

reCAP

R. WAYNE ESTOPINAL COLLEGE OF ARCHITECTURE AND PLANNING



Architecture
Construction Management
Historic Preservation
Interior Design
Landscape Architecture
Urban Planning
Urban Design



Dean's Letter:

Greetings! This issue of reCAP holds news of endings and beginnings. We lost three of our senior leaders this year – Francis Parker, John Russell, and R. Wayne Estopinal, who are each profiled within. Each touched many and left lasting legacies. They represent what I consider true CAP values – they embodied selfless giving, they stayed active and committed, and they worked hard to make the world better, through their gifts in planning, design, and leadership. They will be deeply missed. The Ball State Board of Trustees felt deeply the loss of their fellow Board of Trustee member, R. Wayne Estopinal, and chose to name CAP in honor of their colleague and his many contributions to the university and college. We are now known as the **R. Wayne Estopinal College of Architecture and Planning**.

Many new initiatives are also mentioned here. Our newness starts with the fact that, for the first time in several years, we have leadership in place that is no longer interim – from the positions of President and Provost to the campus deans to the CAP leadership - virtually all of the temporary roles of the past few years are now in the hands of individuals who are committed to multi-year momentum. This provides stability and ambition to elevate the university and our college to ever better outcomes for our students and our communities.

Newness is further evidenced in some of the initiatives you will see mentioned within. Like our new strategic plan, our continued, accelerated commitment to interdisciplinary work within and beyond the college, and our emphasis on the power of design and sound planning and management to produce innovative solutions for society. You will also see evidence of our commitment to working with professionals to enhance our educational experiences and our efforts to connect with CAP alumni across the country to inform, and involve, what I consider one of our greatest assets – **our alumni** – in advancing the college and its mission.

The outcome of these efforts is to grow individuals who can make increasingly strategic and creative contributions – who can carry the CAP legacy of making things better for others through innovative design, planning and construction, leaving as a legacy, a better world.

Stay in touch. Feel free to contact me if you have questions or suggestions.

Dave Ferguson

Dean, R. Wayne Estopinal College of Architecture and Planning



IN MEMORIAM R. Wayne Estopinal

The Ball State University Board of Trustees approved the naming of the college to **R. Wayne Estopinal College of Architecture and Planning** in recognition of Estopinal's service and generosity to the University.

Estopinal, a 1979 CAP graduate, began serving on the Board of Trustees in 2011. In that time, he proved himself to be an involved, dedicated leader and supporter for Ball State as he attended hundreds of meetings and events and played key roles in some of the University's biggest projects and initiatives.

Wayne's many contributions include serving on three presidential searches, receiving the honor of being the College of Architecture and Planning's commencement speaker, and assisting with the renovation of the L.A. Pittenger Student Center. As the president of the firm TEG Architects, he was able to provide keen insight on nearly 20 major projects and employed more than 100 Ball State alumni and dozens of interns.

Through his service and commitment to others, Wayne truly represented the spirit of Beneficence and his contributions will have a lasting effect for generations to come.

LEADERSHIP



David Ferguson,
Dean of the R. Wayne Estopinal College
of Architecture and Planning and
Professor of Landscape Architecture



Dr. Tarek Mahfouz,
Associate Dean of the
R. Wayne Estopinal College of
Architecture and Planning and Professor
of Construction Management

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Cover

Ball State Shafer Tower, construction management commencement, CAPAsia, Iris Tello (interior design student), Maring-Hunt Project (Professor Pam Harwood)



THE DEPARTMENT OF Architecture



Andrea Swartz,
Department Chair

Indiana LEED Fellow

Assistant Professor Dan Overbey was elevated to LEED Fellow this past year, the first LEED Fellow in Indiana. Congratulations, Dan!

Solar Decathlon Design Challenge Finalists

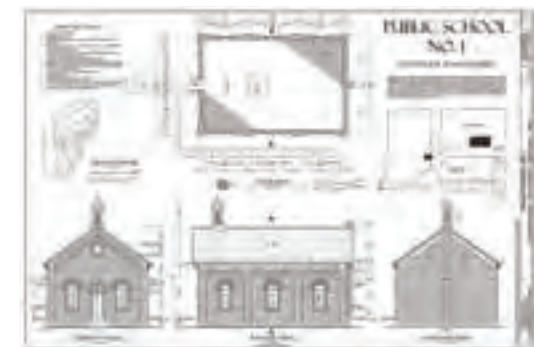
The Spring 2019 architecture design studio taught by Assistant Professor Tom Collins with the assistance of Professor Walter Grondzik and Professor Tarek Mahfouz participated in the U.S. Department of Energy's Solar Decathlon Design Challenge. Two collaborative student-led teams developed net-zero energy ready housing proposals for sites in historic districts adjacent to downtown Muncie with community partners ecoREHAB and Greater Muncie Habitat for Humanity.



Jesse Lindenfeld, 2nd year architect
student's model for ARCH 202

Charles E. Peterson Prize Student Competition

Students in Professor Jonathan Spodek's course placed second in the Charles E. Peterson Prize student competition of measured drawings. The competition is intended to heighten awareness about historic buildings in the United States and augment the HABS/HAER/HALS collection with exemplary students' architectural work in the Library of Congress. The team, comprised of Caitlyn Barhorst, Ashley Danielson, Meaghan Heinrich, Alyssa Reynolds, and Gwen Stricker, researched, documented, and provided measured drawings and written history on Public School No. 1 in Franklin County, Indiana.



Teaching Sustainability

Professor Bob Koester continues to work with educators across the country to establish a voluntary certification program that inspires architecture schools to emphasize the teaching of sustainability so that graduates are competent to contribute substantially to the design of low-carbon buildings. Professors Koester and Walter Grondzik and Assistant Professors Tom Collins and Dan Overbey are working collectively to have Ball State's architecture programs certified by BEENow.

Indiana Main Street Council

J.P. Hall, assistant professor of Historic Preservation, has been named to the Indiana Main Street Council by Lieutenant Governor Suzanne Crouch. Main Street focuses on the importance of place-based economic development and works to stabilize, improve, and revitalize historic commercial cores. In addition to sitting on the council and as the result of a grant from USDA Rural Development, Hall, in partnership with the Indiana Community Institute at BSU, is assisting nine rural communities around the state to assess their downtown business markets to better inform future economic decisions.

MKM Architecture + Design Competition

Each year MKM Architecture + Design in Fort Wayne (whose principals are alumni of BSU) sponsors a design competition for third-year undergraduate architecture students at Ball State. This year, 78 students competed for more than \$4K in cash awards. This year's competition featured the design investigation for a Neighborhood Workforce Training Center on a project site in Indianapolis adjacent to the Monon Trail. Students prepared their competition entries by working individually or in teams of two. The following students were recognized with awards presented by the jury:

The Menze Prize ('best-of-show'):
Noah Gaither and Patrick Ward

Individual Entries:

1st Place: Chris Hamlin
2nd Place: James Juscik
3rd Place: Ben Grayson

Honorable Mention: Alvin Laguerre

Team Entries:

1st Place: Noah Gaither and Patrick Ward
2nd Place: Chase Holloway and Josh March
3rd Place: Grace Bartko and Maria Moore

CAPASIA Entries:
(affordable housing prototypes)

1st Place Tie:

Team 1: Noah Smith, Stephen Smith and Erica Young
Team 2: Jenny Gercilus and Mark Bila

2nd Place Tie:

Team 1: Ellie Morinville and Luis Olguin
Team 2: Alex Storz and Max Jolly

AEG Grant

A BSU Academic Excellence Grant previously awarded to Pam Harwood, Janice Shimizu, and Andrea Swartz continues to support CAP Makes + Muncie Makes programming initiatives connecting the college's interest and expertise in designing and making with the Muncie community.

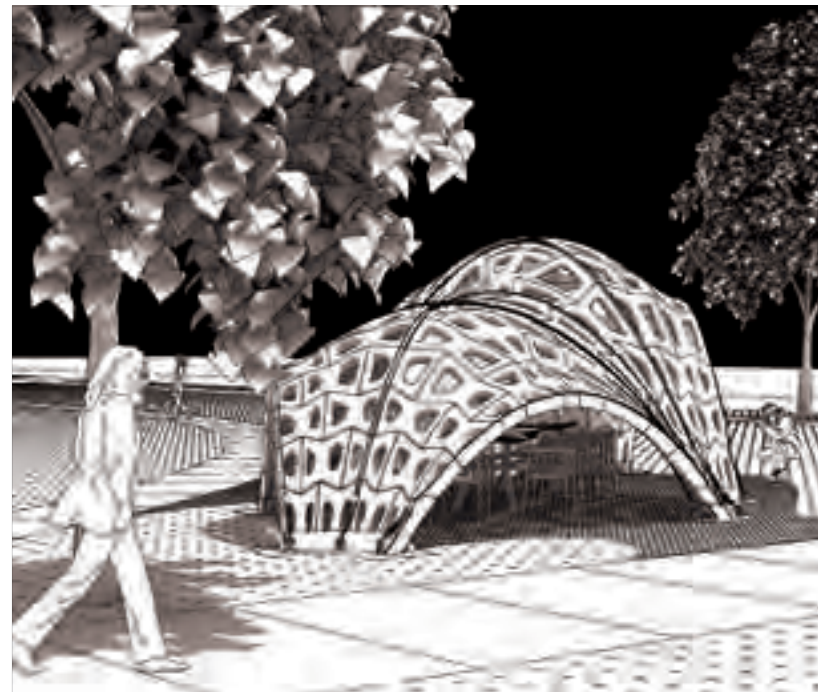
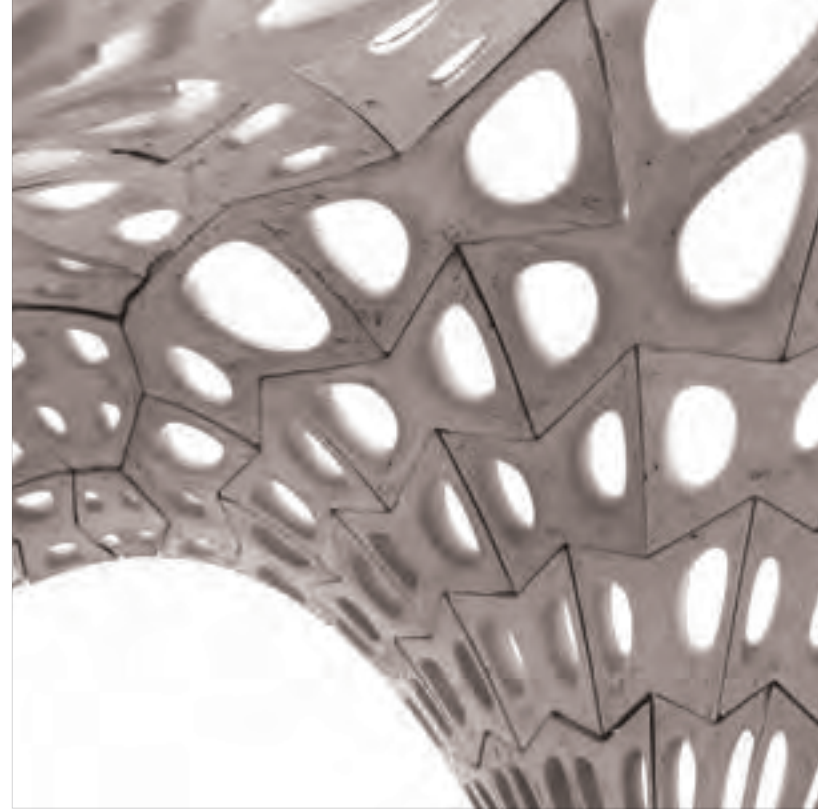
Some of the projects facilitated by the grant and engaging youth and the community this spring and summer semesters include:

- **Motivate Our Minds: We Think it We Make It** an after school club taught by BSU faculty and student mentors.
- **GROUNDworks** an interdisciplinary spring elective taught by Associate Teaching Professor Susan Tomizawa and Assistant Professor Janice Shimizu
- Summer workshops were held with Union Chapel's **SERVE** for the M.O.M. community garden design build.



- **8 Twelve Coalition:** Re-imagining Hoyt Memorial urban design project developed by eight graduate students mentored by Professor Pam Harwood and Assistant Professor Tom Collins; collaborating with community stakeholders Habitat for Humanity, Open Door, and Muncie Mission to consider food access through a neighborhood co-op and aquaponics facility, health and community services in three adaptive reuse buildings and one mixed use new construction.

- **Ross Community Center:** participation in a we build mentoring summer program with elementary school children in southeast Muncie.



Christopher A. Battaglia



Exhibit Columbus

Assistant Research Professor and Design Innovation Fellow Christopher A. Battaglia was selected as one of six 2018-19 University Design Research Fellows for 2019 Exhibit Columbus. The University Design Research Fellowship was created to highlight innovative research by leading professors of architecture and design. Battaglia researches techniques to spatialize concrete through additive manufacturing and digital fabrication techniques. His structure, titled DE|stress, is a vaulted concrete lattice shell that provides an area for collaboration and community gathering. The material qualities are created during the fabrication process with striations of layered concrete and resulting textures emanating from the aggregate sub-surface on which each panel is printed.

He and his students are currently creating the structure to be displayed in Columbus, Indiana, from August 25 through December 6, 2019.



Inspired Design

CAP Grad Jude Irving Chased Her Dream, No Matter How Difficult

By Nick Werner, '03, Content Strategist and Writer

Though small of stature, with huge heart and determination, Jude Irving helped build London's Olympic Village. Jude, BSed '98, is a small person with a gigantic story.

The Ball State Cardinal and former design consultant was born with physical and learning disadvantages so significant that many people would have crumpled under the weight. Instead, like a power-lifter, shouldering those burdens only made Jude stronger.

"It's perseverance," she said.

Jude was born in Clinton, Indiana, with diastrophic dysplasia, a genetic skeletal disorder that leads to short stature and disproportionately short limbs. Later, doctors diagnosed her with dyslexia and attention-deficit disorder.

By 12, though, Jude was determined not to be limited by her circumstances. She wanted to become an architect, inspired to build by her uncle, a construction worker.

Jude graduated from CAP in 1998 with a Bachelor's of Science in Environmental Design. As a sophomore, she traveled to England as part of a semester-long CAP PolyArk tour and fell in love with the country. After college, she moved there and became a leading expert on accessibility and inclusive design.

As a consultant with Buro Happold

Engineers, she helped with the design of the Grand Egyptian Museum in Egypt and the Royal Shakespeare Theater in Stratford-upon-Avon.

She even helped the team developing London's 2012 Olympic Park Master Plan, making sure the park met accessibility standards and that it could meet the needs of athletes in the 2012 Paralympics, hosted on the same site three weeks after the Olympics.

"I was in awe that I was part of it," she said. "This little small-town girl."

After a successful design career in England, Jude felt a need for change and moved back to Indiana. In 2010 she earned a bachelor's degree in art education from Indiana State University. Since then, she has been teaching art education at schools in Vigo and Parke counties.

Architecture is a large part of her curriculum.

"I want them to understand the need to be creative in so many professions," she said. "Being an artist is more than being a painter or sculptor. You can be an architect and be an artist. Otherwise we'd live in caves. Everything around you is designed by an artist. I try to ingrain that in the students."

This fall, her son, Christian, will begin school at the College of Architecture and Planning at Ball State. He, too, is pursuing an architecture degree.

"It humbles me," she said. "I didn't realize I had been that big of an influence on him."

THE DEPARTMENT OF Construction Management & Interior Design



James Jones,
Department Chair

Renovation of Residential Structures

Associate Lecturer Janet Fick's immersive learning course has been working with local non-profits for the past 14 semesters, including Muncie Habitat for Humanity, Urban Light LLC, and Muncie Mission. The students make construction drawings, cost estimates, and design recommendations for renovations and new builds depending on the needs of their partner. Her course includes architecture, interior design, and construction management majors who work collaboratively to give a complete plan to the client.

The most recent project was with the Muncie Mission to provide the construction drawings and cost estimate for a small commercial building in Alexandria, Indiana, that will be renovated into transitional housing for women and a coffee shop that will provide employment for those women. The services provided by the class are free, helping defray expenses to the non-profits.

Fick also started the LEED Lab program at Ball State through a Provost Immersive Learning Grant. LEED Lab is a program established by the U.S. Green Building

Council (USGBC) to engage university students in the process of certifying buildings under LEED Operations and Maintenance for Existing Buildings (LEED O+M-EB®). According to the USGBC, "In the LEED Lab course, students participate in the entire LEED O+M process, choosing one building on their campus that they work toward certifying. These students facilitate the full certification timeline, taking responsibility for leading the documentation efforts and submitting the project to GBCI for review." Courses are registered with USGBC and currently include 38 universities worldwide. This LEED Lab in July 2019 successfully certified the David Letterman Communication and Media Building as LEED-EB: O+M at the Certified level. We became the fifth university to certify a building under LEED Lab. In this course, students from construction management, architecture, and interior design worked together to achieve this certification.



2nd Place 2018 Green Energy Challenge Poster Competition

Construction Management students Michale Delong, Kevin Zielinski, Alisha Heath, and Clayton Berrisford placed 2nd in the National Green Energy Challenge Poster Competition organized by ELECTRI, the research and development division of the National Electrical Contractors Association. The team worked on a proposal to reduce energy consumption in the building owned by Second Harvest in Muncie and presented their poster during the annual NECA convention. Associate Professor Sherif Attallah was the faculty adviser for the team.



John R. Emens Outstanding Senior Award

Construction Management's 2019 graduate Kathy Berryhill was awarded the John R. Emens Outstanding Senior Award. The award was presented at the main Commencement ceremony and recognizes the most outstanding undergraduate senior student for their cumulative record of co-curricular achievement, leadership, and contributions to Ball State University during their undergraduate years.

First and Second Place at NeoCon

Interior Design students Emily Schripsema (right) and Megan Draper (left) came home victorious from the International Interior Design Association (IIDA) student competition at NeoCon in Chicago. Emily's team took first place and Megan's took second.

60 students from across the country, nominated by their faculty, were formed into 12 teams. In an intense design charrette, students had six hours to develop a design solution that included a concept, plans, perspective, materials, and inspiration photos. The design boards were done by hand; technology was not allowed.

The design prompt for Emily's team was a wide corridor in a higher education facility to be designated as a student lounge. After touring the site, designing, and preparing their team's presentation, they only had five minutes to present to a jury. Emily said, "My team ended up going with a concept of academic sustainability. We focused on disbursing welcoming areas for every type of student and incorporated lots of natural materials and biophilic elements. We also took sustainability in a different route, envisioning our space to be a place where students and alumni can create mentor relationships. We wanted to encourage the cycle of student-graduate-professional-mentor, creating a stronger connection to the community."



100%

Construction Management has maintained **100% job placement** in the industry for graduating students for the past **5 years**.

Let's Build

Learning Construction Early

By Christine Rhine, '89 BS '18 MA, Administrative Coordinator, CAP

Most days you'll find Jennifer Warrner teaching technical communications to Ball State University students in construction management courses. But on Wednesday afternoons, she transforms into a kindergarten teacher surrounded by 20 tiny charges, all sitting cross-legged on the carpet watching with wide eyes as she reads children's books about building and demolition.

Warrner, '04 MA '05 EdD '18, associate lecturer in construction management, has been volunteering in Jeanne Laspina's Longfellow Elementary School classroom for 15 years. Since 2016, she's been teaching Let's Build, a curriculum she developed herself, each semester utilizing Ball State students as teachers helpers. The students build relationships with the Longfellow children as they glue models together and construct delicious snacks.

"Being involved in the community is important to me, and I also think it's important that Ball State students are actively engaged in Muncie while they're in college," says Warrner. "Let's Build is a great way for Ball State students to have a positive impact on elementary students in Delaware County. I'm consistently impressed their work each semester."

Ball State sophomore Hayden Castor, a construction management major from nearby Selma, Ind., is a middle child who looked up to his two older siblings as much as he enjoyed mentoring and teaching his two younger siblings. Those early lessons and the knowledge that the construction trades are in need of more interested workers made him eager to join Warrner's class.

"It's fun to see the kids learn to count and to say their ABC's and to tell them, 'hey

we use that in construction, and it's really important," he says.

Laspina is thrilled that her kindergartners are learning new vocabulary words each week and getting some extra attention from the BSU students along with the free books Warrner's grant monies supply. She says the children look forward to Let's Build all week. "I tell them every Tuesday that tomorrow is construction day, and this week one little girl said, 'I wish it was tomorrow now.'"



Warrner's construction management students Joe Mattick (top), Mark Pavlak (bottom left), and Jared Ripley (back right) are a few of the students that helped with the Let's Build class.

Autism Research

Shireen Kanakri, associate professor of Interior Design, received funding through a Provost Immersive Learning Grant to begin Phase II for the Children's TherAplay Institute in Carmel, Indiana. In Phase I, TherAplay worked with Schmidt Associates to adopt Kanakri's lab research and design proposal for the new facility to address the effects of sensory stimuli on children with autism.

During Phase II, Kanakri will be designing and testing furnishing for a new sensory room in the facility. The furniture pieces will be manufactured at Ball State using the recommendations from her research conducted in her Health Environmental Design Research Lab at Ball State.

Kanakri also received the Best Paper Award on her paper titled, "Healthy Environments for Children with Autism" at the World Congress on Pediatrics and Clinical Pediatrics in Edinburgh, Scotland.



THE DEPARTMENT OF Landscape Architecture



Associate Professor Martha Hunt has been newly appointed as Landscape Architecture's department chair. Hunt has been with the department since 1993.

Community Design + Build

In the spring, Colby Gray's students designed and began constructing an Environmental Education Plaza at Wilderness Park in Hartford City. The project includes a gateway feature, a bird blind, and a paved gathering area for small groups. The development spans a stream and connects a recently installed 4-acre prairie to an existing 40-acre forest. Design details narrate a butterfly's metamorphosis as caterpillar (existing bench), cocoon (gateway), and butterfly (bird blind). The project is guided by Teresa Henderson, Hartford City Parks Department, and Lisa Weeks of Blackford Initiative.



Faculty

- Professor Malcolm Cairns was elected as chair of Indiana Landmarks Historic Cultural Landscape Committee.
- Associate Professor Robert Baas has co-written a book with Darrin Rubino of Hanover College, *Dating Buildings and Landscapes with Tree-Ring Analysis: An Introduction with Case Studies*. The book was released June 1, 2019.

Students

- Maddie Clark, a 5th year LA student, is the recipient of a Ball State 2018 Bernadette H. Perham Scholarship for demonstrated academic excellence and leadership.
- Anne Toomey, a 5th year LA student, received the Indiana Chapter of the American Society of Landscape Architects (INASLA) Award of Excellence in the planning and analysis category for her Therapeutic Trail Design submittal. Faculty mentors were Robert Baas and Jim Sipes.



IN MEMORIAM

John R. Russell

Professor Emeritus of
Landscape Architecture

John Russell passed away in April. He was one of the first landscape architecture faculty to arrive at CAP and under his leadership as chair, he laid the foundation for the successful program that it is today. He was awarded the Sappenfield Award in 2018 honoring faculty who provide students with exceptional education and convey a passion for the profession.

LA students visited the San Antonio Confluence Park during field trip week. Photograph LA Professor Malcolm Cairns



CAP:INDY

New Location and New Center

CAP:INDY, having out-grown its previous location, has a new home: 25 North Pine Street on the former Angie's List campus on the Washington Street corridor in Indianapolis.

With this move, CAP strengthens its commitment to the city of Indianapolis and benefits students by expanding curricular offerings. In addition to hosting the one year Master of Urban Design program, now being administered through the Department of Landscape Architecture, the Master of Architecture program will place the first year of its two-year program at the CAP:Indy location. Also beginning in the fall will be the new Center for Civic Design.

The Center for Civic Design (CCD) is a hub for education, activity, and advocacy about the interdisciplinary, built-environment disciplines across planning, development, design, and construction necessary for creating cities, towns, neighborhoods, and places. The City of Indianapolis, its neighborhoods, and the larger metropolitan region will be its primary focus area.

The center will be ground zero for educating the R. Wayne Estopinal College of Architecture and Planning's students through interdisciplinary and collaborative experiences alongside experts, professionals, and stakeholders to bridge divides between our professional organizations, between public and private interests, and between built environment professionals and the public.

In recent years, CAP:INDY, part of the Estopinal College, has grown to require more space than the former Ball State Indianapolis Center at Meridian and Maryland could offer, said Dave Ferguson, dean of Estopinal College.

"The Pine Street location offers the space, technology, and configuration CAP:INDY needs," Ferguson said.

"Our partners in Indianapolis will have access to the expertise and resources of one of the most comprehensive and largest environmental design colleges in the country. I look forward to this next chapter for CAP: Indy and the innovation it will bring," said Ball State President Geoffrey S. Mearns.



Justin Ferguson is the assistant dean for CAP:INDY programs and leads the College's off-campus programs in Indianapolis. He serves as the executive director of the newly created Center for Civic Design, the college's center for outreach and engagement in Indianapolis.



Joe Blalock is the newly appointed director of the Master of Urban Design (MUD) program at CAP:INDY and associate professor of landscape architecture.



Helping Homeless Veterans

Urban Design students have designed a plan for a community of tiny homes for veterans on the site of a former mobile home park in Indianapolis.

The project was the brainchild of Tony Roberts who started Steadfast Indiana in 2016 to provide homes for veterans. Roberts had noted the low supply of privately-owned apartments and homes that meet quality standards for rental-assistance by the U.S. Department of Housing and Urban Development's Veterans Affairs Supportive Housing program.

In Indianapolis, more than 50 veterans are homeless despite having government vouchers to help pay for housing. Some live on the streets. Most live with friends and family, in spare bedrooms, or on couches, while others live in motels or missions, said Roberts.

Roberts secured a location, the former Shady Pines Mobile Home Park. The property was in foreclosure so Steadfast was able to purchase it at an affordable price. Roberts approached Justin Ferguson, assistant dean for CAP:INDY programs, for help in designing comfortable and affordable housing that promoted neighborly interaction for the veterans.

Five students in the Master of Urban Design program submitted designs for Steadfast. "The designs were outstanding", said Roberts.

As of Spring 2019, Steadfast was securing necessary permits and had chosen a design by Brendyn Cyrus, BUPD '18 MUD '19, for construction. Cyrus' design provides different levels of public and private space that will foster different levels of community and relationships for the veterans. The tiny homes, each about 600 square feet, are clustered in sets of three and share a common space. Each house will cost about \$15,000 and will take two weeks to build.



THE DEPARTMENT OF Urban Planning



Associate Professor Scott Truex has been newly appointed as chair of the Department of Urban Planning. Truex joined the faculty over three decades ago and has been engaged in Muncie and community outreach. In his new role, he will focus on building alumni relationships and looking for new ways to connect students with alumni.

APA Outstanding Student Project

"Muncie Action Plan 3" won the Outstanding Student Project award at the American Planning Association (APA) Indiana spring conference. Students Mary Banning, Josh Campbell, Matt Dixon, Tiffany Gehrke, Kenta Lanham, Alec Pormen, Steven Stransky, Mallory Thatch, and Suhui Xu worked with Instructor Lisa Dunaway on the updates to the city's neighborhood planning document.

Partnership

Our second-year studio partnered with Madison County Council of Governments. Neil Stevenson, a BUPD graduate, taught the class for us, and students presented

in Anderson to the MCCOG staff. MCCOG is a long-time partner, offering internships and graduate assistantships and employing several of our graduates.

APA Conference

The Department of Urban Planning's booth at APA this spring featured posters promoting alumni accomplishments. Chair Scott Truex and Assistant Professor Sanglim Yoo with Associate Professor Lohren Deeg and Instructor Lisa Dunaway enjoyed catching up with friends and alumni in the vibrant space.



Field Trip Week

The fall field trip week saw our students touring rust-belt cities Gary and Detroit to our north and bustling Cincinnati and Louisville to our south. While in Cincinnati, students and professors took part in the Ohio-Kentucky-Indiana APA conference events. In spring, Prof. Nihal Perera teamed up with Tim Gray, professor of architecture, to undertake CapAsiaX. Fifteen Ball State University students worked in communities in Thailand and Laos during the immersive semester abroad.

CAP students standing on an elevated bamboo sidewalk over a rice field near Sukhothai, Thailand.



IN MEMORIAM Francis Parker

Former chair and long-time professor Francis Parker passed away unexpectedly in March. He was much beloved and is sadly missed. He moved to Muncie in 1976 as one of the four original faculty members of the department and taught until his retirement in 2013. His memorial service in early April was packed with faculty, alumni, railroad enthusiasts, family and friends.

Muncie Land Bank

John West, assistant professor of urban planning, is the founding chair of the Muncie Land Bank, the first of its kind in Indiana, enacted under a state law passed in 2016. West hopes the land bank can find productive reuses for abandoned and tax delinquent properties and can be a model for how small and mid-sized cities in Indiana can coordinate efforts to address abandonment.

The effort involves the Delaware County Commissioners, the Muncie City Council, the Ball Brothers Foundation, and Ball State University. Abandoned houses and vacant lots depress property values, reduce local tax rolls, and receive much higher rates of police and fire emergency response. Moreover, Munsonians struggle with homelessness at the same time that over 1,000 houses sit empty.



Connect with us on
LinkedIn, BSU Urban
Planning.

Faculty

- Lohren Deeg, associate professor, received a service award from the Ball State University Council on the Environment for his six years of work on behalf of the council.
- After nine years teaching in the department, Instructor Lisa Dunaway is leaving the university to grow her private consulting firm. She is best known for leading approximately 20 immersive learning projects including many that produced neighborhood action plans.
- Professor Nihal Perera was a finalist for the IIE's Andrew Heiskell Award for Innovation in International Education and a distinguished visiting scholar at University of Alberta, Edmonton, Canada.
- Assistant Professor Sanglim Yoo's Brownfields to Brightfields: Analyzing Solar Potential of Brownfields in Delaware County, Indiana, was featured in the International Sustainable Campus Network journal.
- Professor Michael Burayidi served as editor of a volume on urban resilience that will be published by Routledge in 2019.
- Professor Bruce Frankel presented his research on "Reinstituting Economic Development as a Public Good" remotely to a conference in Singapore.



BallStateUrbanPlanning



Planning for the People

A Student CAPAsia Experience

By Madison Lindsay, Urban Planning Sophomore

In January of 2019, I embarked on a study abroad trip to Southeast Asia in Thailand with the Estopinal College of Architecture and Planning. This trip changed my life in so many ways but I will touch on just a few.

I was extremely impacted and changed by the way people in Thailand were less concerned with their own priorities and schedules and more concerned with working with others and making the most of their time during the cooler parts of the day. Through this, I learned that sometimes your environment is more important than your personal interests. This philosophy translates to a planning mindset as well.

The group at my home stay in Thailand worked to create a play area for the children of the community who had nowhere to gather and would often play in the streets. We spent most of our time observing how people interacted, what they sold, and how the location we eventually designed was typically utilized. Because we took more time to observe and communicate the people's needs rather than build based on our own biases, we generated a more successful project.



We built a swing set and a bench away from a busy intersection where children often played. The locals embraced our project by helping us build and showing us where to purchase or make supplies. Furthermore, after the project was completed, the community continued to build a seesaw and a wall structure to accompany the swing set and bench.

CAPAsia taught me that listening and learning are the first essential parts to making a decision for a group of people as a planner.

*The swing set and bench was constructed of bamboo and built by CAP students.
Photo by Madison Lindsay*

100 Years

Ball State's Centennial Celebration Year Comes to an End

This past year we enjoyed many events honoring Ball State's centennial. During the course of the year each college had a designated showcase month. In May, CAP showcased our tradition of student design + build projects, honored our campus history of architecture, and gave recognition throughout the year to our alumni.



Alumni Social Media Campaign

We wanted to give back and celebrate our alumni and their accomplishments. Throughout the school year CAP ran an "Alumni Around the World Wednesday" social media campaign spotlighting alumni. Alumni shared their favorite projects, gave advice to current students, and shared their travel experiences while a CAP student. A big thank you to all who participated! You can still visit Facebook, Twitter, and Instagram to read alumni submissions @BallStateCAP.



Design + Build "Flock"

Architecture students Lauren Hunter and Katie Gordon in Assistant Professor James Kerestes' ARCH 593 course created a design+build project "Flock" (left) for downtown Muncie.

"Flock" was a temporary installation that reads as an object but is made up of discrete parts just as Muncie is a collective of cultural backgrounds that come together to form a community. The students explored fabrication methodologies, various materials, and digital model making techniques (laser cutting, 3D printing, CNC milling) with qualitative/quantitative analysis to form the final structure. The project was supported by the College in collaboration with DWNTWN_Muncie Downtown Development Partnership.



The Power of Place

"The Power of Place: 100 Years of Architecture at Ball State University" showcased the ways Ball State's campus architecture has changed and how the past still shines through.

Rebecca Torsell, archivist for architectural records at Ball State, organized the exhibition to embody the idea that even though Ball State's built environment has greatly changed over time by adding new buildings constructed with modern materials, our past is forever present. The exhibition allowed visitors to take a walk back in time for a glimpse into the university's past architectural transformations, with a time-line of photos, videos, a model of the CAP Tower, and 3D replicas of the unique tiles used in the Fine Arts Building.

CAP's Institute for Digital Intermedia Arts Lab recreated the tiles using photogrammetry techniques and created the tiles as virtual 3D models that were then printed using a fused deposition modeling 3D printing process and displayed as portable replicas.

INSTITUTE FOR Digital Intermedia Arts

The IDIA Lab is a division within the Estopinal College that explores the intersection of digital and physical design.

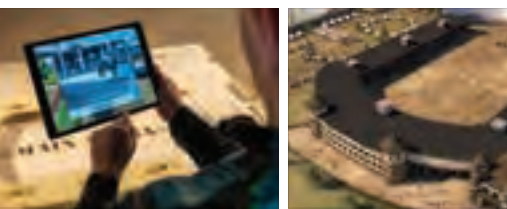


Buffalo Bill Wild West Virtual Diorama

Cowboys and Indians captivated the country when Buffalo Bill's Wild West rolled through America in the late 1800s and early 1900s. More than a century later, CAP's IDIA Lab's scholars and digital artists have brought his 1894 stadium in Brooklyn, New York, to life via a 3D diorama and an augmented reality app.

Destined for the Buffalo Bill Center of the West in Cody, Wyoming, the display will allow museum goers to point their smart phones at the diorama to bring the scene to life with blazing campfires, a reenactment of the Deadwood Stagecoach Robbery in the grandstand, and crowds milling about, giving a richer experience of what the show was like.

To produce the experience, IDIA Lab created animated models of the grandstand, teepees, and huts. They also created a menu users can access to learn more about the show via text, source photographs, and archival materials. The physical white model was created by printing and cutting the digital models with a laser cutter and 3D printers to construct the diorama elements. The team used archival photos, drawings and textual information to create a historically accurate interpretation.



State-of-the-art Virtual Reality Theater

The facility, also known as CAVE (Cave Automatic Virtual Environment) was created as a custom solution in collaboration with the Elumenati - a design and engineering firm specializing in advanced visualization environments and experiences. The CAVE, located on the ground floor of Estopinal College, positions Ball State research and design in an elite cohort of international universities and institutions that support next generation visualization. The theater consists of a custom designed curved immersive cyclorama - surrounding viewers in an expansive 270 degree, 25 foot diameter, 11 foot tall circular environment of 3D content. The seamless screen is front projected with spatialized sound coming from a custom designed 8.1 surround sound environment. The system provides architects, designers, scientists, and scholars a platform to dynamically and immersively engage research and teaching for dozens of simultaneous participants.

The Firm in Residence

CAP completed its second year of partnership with SmithGroup as the CAP Firm in Residence. Over the fall semester, eight CAP studios across three disciplines worked side by side with SmithGroup professionals to undertake a re-thinking of the Chicago Stockyards. During the spring semester, twelve SmithGroup mentors (which included alumni Troy Thompson, Kevin Johnson, and Michael Johnson) from different disciplines within the DC, Chicago, Detroit, and Ann Arbor offices worked with students in ARCH 400, a comprehensive architecture studio taught by Assistant Professor Janice Shimizu. Mentors (architects, mechanical and urban systems engineers, urban planners, and landscape architects) had monthly video conference design sessions to engage with students during initial programming through building design development. The spring studio investigated a variety of programs on sites along Washington Street in downtown Indianapolis.

The firm in residence model will be expanded in the future to include other firms and experimental forms of pairing professionals with students.



Salesforce Transit Center and Park photo provide by Pelli Clarke Pelli.



Sappenfield Lecture

The 2019 Sappenfield Lecture was a joint presentation delivered by lead designers from two firms and two disciplines. Mark Shoemaker, a principal at Pelli Clarke Pelli, and Adam Greenspan, lead designer for PWP landscape architects, who discussed their eight-year collaboration on the Salesforce Transit Center and Park in San Francisco. One of the key components of the talk focused on the symbiotic relationship among professional disciplines necessary to complete a complex long-term project.



Left: Deb Kunce, Joseph Vance, Kevin Johnson, Catherine Baker, Keith O'Connor, Dave Ferguson, Robert Slavens, Jeff Bergman, Gregory Erny, Dean Illingworth

Congratulations to the 2019 Alumni Award Winners!

Visit the BallStateCAP YouTube Channel
to view the videos of the award recipients.

To find the CAP Channel go to YouTube
and search **Ball State CAP**.



Distinguished Alumni Award

Catherine Baker, AIA

Partner, Landon Bone Baker Architects

Gregory Erny, FAIA, NCARB, Hon. FCARM

Owner, Principal, Architects + LLC

Dean Illingworth, FAIA

Deputy Director, Indiana Dept. of
Natural Resources

Keith O'Connor

Urban Design Practice Leader, Skidmore
Owings and Merrill

Outstanding Achievement Award

Jeff Bergman, AICP

Planning Director, City of Columbus

Kevin Johnson, AIA, LEED AP BD+C

Principal, Architect, SmithGroup

Robert Slavens, PLA

Landscape Architect, Human Nature Inc.

Joseph Vance, AIA

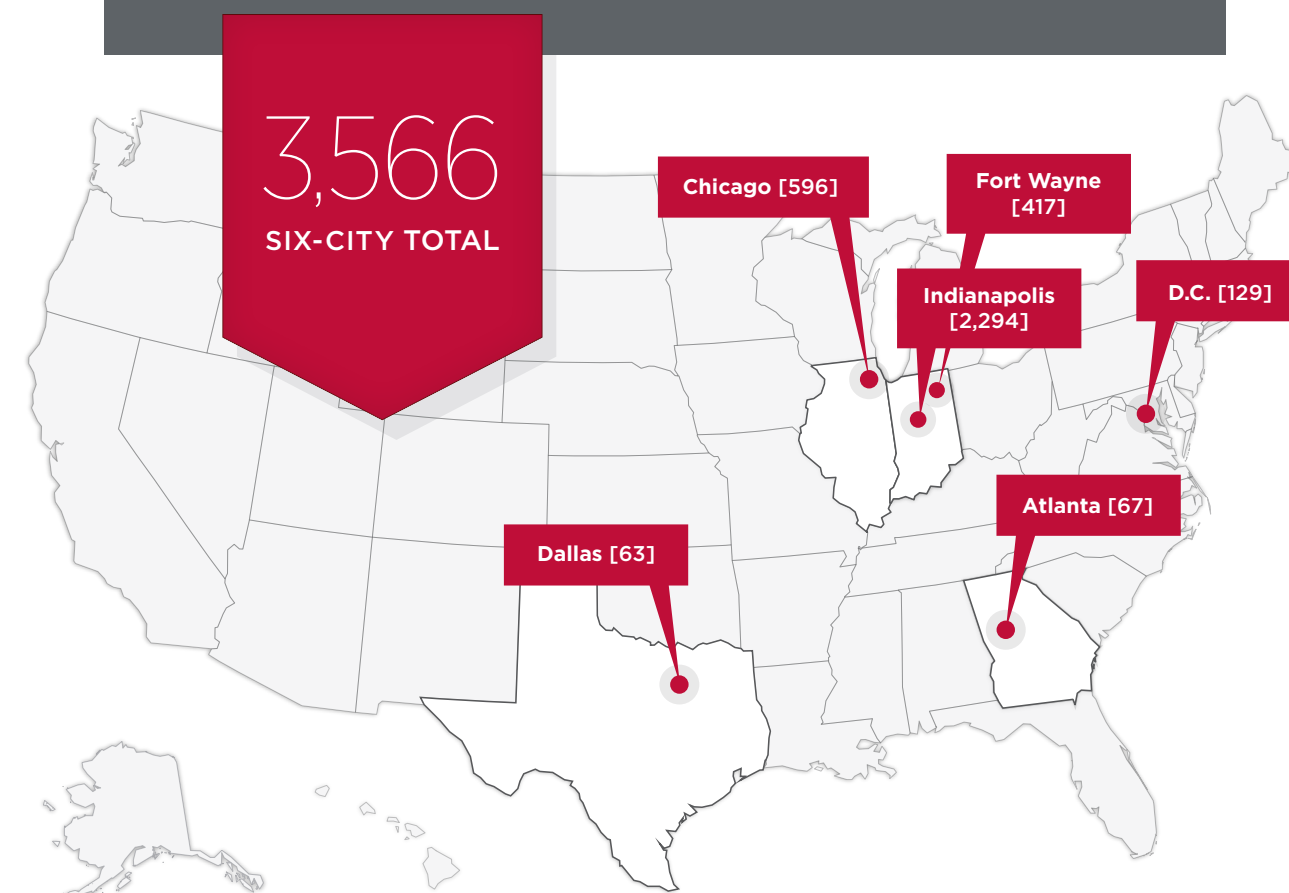
Principal, Joseph Vance Architects

Six-City Alumni Outreach



In his role as director of development for CAP, Roger Neuenschwander is leading the charge to create alumni outreach events with help from Executive Advisory Board members and other leaders in Atlanta, Washington D.C., Dallas, Chicago, Fort Wayne, and Indianapolis. These events will occur in the next six months with more cities being added in the future. The intent is to foster connections among CAP alumni and to link them more closely to the college's current activities. In addition to these events, CAP will assist with receptions at upcoming national meetings such as AIA, ASLA, and APA.

Stay tuned to our social media posts for upcoming events.





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