
Irving Distinguished Professor Emeritus of Architecture

Scott Truex
Associate Professor of Urban Planning

Steve Anderson

Annette Phillips

The Muncie Urban Design Studio (MUDS)
1980-2005: Immersive Learning at CAP
Long before President Gora

The incorporation of “immersive learning” was the major curriculum innovation of President JoAnn Gora’s tenure (2005-2014) as the President of Ball State University. Based on the concept of faculty and students engaging “real world,” community-based projects, it was trumpeted as both innovative and enriching an undergraduate’s education as well as providing an important public service.

As early as the fall quarter of 1969, the three year old College of Architecture and Planning (CAP) embraced this approach to the urban design and planning studio component of its B.Arch. curriculum. Over the next three decades, CAP built an international reputation for community-based, urban design education and public service that took architecture, landscape architecture, urban planning and historic preservation faculty and students across the state of Indiana to engage the planning, design and development challenges facing small towns and large cities.

However, CAP did not neglect serving its “hometown” of Muncie, Indiana, and from 1980 to 2005 the Muncie Urban Design Studio (MUDS) created an award-winning program that combined student education, public education, public service and applied research. Its impact can be seen today in implemented projects such as Muncie’s: affordable housing; downtown facade restorations; reclamation of the White River; and the preservation and adaptive reuse of the historic Wilson School.

A short presentation by Costello will give a look at the historic achievements of MUDS. A panel discussion will follow in which Truex, Anderson, and Phillips share their insights on the contributions made by MUDS to Muncie in its quarter-century of operation (1980-2005).

Emile Dixon
BArch’10

Sarah Mitchell
BUPD’06

2015 Keys to L.E.A.D Award: Honoring Leaders of Social Change, Environmental Awareness and Design

On behalf of NOMAS members past and present, we would like to honor CAP Professor Olon Dots on and the late Dr. Linda Keys for their unwavering commitment to the advancement of young
professionals in the areas of architecture and urban planning over the past 25+ years. Professor Dotson and Dr. Keys are true “Architects of Hope”, and their example has inspired an entire generation of CAP graduates of all races and ethnicity to be agents of change in the communities we live in.

Often the only African American faculty in the college, Professor Dotson and Dr. Keys also served as mentors to many minority students who came to Ball State looking to complete one of CAP’s degree programs. For many, these two trailblazers provided not only a familiar face, but also the guidance, encouragement, and support needed to get through 4+ years of rigorous coursework and campus life. Professor Dotson and Dr. Key’s legacy of work in academia and in the local community have opened the eyes of many to the design inequality that still exists in our back yards and has inspired countless people across the county, and even the world to take a more meaningful look at our accountability as designers. Their overall contributions to us, and CAP as a whole have been invaluable. For this reason, we would like to honor them and their legacy during the CAP 50 year anniversary celebration with tributes from the many students, faculty, and staff whom their courage and leadership have inspired.

Dr. Key’s untimely death in 2006 has left a large void throughout the College of Architecture and Planning that has yet to be filled. She said it best in 2005 when stating, “We have come a great distance, but we have some distance to go.” At this honorary event, we will discuss their legacies as advocates for social justice in design. Their overall contributions to us, and CAP as a whole have been invaluable. For this reason, we would like to honor them and their legacy during the CAP 50 year anniversary celebration with tributes from the many students, faculty, and staff whom their courage and leadership have inspired.

Our hope is that this tribute challenges and empowers others to take a more active role in mentoring CAP’s next generation of graduates and that it opens a meaningful dialog about the continuous need for diversity within our college and in our collective professions.

Olon Dotson  
Associate Professor of Architecture

Mary Ann Heidemann  
Associate Professor of Architecture

Karen Keddy  
Associate Professor of Architecture

Matt Wilson  
Instructor of Architecture

Andrea Sowle  
Historic Preservation Graduate Student

Social Justice and Design Thinking: Pedagogical Progress in Ball State’s Architecture Department

This panel will illustrate the spectrum of Social and Environmental Justice (SEJ) work currently underway within Ball State’s Department of Architecture. The session leads off with Assoc. Prof. Karen Keddy presenting her approach to teaching students about social justice in design. Keddy’s class examines spatial strategies incorporated in the Titanic (classism) and in Jim Crow era buildings (racial segregation), as well as identifying forms of segregation remaining in current building design. Next, Assoc. Prof. Mary Ann Heidemann will review evolving practices for preservation and interpretation of slavery related sites in the United States, including approaches that may lead to improved accuracy in history and potential for social reconciliation. The intellectual origins of social and environmental justice language and thought are explored in Instructor Matt Wilson’s study of ethical positivist philosophers during the Victorian era. Wilson traces the ultimate influence of these early urban sociologists to the work of modern designers like Gropius and Le Corbusier. Preservation Grad Student Andrea Sowle summarizes her effort to prepare a National Register nomination for the Schaffer American Methodist Episcopal Church in Whitely, where the Pastor JE Johnson and his congregation stood up
against KKK instigators to protect and properly bury victims of an infamous lynching; the saga recounted in Billie Holiday’s haunting song, “Strange Fruit.” The panel will conclude with a summation from Assoc. Prof. Oلون Dotson, who will share his commentary on CAP’s evolving SEJ initiative, and the significance of this work in educating the next generation of scholars, design professionals, and citizens.

Sarah Hempstead, AIA, LEED AP (Moderator)  
BArch ’98, BSED ’98

Diana Brenner, FAIA, IIDA, LEED AP  
BArch ’95

Greg Graham, AIA, LEED AP  
BArch ’78

Kristin Welty

Will Zink, Associate AIA, LEED AP

Careers within Architecture

There are many professional paths an architectural graduate may take. While the traditional role is working in an architectural practice, often times students don’t have a thorough understanding of the various professions they can choose with their architectural degree.

This panel presentation will feature CAP alumni who have spent their careers in various roles. Panelists will include the following tracks:


The panel will be moderated by Sarah Hempstead, AIA, LEED AP. As a principal at Schmidt Associates, she has a successful career as a traditional architect while working with the other roles. She will ask panelists about how they got into their chosen career path, what a typical day looks like, and why they took the career route they did.

Sufficient time will be given to attendees for Q&A to make sure they maximize their understanding of the career paths ahead of them.

Gary Vance, FAIA, FACHA, LEED AP (Moderator)  
BArch ’77

Ron Menze  
BArch ’79

Karl Sonnenberg  
BArch ’75

Paul Strohm  
BArch ’80

Health Environments

The United States healthcare system is in the midst of significant change and transformation. The direction towards population health management and health wellness will continue to evolve with the expertise of planning and design community. This panel discussion with CAP alumni who are experts in this market segment will discuss the past and current design solutions for this market. In addition, the panel will explore the future opportunities and challenges for the design community to participate and impact these very important facilities to our society.
Michele Chiuini  
Professor of Architecture  

The Myth of Technology in Housing

Among the problems generated by 19th century industrialization, housing was the most politically pressing and architecturally challenging. Modern architectural theory provided a technological solution, using the same cultural approach and the same tools that contributed to create it. The theory that housing could be produced industrially was founded on the success of the automobile production line, and on the scientific and engineering approach to design. Housing design and production was also seen in the context of new urban forms, largely structures around new transportation systems. The faith in technologies and in their transformative power was expressed in utopian urban visions that formed a mythical body of culture.

The type of industrialization envisaged in the early stages of modernism did not materialize within the private housing market, but resulted in massive public housing programs in socialist and capitalist countries alike. The subsequent failure of industrialized mass housing generated other theories and utopias, based on the emerging computer technology and the advancement in structural design. The proliferation of “megastructures” layered over historic cities signaled a new, more open social vision and a more flexible, individualistic adoption of technologies.

Today housing and cities are still facing the challenge of growing urban populations particularly in the developing world. Problems are compounded by climate change and limitation of resources. New utopias are emerging, and technology is still evoked as the solution for housing and urban problems. An answer (and perhaps a new myth) is outlined, based on the observation of spontaneous settlements in developing countries. In this vision, local technologies, under the control of local communities, can replace large-scale public or private programs, while complemented by regional and global infrastructural networks.

Harry A. Eggink  
Professor of Architecture and Urban Design  
BArch ’71

Design According to Charlie
This talk will take you on a design journey that takes place mainly in the low lands of the Netherlands and will describe the meaning of the term “design” according to the philosophy of the founding dean of Ball State University’s College of Architecture and Planning, Charles M. Sappenfield. The author, a student of “Charlie” and a member of the first graduating class will take you along in his 2014 fall semester sabbatical venture in search of design solutions and research that will have an effect on the 21st century issues of the environment. As climate changes and weather patterns become more unpredictable and violent, architects, landscape architects, and planners are on the forefront in designing new environments that are more resilient and sustainable, and incorporate ever-changing and versatile lifestyles for future generations. In design, the presentation will introduce a national scale project, “room for the river,” a concept preparing rivers for controlled flooding, showing the preservation and reuse of historical buildings and civic plazas, and the future of the cradle-to-cradle design practice. As future design solutions are required, a new contemporary design practice must be formulated to meet these challenges and create the solutions for the twenty-first century.

Pamela Harwood
Associate Professor of Architecture
Creating Architecture of Living ... Learning ... Loving – (because what we love we will sustain)

In architecture, it can be difficult to determine where research ends and practice begins. Design and research are intertwined—that architects are conducting research as their design process leads them to better understand the site and other peculiarities of the project. In this guise, all design is a form of research. Recent technological innovations have given rise to a number of specializations within architecture firms and the first collaboration with research and practice that I will share is digital fabrication and computational design in the ancient art of timber framing. One of the basic human requirements is the need to dwell. One of the universal human acts is the act of inhabiting, of connecting ourselves, however temporarily, with a place on this earth, which belongs to us, and to which we belong. This is not an easy task, and it requires care. In the architecture of living that we create, there is great care for the art of joining, the ability of craft and that art of making a meaningful whole out of many parts. I believe that the real core of architectural work lies in the act of construction. I am impressed by the knowledge of how to make things and I try to design dwellings that are worthy of this knowledge and merit the challenge to this skill.

The second area of research and design synergy that I will share is creating architecture of learning. My research is in the assessment, planning and design of high-performing pre-K, elementary and secondary education facilities by considering both the teaching pedagogy and interior and exterior spatial environments. Architectural space is not so much a setting for learning as one of the many mechanisms through which learning can be articulated. Space must be understood as always in interaction with the practices that take place in it and with the
perceptions and experiences of its inhabitants. In this way, physical design of the space is linked with the pedagogy and curricular content of the learning environment, carefully considering and assessing how to optimize learning in space as a material design in coordination with the pedagogical space. This research merges the two disciplines of education and architecture by sharing contemporary educational and architectural theories and exemplary school facility design based on best practices and new paradigms of learning appropriate to the 21st century.

The final area of research and design that I will share involves creating architecture of loving, by which I mean place making with careful attention to and respect for engaging all inhabitants in problem-solving and decision-making processes to issues that affect them. This applied research involves students and community working directly in their capacity to re-invent creatively their environments. In this design and research intersection, we consider children's experiences and understanding of their environments and ask the question what possibilities emerge out of the creative encounters between children and designers? To facilitate this process of co-creation requires a critical framework of design process as a situated social process and as co-authoring identities, all of which will be discussed in my work involving children and students in immersive learning projects.

Kevin Klinger
Associate Professor of Architecture

Retooling Digital Design and Fabrication

This presentation will catalogue the body of work through The Institute for Digital Fabrication at Ball State University, which has led Ball State University to distinction in Digital Design and Fabrication, and explore regional assets for an applied research network with local manufacturers.

Now is the time to chart a more fine-grained course and develop opportunities to enable new manifestations for this line of inquiry. Digital Design and Fabrication scholarship has transformed the discipline of architecture. Twelve years ago, Digital Design and Fabrication was in a nascent state within the discipline of architecture. Today, this topic has become ubiquitous around the world.

We began the Institute for Digital Fabrication in order to radiate stronger applied research opportunities in connection with local industry, and to prepare for changes in the building industry brought on by innovative new techniques in “design-through-production,” where the project solution is developed from start to finish using back and forth feedback of digital modeling and digital fabrication (Sigradi, 2010). Further, the Institute for Digital Fabrication (IDF) at Ball State University believes that engaging industry directly and cultivating acumen with information technology are effective strategies for a pedagogical formula that is critical in making a regional impact, while still adding valuable knowledge within the global exchange of ideas. The mantra of the Institute for Digital Fabrication has been to “Connect Globally and Make Locally.” This ethic encourages a digital design-through-production methodology and curriculum through the lens of multiple course-based projects and applied research opportunities (Nexus Journal, 2012). As such, maintaining a network of industry partners is critically important to bring students into collaboration with willing partnerships.


How Do Your Clients Prioritize Projects?

Do you know how your clients prioritize projects? Would knowing this prioritization help you bring better architecture and greater value to your clients? Methods for prioritizing projects can be thought of as a spectrum. At one end, clients’ prioritize projects in an ad-hoc fashion, typically with the “loudest voice” and personal relationships driving decisions. At the opposite end, clients use factors, including importance, complexity, cost and urgency to prioritize projects in an objective manner. Deciding which project to execute can then be made based on available funds, staff, enabling projects, and other resources. In these previous steps, clients aim to be “doing the right thing,” properly aligning their projects with their strategy. Architects are then challenged with “doing the right thing right.” What, however, are the implications of successfully executing architectural services for a misaligned project?

It’s Not About the Building (n)

How does the role of the architect push beyond the design of the building (n) to the role of building (v) outside the traditional sense of structure, material, and construction? What role and/or responsibility do architects have in building community, building education, building ideas, building solutions, building awareness, building advocacy, etc.? How does an architectural education help to develop the skills needed to both build better buildings and build a better word? How can the focus start to shift from “building” as a noun to “building” as a verb?

A Lasting Impression: The Photographic Documentation of CAP Graffiti

The concrete, dungeon-like walls of the College of Architecture and Planning have all but disappeared under the artistic expression of students in the college. Aside from the designated paint room, students have imprinted a lasting creative legacy on everything inside the building creating a unique atmosphere. These acts of graffiti have turned the building into a living legacy about the students who have and will spend the majority of their college careers in this building. Under the direction of Cindy McHone and by using the skills taught in her Design and Photography class we will present a series
of photographs capturing the building’s character and showing how the college tells our stories.

David Heinold
BUPD ’12

Solar Energy Permitting

In times of constantly changing weather patterns and climate uncertainty, solar energy conversion systems can play a role in solving these major crises. The permitting system should be formulated in a way that provides developers with the ease of navigating the necessary local regulations while giving the general public the peace of mind concerning this innovative type of development. The analysis of a project should cover at a minimum the site, economic, and social impact on the community.

A Solar Energy Conversion Systems (SECS) Ordinance should include specific, detailed information about the necessary items on a site plan such as location, access, layout, screening, or describing a plan for construction and decommissioning. The ordinance must have provisions for requiring the petitioner to show that they have the financial surety to carry out a project of any magnitude and the funds will be available for decommissioning purposes should the project undergo a failure of some sort for longer than twelve months.

The project should be analyzed based on the following factors: the impact on surrounding properties and future growth of the area, the proposed project will not alter the general character of the area, negative factors will be controlled or eliminated, and it will not adversely impact the public.

From analyzing the first major SECS proposal in South Dakota, I’ve learned that it is important to collect all of the facts you can about solar energy, to anticipate your audience, and keep accurate notes throughout the entire process.

Susan Lankford
Instructor of Architecture
MSHP ’04

The Preservation of Modern Architecture in Indiana

Modernist architects and designers changed the spaces where Americans live, work and play. Indiana’s built environment reflects these changes. The state is rich in Modern buildings and neighborhoods, from nationally-significant examples, to modest homes of the average citizen. Over the last several years, Indiana’s preservationists have been working together to save these important structures for the future. While the preservation of some iconic works have been very successful, it has been harder to preserve “everyday ordinary modernism” – that is, the banks, churches, commercial and institutional buildings, and homes that reflect the principles of modernism on a more humble scale. Learn about preservationists’ efforts to teach Hoosiers about the important of these structures and the need to preserve them as part of our state’s heritage.

Susan Lankford
Instructor of Architecture
MSHP ’04

Julie Koomler
MSHP Student

Michael Flowers
MSHP Student

Lara Olinger
MSHP Student

Susan Leigh Smith
MSHP Student

Preservation by Demolition

Over the past few decades—and especially since the real estate bubble broke in 2007—many historic neighborhoods across the country have experienced levels of disinvestment. This is especially true in the Legacy Cities. While some historic neighborhoods weathered the real estate storm, others
experienced great decline and are dotted with vacant and abandoned housing. This blight can be connected to increased crime rates, increased physical and mental health problems, declining property values, and increased city services costs (fire runs, police runs, etc.). Recent federal and state programs, including the Blight Elimination Program, have given communities millions of dollars to demolish this blight. Since many of these tear downs were slated to take place in historic neighborhoods, historic preservationists reacted very passionately and many were adamantly against these demolitions. However, through a careful study of Legacy Cities revitalizing themselves after blight, we argue that demolition in certain cases is absolutely necessary. Demolition, when carried out with careful planning, can be an effective tool that preservationists must add to their toolkit.

Andrew L McClary  
BArch ’92, BES ’92

Life Beyond Architecture - How an Architecture Degree Can Carry You into Other Disciplines

After graduating from Ball State with an architecture degree at a time when the economy was not favoring building things, and in fact the firm I had interned at was closing its doors, I turned the skills I had learned at CAP in another direction, a newly forming career path called a 3D computer animator. The CAD skills I learned and my ability to look at drawings and visualize them in 3D allowed me skills that many others did not have in this new field. I created with the help of professor Bruce Meyer one of the first 3D animated CD-ROMs called “Exploring Ancient Architecture.” This lead to work in the broadcast industry producing virtual sets, special effects, and television show opening graphics. Over time I became the art and creative director for broadcast companies that produced work airing on MSNBC, Discovery, and Lifetime among others. In 2010 I finished work on a design for an all electric sports car and started a company called High Voltage Hotrods. I am currently the founding partner and CEO of Car Show Television, a television show which covers car shows across the country.

But it was the project management skills and design skills that I learned at CAP that allowed me to do so many things. It was the ability to look at a problem, break it down, and approach its parts while keeping the whole in view that allowed me to become proficient in these other disciplines.
Sketching: From Design Investigations to Cocktail Napkins

This session is focused on one of the oldest and most celebrated skills in architecture... that of hand-sketching. It is divided into two distinct components, the first being a heavily illustrated, “tag-team” presentation on sketching by Tony Costello, FAIA, long-time faculty member at CAP and CAP alumnus (B.Arch. 1994) Greg Klosowski, AIA, Senior Project Architect with Pappageorge Haymes Partners, Chicago. The second focuses on sketching on cocktail napkins and includes a “take-part,” mini-workshop.

The first component begins with Tony’s introduction of the “anatomy” of sketching and the history of architects’ use of sketching in documentation and design. Greg’s presentation follows and focuses on the use of sketching in a modern practice. The session concludes with Tony presenting his Ten Observations that Inform the Skill of Sketching.

The second component deals exclusively with sketching in ink on cocktail napkins, a common paper product long used by architect’s to illustrate design thinking over a drink. Their brief presentations set the stage for the “take-part” workshop with attendees executing a series of sketches on napkins.

Both presenters are uniquely qualified to speak to this sketch technique with Greg having won First Prize (2013) and Runner-Up Award (2011) and Tony Runner-Up Awards (2011 & 2012) in the Professional Category of the ARCHITECTURAL RECORD Napkin Sketch Contest.

Napkins will be provided, but attendees will need to bring ink pens, one of which should be fine point (000).

Photogrammetry Workshop

Photogrammetry is the art of making accurate 3D objects from photographs. Trevor Danehy and Chris Harrison will present the workshop on Photogrammetry. They will cover where to start, the process, software and the end product/model.
John A. Hawkins, AIA
BArch ’82

**Code Sprint: Basic and Real**

Using the example of a neighborhood pizza parlor, Code Sprint 101 is a fast-paced workshop that will demonstrate how to make important design decisions using code knowledge. You’ll learn:

1. **A,B,E,F,H,I,M,R,S,U**: The difference between Occupants and Occupancy

2. **100/300**: The difference between an A-2 and an A-3.

3. **7/15/100**: Occupant Load numbers to burn into your brain. Forever.

4. **50**: The point where everything changes. And we’re not talking about your age.

This is not a boring walk through a book reading code sections, nor is it a history lesson about the dangers of fire. It is a stripped-down, flat-out, grab-something-and-hold-on race through a seemingly simple and easy design problem that will give you the key to begin unlocking code knowledge that the world expects you to know. Neither a code book nor any prior knowledge of the code is needed. This workshop is for designers who don’t know the code, don’t understand it, or aren’t sure why they need to. It will be taught by one of the leading code experts in Indiana and in less than 60 minutes, you will be out of breath with new knowledge.

Guillermo Vasquez de Velasco
Dean, College of Architecture and Planning

**CAP Time Capsule**

The CAP Family is in the business of predicting the future. Our design and planning decisions of today will have a significant impact tomorrow and beyond.

We don’t have a crystal-ball that will allow us to see the future with reasonable levels of certainty. The best we can do is to exercise an educated guess. Hopefully history will prove us right, but we know that it can also prove us wrong.

In the past, very well informed individuals have made radical mistakes when predicting the future. Others have been surprisingly accurate.

This workshop will challenge its participants with the making of 50-year predictions that will be placed in a time capsule at the end of the symposium and preserved intact until the year 2065 when our college celebrates its centennial. At that time we hope that our students of today will come back to CAP in order to open the time capsule and enjoy the process of identifying and celebrating those who achieved the highest levels of accuracy in their predictions.

The workshop will illustrate the challenge of predicting the future by highlighting some successful and unsuccessful attempts in the past. At the same time, the workshop will reference important current events that may or may not have a determining impact in the future. The participants will be invited to brainstorm collectively about potential developmental trajectories and in such a way facilitate the process of visioning and predicting the future.
Everyone is invited to participate. No one is too old or too young to place a prediction in the time capsule.

Design synergy yields design innovation and informs and shapes design theory/education.

Over the past 17 years (1999-2015), the Department of Landscape Architecture (BLA, MLA) has engaged over 350 students in a Design/Build Course. The varied outcomes from this course demonstrate design synergy at its best. Challenged to perform at a professional level, students engage in real community client partnerships with design, engineering and construction professionals (FlatLand Resources, LLC, Crandall Engineering, Minnetrista, etc.). This experiential learning takes students through comprehensive research, design development, and pre-construction—culminating in a ‘hands-on construction blitz.’ Students have first-hand experiences in causing their innovative design to transform into lasting built-work—adding meaning and purpose to their own community.

Nine community groups have benefited from 21 projects: the largest and most complex being the 27-acre John M Craddock Wetland Nature Preserve (JMCWNP). JMCWNP serves as a valued regional environmental education venue and passive recreation area. Six years of staged projects have resulted in the design/construction of arrival plazas, boardwalks, trails, vegetation restoration, and iconic central pavilion with green roof. JMCWNP represents a culmination of unique service learning processes and outcomes that have resulted from the leadership, longevity, and consistent performance of the LA Design/Build Program.

Site Visit

Leslie Smith
Professor of Landscape Architecture

Amanda Arnold, RLA
BLA ’10

Kristin Riga
BLA ’10

Luke Waltz
5th Year BLA Student

Steve Himebrook
3rd Year BLA Student

John Lavine
3rd Year BLA Student

Design Synergy at Its Best

Design synergy expands the popular use of the business term ‘synergy’. Design synergy results from the vital chemistry between student designers and diverse design professionals working collaboratively with communities to formulate innovative design solutions—solutions that align ecological values, user needs, build-ability, and aesthetics through evidence-based design methods. This de-
THE COLLEGE OF ARCHITECTURE AND PLANNING HOUSES THE FOLLOWING CENTERS AND INSTITUTES:

CENTER FOR ENERGY RESEARCH/EDUCATION/SERVICE
CERES is an interdisciplinary academic support unit focused on issues related to energy and resource use, alternatives, and conservation.
www.bsu.edu/ceres

CENTER FOR HISTORIC PRESERVATION
CHP utilizes historic preservation to promote economic development, strengthen community identity, and improve the quality of life.
www.bsu.edu/chp

COMMUNITY BASED PROJECTS
The CBP initiatives combine teaching, research, and service activities that focus on the environmental design and planning professions to create opportunities in Indiana communities from inner-city neighborhoods to rural small towns. We can help with development and revitalization issues for your business or neighborhood.
www.bsu.edu/cbp

INSTITUTE FOR DIGITAL FABRICATION
IDF acts as a catalyst of digital design and fabrication techniques for both industry and education related to architecture and allied arts.
www.bsu.edu/imade

INSTITUTE FOR DIGITAL INTERMEDIA ARTS
IDIA is an interdisciplinary, collaborative research and studio environment that explores intersections between art and technology.
www.idiarts.org

LAND DESIGN INSTITUTE
LDI pursues ecologically and culturally responsible land design through education, research, outreach, and service.
www.bsu.edu/ldi

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