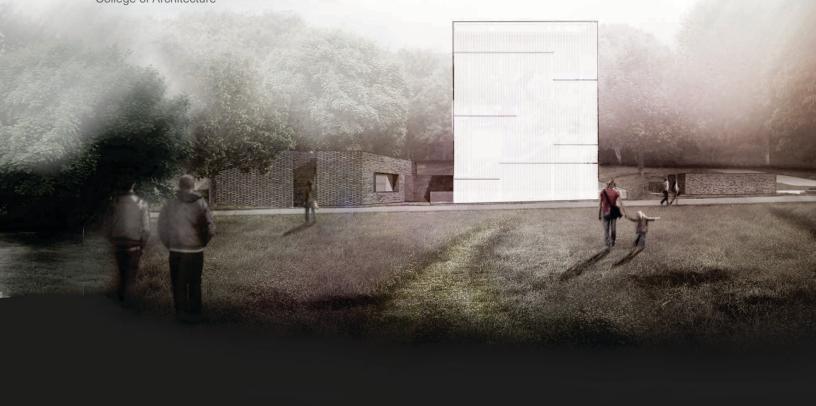
# 2018 SGH / Dri-Design Scholarship



#### Spring 2018

Arch 411 Architectural Design Studio: Integrate University of Nebraska-Lincoln College of Architecture





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#### University of Nebraska-Lincoln

College of Architecture 232 Architecture Hall Lincoln, NE 68588-0107 (402) 472-7943

architecture.unl.edu

#### Spring 2018

#### Arch 411 Architectural Design Studio: Integrate.

Continuation of complex problems as it relates to the integration and consideration of environmental stewardship. Emphasizing technological considerations as formal and organizational influences including technical documentation, accessibility, site design, life safety, environmental systems, structural systems, and building envelope systems and assemblies.

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#### Photographs.

All photos by Craig Chandler, Director of Photography, University of Nebraska, Office of University Communications unless otherwise noted.

#### Sponsors

- 18 Award of Excellence: Rachel McCown and Danny Ortega
- 26 Award of Honor: Landon Beard and Megan Peterson
- 34 Award of Merit: Aaron Culliton and Yilie Wang
- **42** Award of Merit: Shayla Dick and Kristina Schneider

The College of Architecture at the University of Nebraska-Lincoln, in partnership with SGH (A Division of SGH Redglaze Holdings Inc.) and Dri-Design, has established a student scholarship competition for the fourth-year, undergraduate, architectural design studios. The scholarship recognizes student projects exemplifying outstanding design investigation, resolution, and significance. This opportunity brings together aspiring architects and industry leaders to advance disciplinary knowledge of design, materiality, and innovation.

Following the end-of-semester review, one project from each studio is selected to compete for the SGH (A Division of SGH Redglaze Holdings Inc.)/Dri-Design Scholarship. These projects are presented to an external jury who are all established practitioners in their fields. A finalist is chosen for producing and communicating a comprehensive architectural project that is a result of design decisions at different scales. To be successful, students demonstrate a high degree of professional dedication, rigor, open-mindedness, and resourcefulness. Projects are rigorously developed and clearly communicate the breadth and depth of investigation.

We thank our sponsors SGH (A Division of SGH Redglaze Holdings Inc.), a leading distributor and installer of customized building products, and Dri-Design, a producer of advanced and sophisticated metal wall panel systems.

Spring 2018 - Architecture Design Studio Faculty
Mark Bacon, AIA, Design Director / Senior Associate, BVH
Architecture, Adjunct Professor of Architecture, University of
Nebraska

Jason Griffiths, Assitant Professor of Architecture, University of Nebraska

Marc Maxey, Partner, Field Day, Lecturer of Architecture, University of Nebraska

David Newton, Assitant Professor of Architecture, University of Nebraska



#### SGH (A DIVISION OF SGH REDGLAZE HOLDINGS INC.)

For nearly 70 years, SGH has supplied the highest quality products and expert installation services to commercial builders throughout the Midwest. We are a leading distributor and installer of customized architectural products for the exterior and interior of buildings. From the initial idea to the final details, we have the resources to successfully execute projects of any size.

We have an intricate knowledge of how the products work and the best way to install them, which gives us a unique expertise our customers desire. We collaborate with owners, architects and contractors to ensure that products look stunning from concept to completion.



#### **DRI-DESIGN**

Founded in Holland, Michigan in 1995, under the leadership of President Brad Zeeff, Dri-Design has turned the Metal Panel Industry on its ear. With Dri-Design, Zeeff set out to solve what he viewed as the significant shortfalls of traditional metal panel systems: delamination, staining due to the effects of weather on joints and gaskets, a lack of color and texture options, the rising cost of production and inefficient installation practices.

The result of Dri-Design's meticulous engineering, is a 100% recyclable, pressure equalized rain-screen, architectural metal wall panel system that attaches to nearly any substrate without the use of clips or extrusions. The pressure equalized rain-screen design can be installed simply over commercial grade Tyvek onto plywood, or as the most sophisticated outboard insulation pressure equalized rain-screen you can design.

We would like to thank Jason Zeeff of Dri-Design for his continued support of the college and students.



**CHRIS BARIBEAU** 

modus studio

Chris Baribeau is the Principal Architect and co-founder of modus studio, a young and progressive design collective. Based in Fayetteville, Arkansas, modus has contributed a broad range of award-winning design projects since its inception in 2008. Along with its companion fabrication lab, the firm bridges the profession with architectural, prototyping, and fabrication work. As firm leader, Chris draws daily inspiration from his place, the threshold between the natural and man-made world of the Ozarks.



**ROBERTO DE LEON**de Leon & Primmer Architecture Workshop (DPAW)

Roberto de Leon is a partner and co-founder of de Leon & Primmer Architecture Workshop (DPAW), an award-winning design studio focusing on public projects with a cultural, civic or not-for-profit basis. His work operates at a range of scales and environments - both urban & rural - and has been exhibited & published nationally and abroad. In 2016, Roberto was elevated to The College of Fellows of The American Institute of Architects.



**JEN MAIGRET**PLY+ architecture, urbanism, and design

Jen Maigret's education and professional experience within the fields of biology and architecture inform her design expertise and approach to architecture as a component of broader environmental systems. Maigret was previously a partner in the trans-disciplinary, collaborative practice, MAde-studio LLC, and brings over 10 years of experience with projects ranging from regional green infrastructure analyses to fabricated architectural elements of public spaces to her new position as Principal at PLY + architecture, urbanism and design.





## PRE-DELIBERATION









## **DELIBERATION**









## **ANNOUNCEMENT**













## **Excellence**

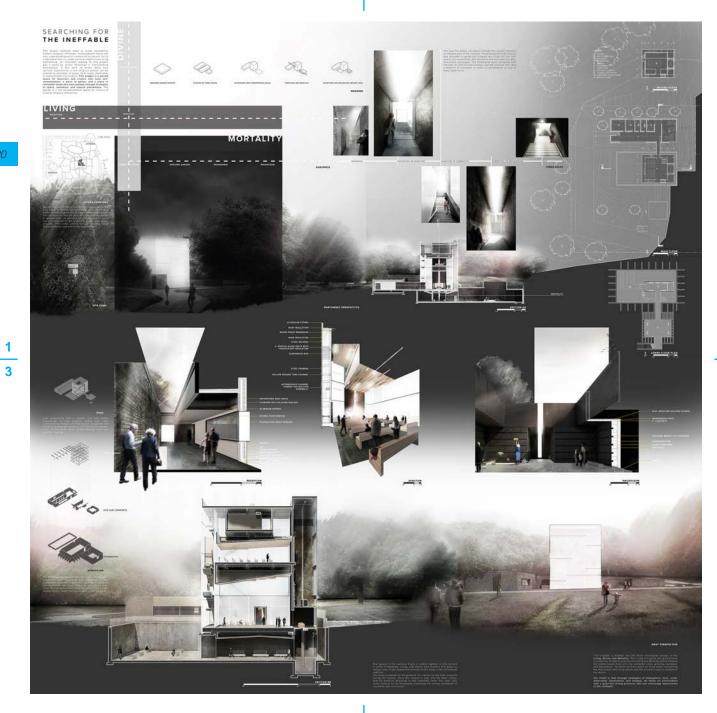
## Searching for the Ineffable

Rachel McCown and Danny Ortega Faculty Mentor: Mark Bacon

This project explores ways to evoke sacredness without religious affiliation. It is a sacred space for mourners and visitors who seek self-contemplation, a place to gather, and a place to remember those who have passed, through strategies of space, sensation, and natural phenomena. The design is a non-denominational space for visitors of diverse religious affiliations. Three main programs drive the form and division of the buildings with connecting points between each one. The reception, sanctum, and mausoleum work simultaneously to create a sequential experience using material qualities and light. One main conceptual moment happens in the sanctum where the casket of the deceased is placed on a ceremonial platform, and descends to the room below after the service. This was intended to bring importance not only to the circulation of the visitor, but also to the body. Our intent is that through strategies of atmosphere, form, scale, materiality, illumination, and shadow, we foster an environment with a guiet but strong presence that can encourage experiences of the ineffable.









## SEARCHING FOR THE INEFFABLE This project explores ways to evoke sacredness without religious affiliation. Investigations led to not only understanding what it measts to be sacred, but to only understanding with at measts to be sacred, but to any understanding with a final-size of the sacred of

This project explores ways to evoke sacredness without religious affiliation, investigations led to not only understanding what it means to be sacred, but to understand how to create spiritual experiences using architecture. An important reading for this project was a pace by Juhani Pallasmas in Transcending was pace to provide the project was a pace to provide the project was a pace to provide the project of the project o







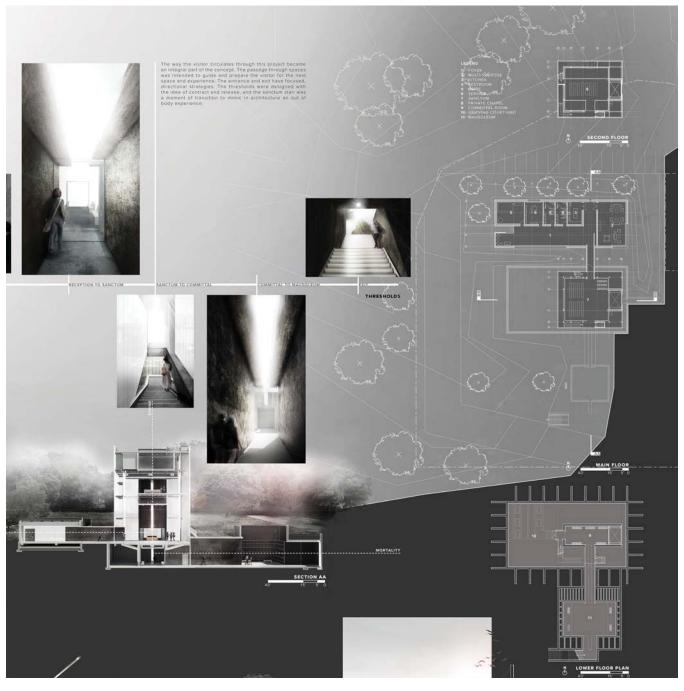




MASSING







McCown + Ortega | Board 2





## Honor

### The Future of Sprawl

Landon Beard and Megan Peterson Faculty mentor: Marc Maxey

The year is 2100. Suburbia is rapidly consuming the countryside leaving it unable to cater to the flourishing population. In order to accommodate this unprecedented growth, the invention of land is necessary. The only choice is to grow outwards by growing upwards. The only way to perpetuate sprawl is through the designing of new ground. The new ground is manufactured – it rises above us; we are longer confined to the surface on which to live.

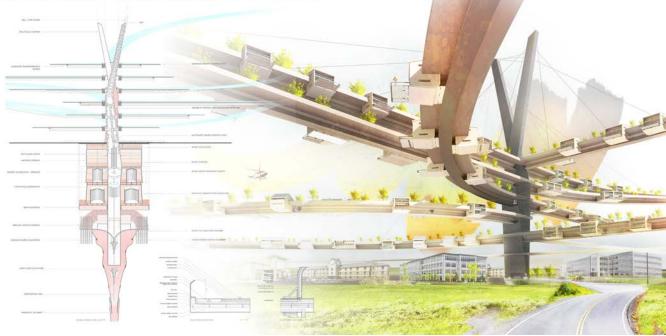
Old ground becomes densely organized with commercial amenities for those who reside above, generating a landscape fit for society's reliance on consumerism. Elevated surfaces create an interwoven matrix, blurring our realities of the urban condition. We live on these surfaces under the illusion of suburbia. Verticality has suspended our disbelief. From below we see a complex of serpentine surfaces; from above a serene suburban neighborhood where technology allows us to transcend the ground plane. This new spatial condition epitomizes Rem Koolhaas's idea of the 'Culture of Congestion," where independent lifestyles exist in close proximity, promoting a local culture derived from unique social intercourse. This infrastructure design generates a layered framework which embraces chaos, granting the individual the freedom to express their individuality.

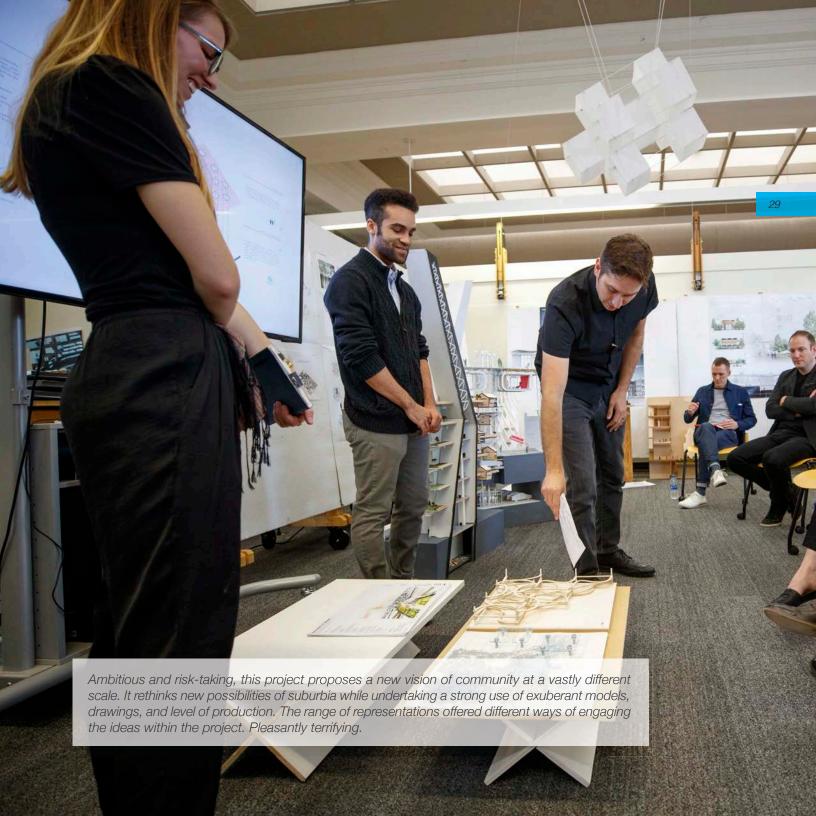
This alternative urbanism is neither a dense city nor a sprawling suburb, it exists in between. It creates a suburban mimicry guided by vertical urban density. It leverages its horizontal appetite with a structural system allowing for simultaneous vertical growth. This is the successor of non-urban living; this is the future of sprawl.

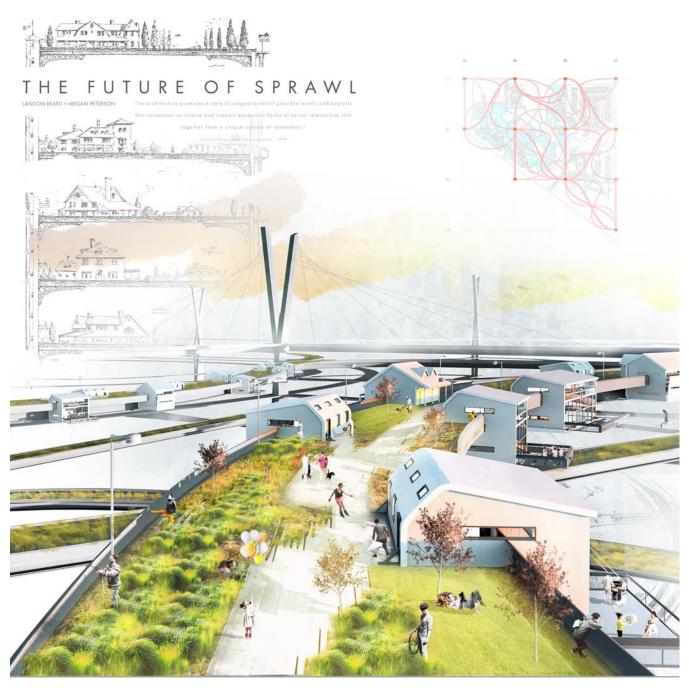




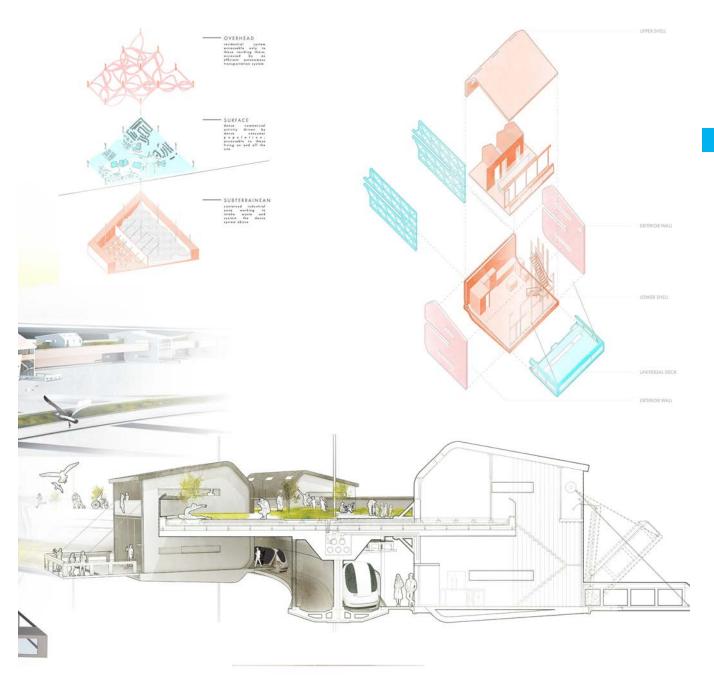




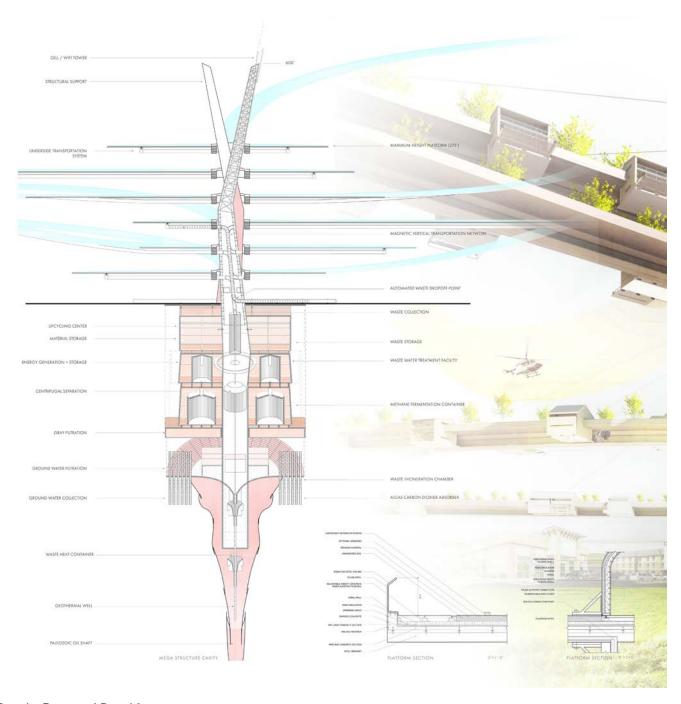


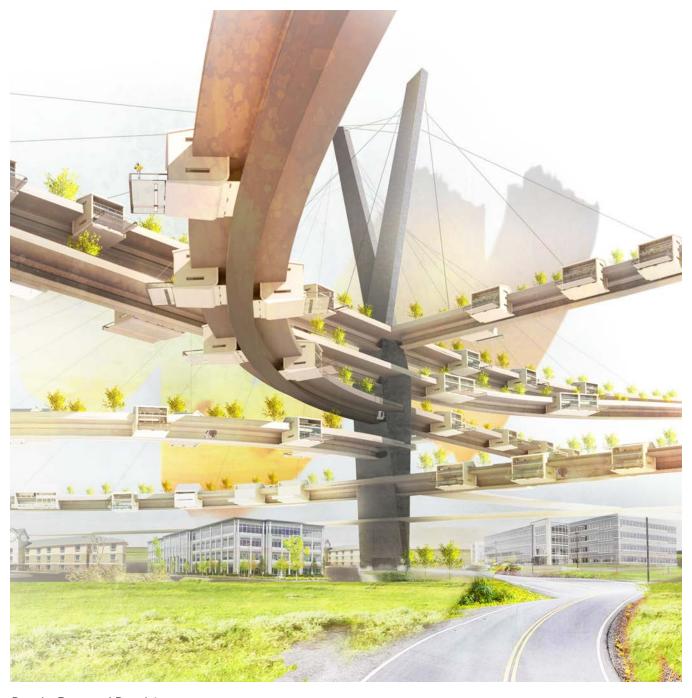


Beard + Peterson | Board 1



Beard + Peterson | Board 2





Beard + Peterson | Board 4

## Merit

### **DSGN** Integrate

Aaron Culliton and Yilie Wang Faculty Mentor: Jason Griffiths

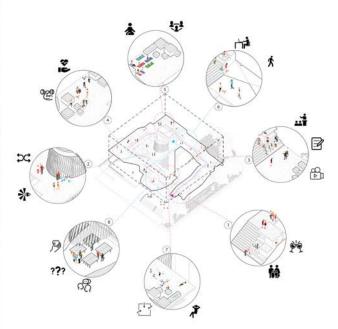
The building is built around the cultures that both the Museum of walking and B-Corp companies share and foster. Community, and outreach are the main focuses of the design. At the center of the building sits an atrium clad with bent cedar that cascades upward towards the sky. There is an intended visual connection between floors from the podium level through the offices finally connecting to the apartment levels. This connection enhances the narrative of community and can be experienced as you ascend on the elevator. The Museum of Walking encompasses the building from the outside, wrapping around each program as it moves vertically. It is more than just a space for artifacts to be curated. It is a culture, an ideal meant to be explored and discovered. It celebrates the movement and community shared by the people who bring the building to life. Where the atrium pulls the project together form the inside, so does the Museum of Walking from the outside. The Museum of Walking takes the visual connections of the atrium and makes physical bridges between them while promoting healthy lifestyles and staying true to the encompassing importance of the community.





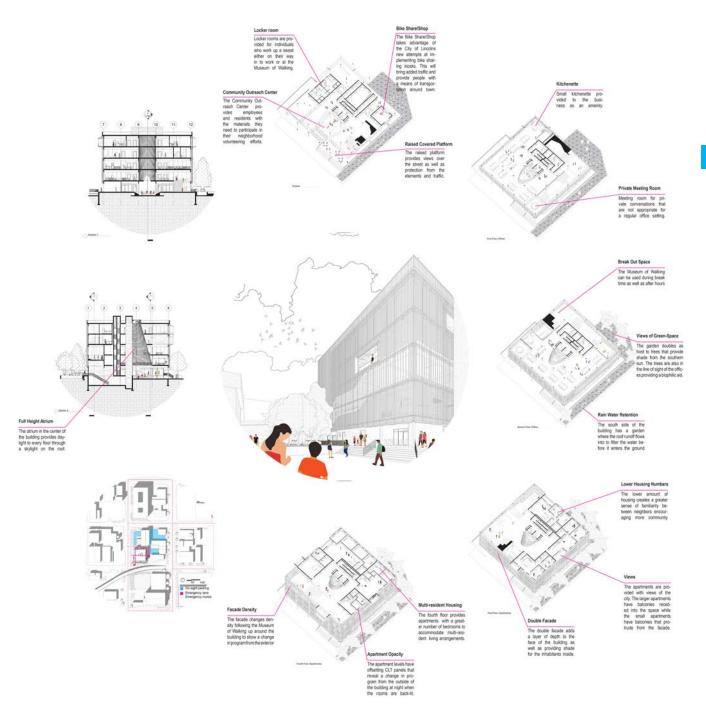




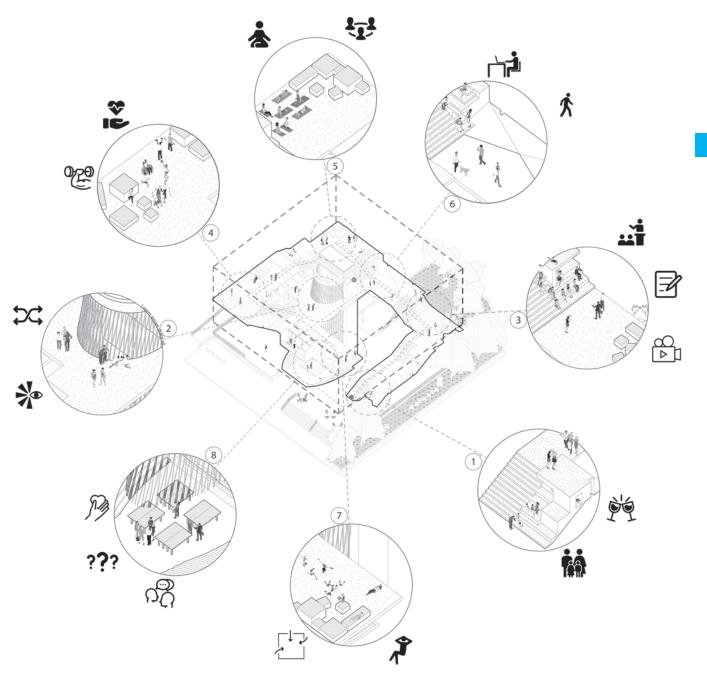












# Merit

## **Innovation Bundles**

Shayla Dick and Kristina Schneider Faculty Mentor: David Newton

Innovation Bundles is an innovation center for emerging fabrication technologies located on Innovation Campus. Innovation Bundles is designed to be a place of interaction between professional researchers, university faculty, students, and the community. The creation of integrated research communities converges individuals with varying levels of expertise all exploring a specialized emerging fabrication technology topic. This integrated approach helps expand innovation through social and academic encounters across user groups. Each research community is equipped with a blend of offices, classrooms, and a variety of flexible collaboration spaces offering unique interactions which help to foster knowledge creation and collaboration. These research communities are then regionally connected to the central robotics and specialized labs. The lab space, which acts as the connection between the different research communities as a space of innovation and idea creation, is on display for the public. Finally, the entire building is connected globally through a series of experiential circulation paths and ramps with program nodes promoting unexpected interactions and boosting creativity. Overall, Innovation Bundles promotes socialization, increases creativity, and fosters knowledge creation through local, regional, and global interactions.











## **INNOVATION BUNDLES**

INNOVATION CENTER FOR EMERGING FABRICATION TECHNOLOGIES

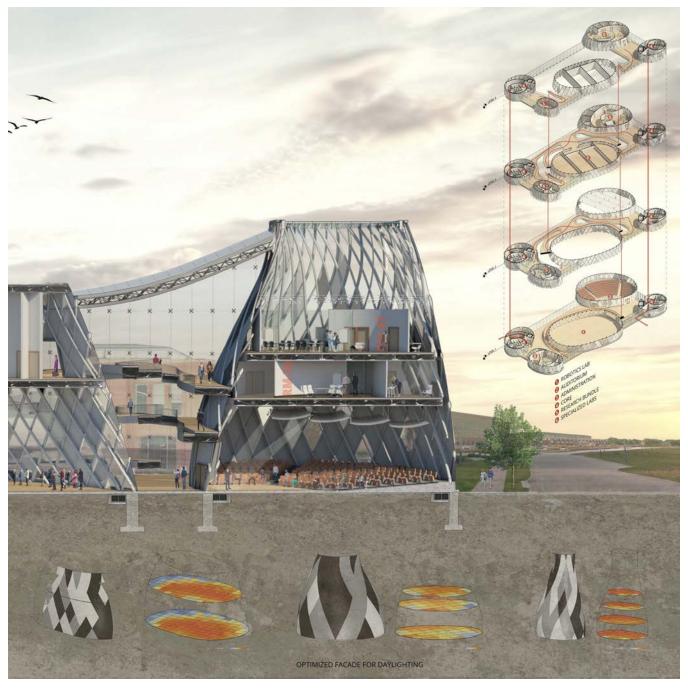
To promote collaboration and innovation, the Innovation Bundles reimagine the traditional higher-education programmatic organization. Classrooms, faculty offices, and studio spaces are grouped into bundles based on research topic in order to promote collaboration across traditional boundaries. A central robotics lab brings all research topics together in a mixing space of ideas. All spaces are connected by one continuous ramp system, which boosts creativity through walking and increases innovation through human interaction.



Dick + Schneider | Board 2



Dick + Schneider | Board 3



Dick + Schneider | Board 4

































### **DESIGN STUDIOS**

#### Mark Bacon, Adjunct Professor of Architecture

\* Rachel McCown and Danny Ortega

Yan Chen Ryan Miller
Charles Dowd Jordan Morris
Landon Dubas Abigail Nelson
Nathan Gradoville John Round
lan Jones Manuel Ruiz
Collin Meusch Hannah Schafers

#### Jason Griffiths, Assistant Professor of Architecture

\* Aaron Culliton and Yilie Wang

Violet Bast Devin McLean
Hannah Christy Zhen Qian
Hannah Cudaback Andrew Rose
Kungang Ding Shanna Satra
Brent Hoschar Reid Shubert
Audrey Lanik Chao Zhang

#### Marc Maxey, Lecturer of Architecture

\* Landon Beard and Megan Peterson

Rousol Aribi Abigail Incontro
Elvira Batelaan Rachel Jensen
Carly Brotherson Eric Mason
Blake Brummels Cale Miller
Matthew Drummond Aiden Schneider
Joseph Holtz Ruslan White

#### David Newton, Assistant Professor of Architecture

\* Shayla Dick and Kristina Schneider

Alacia Bayless Kyra Stradley
Alec Burk Alexis Tapia-Vergas
Drew Doyle Griffin Thomas
Craig Findlay Alfredo Vera
Robert Grebl Jati Zunaibi

\* Studio Finalist



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