

NCBDS 38

**National Conference
on the Beginning
Design Student**

**School of Design,
Architecture & Art**

**North Dakota State
University**

**Fargo, North Dakota
May 18 - 21, 2023**

**KNOWN
AND
UNKNOWN
TERRITORIES**



The 38th National Conference on the Beginning Design Student is hosted by the School of Design, Architecture and Art at North Dakota State University from May 18 – 21, at various locations downtown Fargo, North Dakota.

Welcome

Welcome to Fargo! On behalf of the North Dakota State University Department of Architecture, I would like to extend a warm welcome to our campus and the City of Fargo. While you are here, we hope that you will take time to explore the offerings of our vibrant arts community and local businesses. The conference will provide wonderful opportunities for networking, and the city will also serve as a venue for interacting with numerous elite athletes. Our conference coincides with the Fargo Marathon, a qualifier for the Boston Marathon and a particularly unique event given the flat terrain in our area. I wish you a great conference and a great stay in Fargo!

Susan Schaefer Kliman, Ph.D., FAIA
Chair & Professor / Department of Architecture
NORTH DAKOTA STATE UNIVERSITY

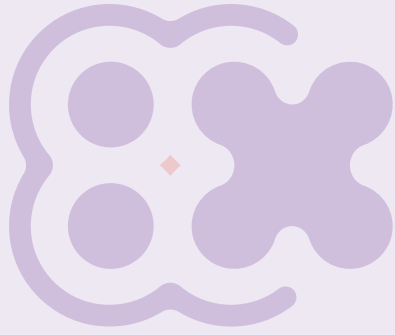
About the conference

The National Conference on the Beginning Design Student is a national peer review scholarly gathering dedicated to the study and practice of beginning design education. For over 25 years, the NCBDS has provided a forum for design educators to present papers and projects and hold discussions related to introductory design issues.

The NCBDS's origins reside in a small gathering entitled Beginnings. This gathering, held in 1972 at the University of Wisconsin, Milwaukee, and organized by Tim McGinty and Gerry Gast, brought together for the first time design educators to discuss introductory design education. Just over a decade later, after a second gathering held in 1983 at Cranbrook Academy, the first Beginning Design Conference was held in 1984 at Arizona State University. Since that conference in Arizona, the National Conference on the Beginning Design Student has been and continues to be the primary venue for discussion about the practice of and research into for beginning design.

Perhaps the most remarkable aspect of the NCBDS's longevity is that the conference has no formal organizational structure. It has no president, no treasurer, and no dues. Instead, the conference has a dedicated community of beginning design educators whose interest in the educational challenges and attendant pedagogies, projects, and curricular strategies associated with beginning design propel the conference.





KNOWN AND UNKNOWN TERRITORIES

The conference focuses on ways in which known territories and unknown territories are contemplated, explored, and defined in the beginning design education and spatial thinking. The question of KNOWN AND UNKNOWN TERRITORIES is intended to guide beginning design students to a new place of understanding rather than to a location. How does this question manifest in pedagogical processes? Didactic, haptic, and technological inventions are in constant flux and evolution. Reconsiderations of how we approach the built environment and the systems we interact with are emerging from the Pandemic into a space in which we must reconsider how and where we design.

The conference organizers welcome educators and students from the fields of art, architecture, design, and landscape architecture within five areas or perspectives:

TERRA INCOGNITA

OTHERNESS

FUTURE AND PAST

TECHNOLOGY

SPECULATION

By embracing these themes and their intersections, the conference organizers hope to initiate conversation and stimulate thoughtful debate on the role of KNOWN AND UNKNOWN TERRITORIES and their intersection with respect to multi-disciplinary beginning design.

TERRA INCOGNITA

How do we define the blank space on the map and why? How do we define the UNKNOWN? How are students taught to enter and explore areas that are unfamiliar? When does the UNKNOWN become KNOWN in the field of art, architecture, design, and landscape architecture? How do we trace the path of peoples, animals, wars, climates, and technologies on a global scale in order to research humanity's impact on the planet, and the ways in which we can make a real impact to save it, and to thrive as a species?

OTHERNESS

How does the beginning design student define OTHERNESS? What is OTHERNESS in art, architecture, design, and landscape architecture? Does the creative mind seek OTHERNESS or does it object to OTHERNESS? What is the KNOWN AND UNKNOWN in OTHERNESS? What if we seek lines of communication through the lens of the other, not just that of humans but within the depth of the natural world around us?

FUTURE AND PAST

How do certain aspects of the PAST endure, and how do these components and/or characteristics influence the FUTURE? How do we navigate venturing into the completely UNKNOWN? How does knowledge of the PAST and the risk of innovation factor into design and how we introduce it to beginning students?

TECHNOLOGY

How is TECHNOLOGY introduced to the emerging students in art, design, and landscape architecture? How is TECHNOLOGY implemented and are there any pedagogical goals or restrictions? How do rapid changes in TECHNOLOGY influence design, from the tools we use to the materials with which we design? In an increasingly expansive and undifferentiated platform of information and opportunity, what is the future architect, designer, and artist? Will emerging students design on solid ground or in mediated realities and platforms?

SPECULATION

What if? How might we? What can we learn about designing for the future through examination of extreme or unrealistic propositions? What is the impact when students are unleashed from the typical constraints of gravity, economy or even established societal norms thereby creating a petri dish of design possibility and failure? How can running amongst the extremes of utopian visions and dystopian manifestations wherein lies a landscape of design push imaginative alternative futures and possibilities?



WORKSHOP

Thursday, May 18th, 5:30 p.m. – Renaissance Hall Lobby

Daniel Green AIA
Principal, Miller Dunwiddie

Amber Sausen AIA, LEED AP BD+C, WELL AP
Principal, Alliance

Ink on the Run Sketch Workshop

Daniel Green is a principal at Miller Dunwiddie in Minneapolis and leads their building science and transportation architecture sectors. Daniel has led multiple sketch walk workshops for the American Institute of Architects Minnesota and for the University of MN College of Design Student and Alumni Board. He has represented Urban Sketchers as an instructor for Kansas City Design Week, leading two workshops in the Crossroads Arts District and as a replacement instructor providing a workshop using dry pastel at the 9th USK Symposium in Porto, Portugal.

Amber Sausen is an architect and principal at Alliance. At Alliance, Amber leads projects that connect people to the environment as well as guiding firm sustainability initiatives. Since 2014, she has been an administrator of the Urban Sketchers Twin Cities chapter. On the global nonprofit level, Amber serves on the Urban Sketchers advisory board and served as board president 2017-2020. For her active engagement in the architecture profession and sketching community, Amber was recognized as a 2022 Minneapolis St. Paul Business Journal 40 Under 40 honoree.

KEYNOTE SPEAKER

Friday, May 19th, 5:30 p.m. – Jasper Hotel

Craig Dykers FAIA, LEED AP, Int FRIBA, FRSA, RAAR, Ph.D.
Founding Partner Architect, Snøhetta

Beyond Boundaries

Snøhetta is an international architecture, landscape architecture, interior design and brand design office based in Oslo and New York City including studios in San Francisco, Innsbruck, Paris, Hong Kong, Shenzhen, Adelaide, and Melbourne.

Since 1989, Craig Dykers has established offices in Norway, Egypt, England, and in the United States. His interest in design as a promoter of social and physical well-being is supported by ongoing observation and development of an innovative and sustainable design process.

As one of the Founding Partners of Snøhetta, Craig has led many of Snøhetta's prominent projects internationally, including the Alexandria Library in Egypt, the Norwegian National Opera and Ballet in Oslo, Norway, the National September 11 Memorial Museum Pavilion in New York City, the San Francisco Museum of Modern Art Expansion in California, and the Ryerson University Student Learning Centre in Toronto, Canada. Recently, Craig has led the design of Calgary's new Central Library in Canada and The French Laundry Kitchen Expansion and Garden Renovation in Yountville.

WORKSHOP

Saturday, May 20th, 12:00 p.m. – Renaissance Hall 5th floor

Michelle Mongeon Allen FAIA, LEED AP
CEO, JLG Architects

Pioneering Practice: Cultivating Professional Opportunity for Current, Emerging, and Future Architects

Though born to be an architect, it took Michelle two decades and a chance encounter to discover the vocation that would change the course of her life. Inspired by this experience and rooted in her small-town upbringing, Michelle has dedicated her career to ensuring future generations of don't-yet-know-they're-aspiring architects see this profession as an accessible and viable career option. Under her leadership, JLG has invested in proactive community engagement, built a robust university relations program, and developed an innovative, nationally recognized supplemental curriculum for emerging professionals – JLGdna. Collectively, this approach has yielded unlimited professional opportunity for the region's current, emerging, and future architects.

KEYNOTE SPEAKER

Saturday, May 20th, 5:00 p.m. – Renaissance Hall 5th floor

Kendall A. Nicholson Ed.D., Assoc. AIA, NOMA, LEED AP
Director of Research and Information, ACSA

Critical Architectural Practice: Curating Revealing and Healing from the Start

Grounded at the intersection of education, architecture, and racial constructs, critical architectural practice is one way that design educators can situate justice in the future of the design disciplines. Using his experience as a researcher and an educator, Kendall A. Nicholson will share the theoretical framework that connects critical theory to the built environment by refining the design process. Critical architectural practice is a sociopolitical approach to architectural design that recognizes the racialized and gendered history of the public. By collectively raising the critical consciousness of students and faculty, critical architectural practice interrogates the action of architecture in an effort to mediate the systemic and structural forces that work to marginalize the most vulnerable populations.



TIMETABLE

Thursday | May 18 | 2023

8:00 a.m. – 5:30 p.m.	Student Exhibition	Flakoll Gallery
4:00 p.m. – 5:30 p.m.	Registration	Renaissance Hall Lobby
5:30 p.m. – 7:00 p.m.	Workshop	Renaissance Hall Lobby
	Daniel Green & Amber Sausen	
7:00 p.m.	Welcome Reception	Troll Lounge at Sons of Norway

Friday | May 19 | 2023

7:30 a.m. – 8:30 a.m.	Coffee & Pastries	Renaissance Hall 5th floor
8:00 a.m. – 3:00 p.m.	Registration	Renaissance Hall Lobby
8:00 a.m. – 5:30 p.m.	Student Exhibition	Flakoll Gallery
8:40 a.m. – 9:00 a.m.	Opening Remarks	Renaissance Hall 5th floor
9:00 a.m. – 10:30 a.m.	Session 1	Renaissance Hall 214, 206, 114
10:30 a.m. – 10:50 a.m.	Coffee Break	Renaissance Hall Lobby
10:50 a.m. – 12:20 p.m.	Session 2	Renaissance Hall 214, 206, 114
12:20 p.m. – 1:30 p.m.	Lunch on your own	Downtown Fargo
1:40 p.m. – 3:10 p.m.	Session 3	Renaissance Hall 214, 206, 114
3:10 p.m. – 3:30 p.m.	Coffee Break	Renaissance Hall Lobby
3:30 p.m. – 5:00 p.m.	Session 4	Renaissance Hall 214, 206
5:30 p.m. – 6:30 p.m.	Keynote Speaker	Jasper Hotel
	Craig Dykers Snøhetta	
7:00 p.m.	Welcome Dinner	Jasper Hotel

Saturday | May 20 | 2023

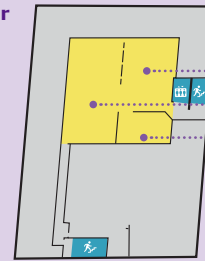
7:30 a.m. – 8:30 a.m.	Coffee & Pastries	Renaissance Hall 5th floor
8:00 a.m. – 3:00 p.m.	Registration	Renaissance Hall Lobby
8:00 a.m. – 5:30 p.m.	Student Exhibition	Flakoll Gallery
8:40 a.m. – 10:10 a.m.	Session 5	Renaissance Hall 214, 206, 114
10:10 a.m. – 10:30 a.m.	Coffee Break	Renaissance Hall Lobby
10:30 a.m. – 12:00 p.m.	Session 6	Renaissance Hall 214, 206, 114
12:00 p.m. – 1:30 p.m.	Lunch + Workshop	Renaissance Hall 5th floor
	Michelle Mongeon Allen JLG	
1:40 p.m. – 2:40 p.m.	Future of NCBDS	Renaissance Hall 114
	Open to all participants	
2:40 p.m. – 3:00 p.m.	Coffee Break	Renaissance Hall Lobby
3:00 p.m. – 4:30 p.m.	Session 7	Renaissance Hall 214, 206
5:00 p.m. – 6:30 p.m.	Keynote Speaker	Renaissance Hall 5th floor
	Kendall A. Nicholson ACSA	
	Closing Remarks	
7:00 p.m.	Closing Dinner	BernBaum's at 402 N Broadway
	Native Heritage Dinner by Candace Stock	Additional Reservation Only

Sunday | May 21 | 2023

10:00 a.m. – 4:00 p.m.	Optional tour to Oscar-Zero & November-33 in Cooperstown, North Dakota.
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RENAISSANCE HALL – 650 NP AVE

5th floor



- 2023 Master's Thesis Prize Finalists
- Auditorium & keynote
- Room 504

4th floor



- Room 408 – extra breakout space

2nd floor



- Room 206 – session presentations
- Room 214 – session presentations
- Room 216 – film loop

1st floor



- Registration desk
- Entrance
- Flakoll Gallery - student exhibition
- Room 114 – session presentations
- Parking – visit the registration desk



SESSION 1

9:00 a.m. – 10:30 a.m.

Friday | May 19 | 2023

TERRA INCOGNITA – Ren. Hall 214

- 9:00 a.m. Introduction by moderator Albert Marichal
- 9:10 a.m. Emily Knox,
Auburn University
Getting to Know the Unknown by Starting Small
- 9:30 a.m. Erin Carraher,
University of Utah
Aqua Incognita: Mapping the Great Salt Lake
- 9:50 a.m. Sarah A. Ra,
Oklahoma State University
Mortality and Genesis: Teaching Adaptive Thinking
- 10:10 - 10:30 a.m. Panel discussion and conclusion

TERRA INCOGNITA – Ren. Hall 206

- 9:00 a.m. Introduction by moderator Andrew Stark
- 9:10 a.m. Stephanie Bunt,
Pennsylvania State University
Parametric Tools as Teaching Instruments in Architectural Education
- 9:30 a.m. Matthew Shea,
University of Colorado Denver
Into the Unknown: Abductive Reasoning in Beginning Design Education
- 9:50 a.m. Zhuodan Guo,
Zhenhua Yang,
Ben Bernard,
North Dakota State University
Using 3D-Printed Structural Units to Enhance the Studio Engagement and Structure Learning Efficiency of Architecture Students
- 10:10 - 10:30 a.m. Panel discussion and conclusion

TERRA INCOGNITA – Ren. Hall 114

- 9:00 a.m. Introduction by moderator Tim McGinty
- 9:10 a.m. Peter Sprowls,
University of Florida
Nic Rabinowitz,
Florida International University
Teaching Architecture Where there is None: Methods for Expanding Experiment, Precedent and Equity in Architectural Education
- 9:30 a.m. Simon M. Bussiere,
University of Hawai'i at Mānoa
Sean Burns,
Ball State University
How Does Your Building Meet the Ground?
- 9:50 a.m. Ana T. Orosco,
Maxim D. Nasab,
Florida Agricultural and Mechanical University
How to Befriend a Chimera: Lessons on Site Analysis
- 10:10 - 10:30 a.m. Panel discussion and conclusion

SESSION 2

10:50 a.m. – 12:20 p.m.

Friday | May 19 | 2023

TERRA INCOGNITA – Ren. Hall 214

- 10:50 a.m. Introduction by moderator Whitney Bourgois
- 11:00 a.m. Ross Wienert,
University of Houston
Experiential Mapping: A Novel Approach to Orthographic Projection
- 11:20 a.m. Sean Burns,
Ball State University
Discerning the Perception of Territories and Boundaries
- 11:40 a.m. Hala Barakat,
University of Idaho
Matrix models as layers of intersection between the known and unknown
- 12:00 - 12:20 p.m. Panel discussion and conclusion

TERRA INCOGNITA – Ren. Hall 206

- 10:50 a.m. Introduction by moderator Mike Christenson
- 11:00 a.m. Sarah Young,
Annika Miller,
University of Louisiana at Lafayette
The Rules of the Game
- 11:20 a.m. Leyuan Li,
University of Colorado Denver
Room City: Towards An Architecture of Urban Interiors
- 11:40 a.m. Matthias Altwicker,
New York Institute of Technology
Regin Schwaen,
North Dakota State University
Karl-Heinz Winkens,
Fachhochschule Potsdam, Germany
The Unfamiliar
- 12:00 - 12:20 p.m. Panel discussion and conclusion

KNOWN AND UNKNOWN – Ren. Hall 114

- 10:50 a.m. Introduction by moderator Dominic Fischer
- 11:00 a.m.* Richard Hunt,*
Ontario College of Art & Design University, Canada
Typographic Otherness and Design Education
- 11:20 a.m.* Eleanor Pries,*
San José State University
Outside Inside: Open Enclosures and Performative Materials
- 11:40 - 12:00 p.m. Panel discussion and conclusion



SESSION 3

1:40 p.m. – 3:10 p.m.

Friday | May 19 | 2023

TERRA INCOGNITA – Ren. Hall 214

- 1:40 p.m. Introduction by moderator Lisa Eggebraaten
- 1:50 p.m. Stephen Temple,
University of Texas at San Antonio
**Toward a Philosophy of Beginning Design:
To the Things Themselves**
- 2:10 p.m. Liane Hancock,
Kiwana McClung,
Claire Schultz,
Kris Lyon,
University of Louisiana Lafayette
**Disability and Impairment Accommodation in
the Studio Environment**
- 2:30 p.m. Marianne Cramer,
The University of Georgia
Crossing the Threshold with Habits of Mind
- 2:50 – 3:10 p.m. Panel discussion and conclusion

OTHERNESS – Ren. Hall 206

- 1:40 p.m. Introduction by moderator Don Faulkner
- 1:50 p.m. Nicholas E. Wickersham,
The University of Southern Mississippi
Diccovering the Unknown
- 2:10 p.m. Sarah Keogh,
Ball State University
**Housing the Other: Beginning Design Learning
through a Situated Multidisciplinary Project**
- 2:30 p.m. Radu Remus Macovei,
University of Wisconsin
**Gentle Giants: Unifying Difference in
Beginning Design Education**
- 2:50 – 3:10 p.m. Panel discussion and conclusion

FUTURE AND PAST – Ren. Hall 114

- 1:40 p.m. Introduction by moderator Erin Carraher
- 1:50 p.m. Dwaine Carver,
University of Idaho
**A Phenomenological Epoché for
Beginning Design**
- 2:10 p.m. Marta Nowak,
The Ohio State University
**Bad Ideas and Ugly Models: Two Subversive
Pedagogical Strategies That Lead to Innovative
Ideas in Design.**
- 2:30 p.m. Kentaro Tsubaki,
Charles Jones,
Tulane University
**Reforming the Ground Plane: tackling urban
obduracy with the performance of
surface geometry**
- 2:50 – 3:10 p.m. Panel discussion and conclusion

SESSION 4

3:30 p.m. – 5:00 p.m.

Friday | May 19 | 2023

TERRA INCOGNITA – Ren. Hall 214

- 3:30 p.m. Introduction by moderator Charlott Greub and
Susan Schaefer Kliman
- 3:40 p.m. Michael Gonzales,
Meg Jackson,
University of Houston
**Intersections: A Synthesized Approach to
Biology, Computation, and Design**
- 4:00 p.m.* Roberto Ventura,*
Virginia Commonwealth University
**Canon Fodder: Critical Methods for Diversifying
Precedents Through Blogs**
- 4:20 p.m. Bailey Morgan Brown Mitchell,
Oklahoma State University
**Pedagogies Toward Sovereign Indigenous
Futures: Ten Strategies for
Early Design Educators**
- 4:40 – 5:00 p.m. Panel discussion and conclusion

OTHERNESS – Ren. Hall 206

- 3:30 p.m. Introduction by moderator Jessica Garcia Fritz
- 3:40 p.m. Hala Barakat,
University of Idaho
**Before the People Came. The Shift from
Empathy Words to Design Action on
Land-Grant University Campuses**
- 4:00 p.m. Jonathon Kenneday Stevens,
Florida A&M University
**A Place of Value: Creating Through
Introspection and Communication**
- 4:20 p.m. Victoria McReynolds,
Texas Tech University
**Solar Observatory in Two Acts:
Familiar Performance and Polar Extremes**
- 4:40 – 5:00 p.m. Panel discussion and conclusion



SESSION 5

8:40 a.m. – 10:10 a.m.

Saturday | May 20 | 2023

FUTURE AND PAST – Ren. Hall 214

- 8:40 a.m. Introduction by moderator Kentaro Tsubaki
- 8:50 a.m. Kristin M. Barry,
Ball State University
The Known and Unknown Past: Decolonizing the Canon for an Inclusive Future
- 9:10 a.m. Lindsey Krug,
Kyle Reynolds,
Sam Schuermann,
Alex Timmer,
University of Wisconsin-Milwaukee
Curriculum Junkspace: Reconciling Past and Future Pedagogies at UW-Milwaukee
- 9:30 a.m. Cesar A. Cruz,
Ball State University
Modernism as a Springboard for Beginning Architecture Students
- 9:50 - 10:10 a.m. Panel discussion and conclusion

FUTURE AND PAST – Ren. Hall 206

- 8:40 a.m. Introduction by moderator Meg Jackson
- 8:50 a.m. Taryn Mudge,
Temple University
Learning to Defer Judgment
- 9:10 a.m. Kaden Beilman,
Louisiana Tech University
Soul of the Squiggle
- 9:30 a.m. Mira Woodson,
University of Colorado Denver
Cultivating Curiosity: Speculation in rubrics
- 9:50 - 10:10 a.m. Panel discussion and conclusion

FUTURE AND PAST – Ren. Hall 114

- 8:40 a.m. Introduction by moderator Dominic Fischer
- 8:50 a.m. Malini Srivastava,
University of Minnesota
Beginning of the End: 8x8x8
- 9:10 a.m. Alejandro Borges,
Livia Loureiro,
Davi Xavier,
Texas A&M University
Mnémosynē & the Hybrid Experiments on Tradition
- 9:30 a.m. Jared Macken,
Keith Peiffer,
Oklahoma State University
The Anxiety of Influencers
- 9:50 - 10:10 a.m. Panel discussion and conclusion

SESSION 6

10:30 a.m. – 12:00 p.m.

Saturday | May 20 | 2023

TECHNOLOGY – Ren. Hall 214

- 10:30 a.m. Introduction by moderator Nick Wickersham
- 10:40 a.m. Brian K. Lee,
Kansas State University
Developing Rituals of Fabrication: Bridging the Digital and Physical
- 11:00 a.m. Xiao Hu,
Hala Barakat,
University of Idaho
Active Learnings in Architectural Studios: A Comparative Study of Foundation Design Curriculum in the US, China and Jordan
- 11:20 a.m. Meg Jackson,
Michael Gonzales,
University of Houston
Parametric Drawing
- 11:40 - 12:00 p.m. Panel discussion and conclusion

TECHNOLOGY – Ren. Hall 206

- 10:30 a.m. Introduction by moderator Victoria McReynolds
- 10:40 a.m. Deborah Ku,
Auburn University
Iterative Experiments: Transforming Case Study Pedagogy in Beginning Design
- 11:00 a.m. Erin Hunt,
Texas Tech University
Introducing Computational Design and Digital Fabrication to Architecture Students
- 11:20 a.m. Ben Bernard,
North Dakota State University
Successfully Exploring and Navigating the Unknown Technology Territories
- 11:40 - 12:00 p.m. Panel discussion and conclusion

KNOWN AND UNKNOWN – Ren. Hall 114

- 10:30 a.m. Introduction by moderator Jennifer Brandel
- 10:40 a.m.* Andrea Melgarejo de Berry,*
Yun K. Yi,
University of Illinois at Urbana Champaign, USA
Yadi Xie,
Tongji University, China
Are Our Current Methods of Rendering Architecture Already Dated? Looking at the Unknown Future of Artificial Intelligence (AI) in Architectural Design and Representation
- 11:00 a.m. Bradley Walters,
Chang He,
University of Florida
Dwelling on Climate: Using Comparative Design Methodologies to Develop Responsive Architectures in Hot and Cold Climates
- 11:20 - 11:40 a.m. Panel discussion and conclusion



SESSION 7

3:00 p.m. – 4:30 p.m.

Saturday | May 20 | 2023

SPECULATION – Ren. Hall 214

3:00 p.m.	Introduction by moderator Kristin Barry
3:10 p.m.	Trace Gainey, Kennesaw State University Space Junk: Digital Assemblage as Site
3:30 p.m.	Daniel Moore, Louisiana Tech University Speculation and Spatialization: The Role of Gesture Drawing in Design School
3:50 p.m.	Margaret McManus, Savannah College of Art and Design Choose Your Own Technology
4:10 – 4:30 p.m.	Panel discussion and conclusion

TECHNOLOGY – Ren. Hall 206

3:00 p.m.	Introduction by moderator Mike Allmendinger and Susan Schaefer Kliman
3:10 p.m.	Nate Imai, Texas Tech University Matthew Conway, UCLA + USC Learning From Leftovers: Integrating Scripting in Design Studios
3:30 p.m.	Mike Christenson, Malini Srivastava, University of Minnesota How Much Does Your Digital Model Weigh? Introducing Embodied Carbon to Beginning-design Students in Architecture
3:50 p.m.	Meghan Duda, North Dakota State University Christopher Pritchett, Virginia Tech A Machine for Drawing: Uncovering Known and Unknown Forces in Foundation Design
4:10 – 4:30 p.m.	Panel discussion and conclusion

MODERATOR / INDEX

MODERATOR	DATE & TIME	ROOM & SESSION
Mike Allmendinger	SAT, 5/20, 03:00 p.m.	Room 206, S7
Kristin Barry	SAT, 5/20, 03:00 p.m.	Room 214, S7
Whitney Bourgois	FRI, 5/19, 10:50 a.m.	Room 214, S2
Jennifer Brandel*	SAT, 5/20, 10:30 a.m.	Room 114, S6
Erin Carraher	FRI, 5/19, 01:40 p.m.	Room 114, S3
Mike Christenson	FRI, 5/19, 10:50 a.m.	Room 206, S2
Lisa Eggebraaten	FRI, 5/19, 01:40 p.m.	Room 214, S3
Don Faulkner	FRI, 5/19, 01:40 p.m.	Room 206, S3
Jessica Garcia Fritz	FRI, 5/19, 03:30 p.m.	Room 206, S4
Dominic Fischer*	FRI, 5/19, 10:50 a.m.	Room 114, S2
Dominic Fischer	SAT, 5/20, 08:40 a.m.	Room 114, S5
Charlott Greub*	FRI, 5/19, 03:30 p.m.	Room 214, S4
Meg Jackson	SAT, 5/20, 08:40 a.m.	Room 206, S5
Susan Schaefer Kliman*	FRI, 5/19, 03:30 p.m.	Room 214, S4
Susan Schaefer Kliman	SAT, 5/20, 03:00 p.m.	Room 206, S7
Albert Marichal	FRI, 5/19, 09:00 a.m.	Room 214, S1
Tim McGinty	FRI, 5/19, 09:00 a.m.	Room 114, S1
Victoria McReynolds	SAT, 5/20, 10:30 a.m.	Room 206, S6
Andrew Stark	FRI, 5/19, 09:00 a.m.	Room 206, S1
Kentaro Tsubaki	SAT, 5/20, 08:40 a.m.	Room 214, S5
Nick Wickersham	SAT, 5/20, 10:30 a.m.	Room 214, S6

All sessions are hosted on the 1st floor or 2nd floor in Renaissance Hall



INDEX / AUTHOR

AUTHOR	DATE & TIME	ROOM & SESSION
Matthias Altwicker	FRI, 5/19, 10:50 a.m.	Room 206, S2
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Hala Barakat [paper II]	FRI, 5/19, 03:30 p.m.	Room 206, S4
Hala Barakat [paper III]	SAT, 5/20, 10:30 a.m.	Room 214, S6
Kristin Barry	SAT, 5/20, 08:40 a.m.	Room 214, S5
Kaden Beilman	SAT, 5/20, 08:40 a.m.	Room 206, S5
Ben Bernard [paper I]	FRI, 5/19, 09:00 a.m.	Room 206, S1
Ben Bernard [paper II]	SAT, 5/20, 10:30 a.m.	Room 206, S6
Andrea Melgarejo de Berry*	SAT, 5/20, 10:30 a.m.	Room 114, S6
Alejandro Borges	SAT, 5/20, 08:40 a.m.	Room 114, S5
Sean Burns [paper I]	FRI, 5/19, 09:00 a.m.	Room 114, S1
Sean Burns [paper II]	FRI, 5/19, 10:50 a.m.	Room 214, S2
Stephanie Bunt	FRI, 5/19, 09:00 a.m.	Room 206, S1
Simon Bussiere	FRI, 5/19, 09:00 a.m.	Room 114, S1
Erin Carraher	FRI, 5/19, 09:00 a.m.	Room 214, S1
Dwayne Carver	FRI, 5/19, 01:40 p.m.	Room 114, S3
Mike Christenson	SAT, 5/20, 03:00 p.m.	Room 206, S7
Matthew Conway	SAT, 5/20, 03:00 p.m.	Room 206, S7
Marianne Cramer	FRI, 5/19, 01:40 p.m.	Room 214, S3
Cesar Cruz	SAT, 5/20, 08:40 a.m.	Room 214, S5
Meghan Duda	SAT, 5/20, 03:00 p.m.	Room 206, S7
Trace Gainey	SAT, 5/20, 03:00 p.m.	Room 214, S7
Michael Gonzales [paper I]	FRI, 5/19, 03:30 p.m.	Room 214, S4
Michael Gonzales [paper II]	SAT, 5/20, 10:30 a.m.	Room 214, S6
Zhuodan Guo	FRI, 5/19, 09:00 a.m.	Room 206, S1
Liane Hancock	FRI, 5/19, 01:40 p.m.	Room 214, S3
Chang He	SAT, 5/20, 10:30 a.m.	Room 114, S6
Xiao Hu	SAT, 5/20, 10:30 a.m.	Room 214, S6
Erin Hunt	SAT, 5/20, 10:30 a.m.	Room 206, S6
Richard Hunt*	FRI, 5/19, 10:50 a.m.	Room 114, S2
Nate Imai	SAT, 5/20, 03:00 p.m.	Room 206, S7
Meg Jackson [paper I]	FRI, 5/19, 03:30 p.m.	Room 214, S4
Meg Jackson [paper II]	SAT, 5/20, 10:30 a.m.	Room 214, S6
Charles Jones	FRI, 5/19, 01:40 p.m.	Room 114, S3
Sarah Keogh	FRI, 5/19, 01:40 p.m.	Room 206, S3
Emily Knox	FRI, 5/19, 09:00 a.m.	Room 214, S1
Lindsey Krug	SAT, 5/20, 08:40 a.m.	Room 214, S5
Deborah Ku	SAT, 5/20, 10:30 a.m.	Room 206, S6
Brian Lee	SAT, 5/20, 10:30 a.m.	Room 214, S6
Leyuan Li	FRI, 5/19, 10.50 a.m.	Room 206, S2
Livia Loureiro	SAT, 5/20, 08:40 a.m.	Room 114, S5
Kris Lyon	FRI, 5/19, 01:40 p.m.	Room 214, S3
Jared Macken	SAT, 5/20, 08:40 a.m.	Room 114, S5
Radu Remus Macovei	FRI, 5/19, 01:40 p.m.	Room 206, S3
Kiwana McClung	FRI, 5/19, 01:40 p.m.	Room 214, S3
Margaret McManus	SAT, 5/20, 03:00 p.m.	Room 214, S7
Victoria McReynolds	FRI, 5/19, 03:30 p.m.	Room 206, S4
Annika Miller	FRI, 5/19, 10:50 a.m.	Room 206, S2
Bailey Brown Mitchell	FRI, 5/19, 03:30 p.m.	Room 214, S4

AUTHOR / INDEX

AUTHOR	DATE & TIME	ROOM & SESSION
Daniel Moore	SAT, 5/20, 03:00 p.m.	Room 214, S7
Taryn Mudge	SAT, 5/20, 08:40 a.m.	Room 206, S5
Maxim Nasab	FRI, 5/19, 09:00 a.m.	Room 114, S1
Marta Nowak	FRI, 5/19, 01:40 p.m.	Room 114, S3
Ana Orosco	FRI, 5/19, 09:00 a.m.	Room 114, S1
Keith Peiffer	SAT, 5/20, 08:40 a.m.	Room 114, S5
Eleanor Pries*	FRI, 5/19, 10:50 a.m.	Room 114, S2
Christopher Pritchett	SAT, 5/20, 03:00 p.m.	Room 206, S7
Sarah Ra	FRI, 5/19, 09:00 a.m.	Room 214, S1
Nic Rabinowitz	FRI, 5/19, 09:00 a.m.	Room 114, S1
Kyle Reynolds	SAT, 5/20, 08:40 a.m.	Room 214, S5
Sam Schuermann	SAT, 5/20, 08:40 a.m.	Room 214, S5
Claire Schultz	FRI, 5/19, 01:40 p.m.	Room 214, S3
Regin Schwaan	FRI, 5/19, 10:50 a.m.	Room 206, S2
Matthew Shea	FRI, 5/19, 09:00 a.m.	Room 206, S1
Peter Sprowls	FRI, 5/19, 09:00 a.m.	Room 114, S1
Malini Srivastava [paper I]	SAT, 5/20, 08:40 a.m.	Room 114, S5
Malini Srivastava [paper II]	SAT, 5/20, 03:00 p.m.	Room 206, S7
Jonathon Stevens	FRI, 5/19, 03:30 p.m.	Room 206, S4
Stephen Temple	FRI, 5/19, 01:40 p.m.	Room 214, S3
Alex Timmer	SAT, 5/20, 08:40 a.m.	Room 214, S5
Kentaro Tsubaki	FRI, 5/19, 01:40 p.m.	Room 114, S3
Roberto Ventura*	FRI, 5/19, 03:30 p.m.	Room 214, S4
Bradley Walters	SAT, 5/20, 10:30 a.m.	Room 114, S6
Nicholas Wickersham	FRI, 5/19, 01:40 p.m.	Room 206, S3
Ross Wienert	FRI, 5/19, 10:50 a.m.	Room 214, S2
Karl-Heinz Winkens	FRI, 5/19, 10:50 a.m.	Room 206, S2
Mira Woodson	SAT, 5/20, 08:40 a.m.	Room 206, S5
Davi Xavier	SAT, 5/20, 08:40 a.m.	Room 114, S5
Zhenhua Yang	FRI, 5/19, 09:00 a.m.	Room 206, S1
Yun K. Yi,	SAT, 5/20, 10:30 a.m.	Room 114, S6
Sarah Young	FRI, 5/19, 10:50 a.m.	Room 206, S2
Yadi Xie,	SAT, 5/20, 10:30 a.m.	Room 114, S6

All sessions are hosted on
the 1st floor or 2nd floor in
Renaissance Hall



FARGO & MOORHEAD

Downtown Fargo Historic District was listed on the National Register of Historic Places in 1983 that includes late nineteenth-century and twentieth-century revivals architecture, modern architecture, and late victorian architecture. Here is an extract of buildings:

Jasper Hotel and Block 9

Located on 215 Broadway Dr. North, Fargo, and designed and completed in 2021 by architectural, urban planning and engineering firm Skidmore, Owings & Merrill.

The Fargo Theater

This art deco movie theater from 1926 is designed by the architecture firms Liebenberg and Kaplan, Buechner, Orth and located downtown Fargo at 314 Broadway Dr. North.

The Black Building

Designed by architecture firm Lang, Raugland & Lewis; and architecture firm Braseth & Houkom. Art Deco from 1930 and located at 114 Broadway Dr. North, Fargo.

The Ford Building

This factory was completed in 1915 and designed in the Chicago School style by architect John Graham. The building is located on 505 N Broadway Dr. North in Fargo.

Microsoft Corporation

Located at 3900 Great Plains Dr. South, Fargo. Designed by architect Julie Snow for the Great Plains Software that later merged with Microsoft.

A. Glenn Hill Center at North Dakota State University

This building opened in 2016 on NDSU campus and was designed by BWBR and Architect of Record Zerr Berg.

The Masonic Block

This building is also known as Dakota Business College or Watkins Block and was built in 1884. Designed by Fargo architects Daniels & Proctor.

The deLendrecie's Department Store

This building is located on 620 thru 624 Main Avenue in Fargo. Constructed from 1894 to 1904 by architects McMillen & Tenbusch; Andrew J. O`Shea.

Northern Pacific Railway Depot

This building is a former railway station in Fargo and located on 701 Main Ave, Fargo, ND. Constructed in 1898 and designed by architect Cass Gilbert.

St. John's Episcopal Church

Located on 120 8th St. S, Moorhead, Minnesota, designed by architect Cass Gilbert and completed in 1899.

Hjemkomst Cultural Center with Stave Church

This local culture and heritage center opened in 1985 and serves as a home to a Gokstad Vikingship replica and also a Hopperstad Stave Church replica from Vik, Norway.

NORTH DAKOTA & MINNESOTA

Theodore Roosevelt National Park

This National Park lies in western North Dakota, where the Great Plains meet the rugged Badlands. A habitat for bison, elk and prairie dogs. The park is known for the South Unit's colorful Painted Canyon and the Maltese Cross Cabin, where President Roosevelt once lived.

Chateau de Mores Interpretive Center

The Chateau de Mores in Medora, ND, is a historic home built by the Marquis de Mores in 1883 as a hunting lodge and summer home.

Medora – the City and the Musical

Festival and musical revue produced each summer at the open-air Burning Hills Amphitheater in Medora, ND.

The Enchanted Highway

Enjoy various installation along the Enchanted Highway by artist Gary Greff.

International Peace Garden

The International Peace Garden is a 3.65-square-mile park located adjacent to the International Peace Garden Border Crossing between Manitoba, Canada and North Dakota, United States.

North Dakota State Capitol Bismarck

Government campus in the Art Deco style from 1934. Architect: Joseph Bell DeRemer with others. Located at 600 E Boulevard Ave, Bismarck, ND.

Ronald Reagan Minuteman Missile State Historic Site

OscarZero (including November-33) is an underground Atomic Missile Facility in Cooperstown, ND, activated 1966. Located at 555 113 1/2 Ave NE, Cooperstown, ND.

Sheyenne National Grassland

Located in southeastern North Dakota, about 135.000 acres. The Sheyenne National Grassland is characterized by sandy soils, originally deposited as the delta of an ancient river as it emptied into glacial Lake Agassiz.

The University of Mary, Bismarck

The University of Mary, Bismarck, designed and executed from 1956 to 1968, by Marcel Breuer with others. The campus is located at 7520 University Dr. Bismarck, ND.

St John's Abbey Church and Library

Located in Collegeville, Minnesota. The church is from 1961 and the library from 1964 both designed by the renowned Hungarian architect Marcel Breuer.

Itasca State Park and Mississippi River headwaters

This is the second oldest State Park in the country and established in 1891 by Ozawindib and Schoolcraft. Located at 36750 Main Park Drive, Park Rapids, MN.





TO THE RED RIVER >



NDSU BARRY HALL

NDSU KLAI HALL

PLAINS ART MUSEUM

NDSU RENAISSANCE HALL

JASPER HOTEL

RADISSON HOTEL

HOTEL DONALDSON

ISLAND PARK

FARGO CITY CIVIC CENTER

FARGO PUBLIC LIBRARY

GREAT NORTHERN RAILWAY DEPOT

NORTHERN PACIFIC DEPOT

BERNBAUM'S DELICATESSEN

YOUNGBLOOD COFFEE

TWENTY BELOW COFFEE

NICHOLE'S FINE PASTRY & COFFEE

TROLL LOUNGE AT SONS OF NORWAY

10TH ST N

8TH ST N

7TH ST N

7TH ST N

4TH AVE N

3RD AVE N

2ND AVE N

NP AVE

MAIN AVE

NORTHERN PACIFIC DEPOT

1ST AVE S

MAIN AVE

4TH AVE N

3RD AVE N

2ND AVE N

1ST AVE N

NP AVE

4TH ST N

3RD ST N

THE FORD BUILDING

FARGO THEATER

BROADWAY

THE BLACK BUILDING

THE DELENDRECIERS

THE MASONIC BLOCK

NATIVE HERITAGE DINNER

On Saturday, May. 20th 2023 there will be a NATIVE HERITAGE DINNER at BernBaum's on Broadway. You are welcome to participate in this extraordinary culinary event and bring family and friends. It is required to sign up online as seats are limited. Chef Candace grew up on the White Earth reservation. Her family's lineage is HoChunk, Winebago. Her culinary career started early, always knowing one day she would be a chef. The first cooking classes she enrolled in were pastry courses at the Le Cordon Bleu in Paris, France. She then enrolled in catering classes with a tech program her Sophomore year of high school. She attended the Culinary Institute of America in Hyde Park, NY. She also studied at the Szechuan Cooking Institute in China before graduating with her Bachelors. In this meal Chef Candace will be using locally sourced ingredients that hold medicinal and spiritual properties in her culture. For more information about the menu, BernBaum's and Chef Candace visit these media links:

Menu:

<https://northdakotastate-ndus.nbsstore.net/images/uploaded/Native%20Heritage%20Dinner%20at%20BernBaum's%20Information%20%20Menu.pdf>

New York Times

<https://www.nytimes.com/2022/10/24/travel/fargo-upscales.html>

Prairie Public

<https://news.prairiepublic.org/main-street-stories/2022-11-10/indigenous-chef-candace-stock-on-her-approach-to-food>

InForum

<https://www.inforum.com/lifestyle/local-chefs-highlight-native-american-cuisine-with-special-dinner-at-bernbaums>

BernBaum's, 402 N Broadway, Fargo, ND

<https://www.bernbaums.com>

CHEF CANDACE – MENU

Location: BernBaum's, 402 N Broadway, Fargo, ND
Time: Saturday, May. 20th 2023
Doors will open at 6:30 p.m.
Online registration only

Amuse – Pemican

With every ingredient the creator has given us we must not forget to use them wisely. Pemican is a traveler's food, nutrient dense and utilizes every bit of what is given to us. Often made from seeds, nuts, dried fruits, vegetables and rendered animal fat

First course

Turnip Salad with mustard seed and maple vinaigrette, charred onion and cauliflower.

Turnips have always been an ingredient in many soups and stews in native cuisine. It is earthy and a bit spicy. The turnips you see in stores today were a crop brought to the Americans in the 16th century. However varieties of prairie turnips had fed the indigenous people and were a staple in their diets long before.

The Flavors used in this dish are meant to mimic the flavors of what prairie turnips.

Second course

Smoked walleye with wild rice, stinging nettle puree, rose hip jam.

Fresh water fish and walleye in particular are considered guardians of the water. It is paired with wild rice, a seed also grown on the lakes and rivers here in the midwest. This seed was a savior to the native people. When moving from their homes to the reservations the elders told the younger generations to follow the wild rice and they would find their new homes.

Third course

Bison, poached fennel, potatoes and apricot

The Great bison has been a symbol to the midwest and is a reminder for past lives. A course and time to reflect on how we lived freely in harmony with nature. Every culture has a totem like the bison. It is important not to take those spirits for granted.

Dessert

Chocolate and beetroot cake with berry palm and orange curd and chocolate bark

The flavors of earth. Moving around the United States and experiencing different countries this dish is meant to hold the flavor of the soil. Deep, rich flavors that keep the soul grounded in a simple but exciting way.

There is a cash bar at BernBaum's.



OSCAR-ZERO & NOVEMBER-33

There is an optional tour to Oscar-Zero and November-33 in Cooperstown, North Dakota on Sunday the 21st of May 2023.

Transportation will be provided from the Renaissance Hall parking lot at 10:00 a.m. with return to Fargo around 4:00 p.m.

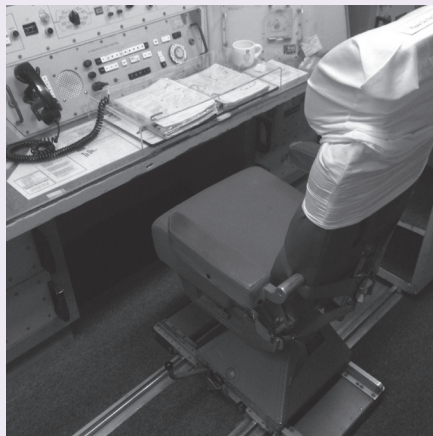
The Ronald Reagan Minuteman Missile State Historic Site consists of two sites telling the story of the Cold War years in North Dakota. They are the Oscar-Zero Missile Alert Facility and the November-33 Launch Facility. They are the last remnants of the 321st Missile Wing, a cluster of intercontinental ballistic missile launch sites that were spread over a 6,500-square-mile area around the Grand Forks Air Force Base. The Oscar Zero Launch Control Center and the November-33 Missile Facility played an integral part in the Cold War in North Dakota and the world. This site is the last launch control center with the top-side of November 33 missile facility left intact.

Visitors to Oscar-Zero will be given a guided tour of topside facilities and will learn how the facility managers, security forces, maintenance teams, and cooks lived their daily lives at the MAF. Guests may also choose to be guided down the elevator shaft to the underground Launch Control Equipment Building and Launch Control Center, where they will see firsthand the front lines of the United States' strategy of nuclear deterrence. They will be able to step behind the concrete blast door and witness the equipment that could have been used by the missile crews to launch nuclear missiles.

Link to Oscar-Zero & November-33:

<https://www.history.nd.gov/historicsites/minutemanmissile/>

Photo by Regin Schwaen



MARCEL BREUER AND NORTH DAKOTA

Visit on your own the University of Mary and the Annunciation Priory of the Sisters of St. Benedict, Bismarck, North Dakota [1958-63] by architect Marcel Breuer. The campus is placed on a prominent site that overlooks the Missouri River. The Yellowstone is a tributary to the Missouri. The headwaters is in Montana. The 3,900-mile-long Missouri-Mississippi River is the 4th longest river in the world.



Perhaps Marcel Breuer was inspired by those facts. The bell banner and the cloister arcade at the University of Mary embrace and frame the river and surrounding prairie landscape in an exceptionally beautiful way. Overlooking the Missouri, or visiting the white sandy meandering river bank, and looking back at campus, one thinks of ancient temples in Egypt, Greece, or South America. If time permits include a visit to the extraordinary in-situ 'origami-folded' concrete marvel Saint John's Abbey Church in Collegeville, Minnesota and hug the two 'concrete trees' supporting the ceiling in the library as well.

Photographs by Regin Schwaen



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WI-FI

NDSU is connected to Eduroam. If your institution is a participating member you will be able to auto-connect the wireless service. In case you need to sign into the wireless system as a guest use this link and password:

- 1 - Connect to the NDSU Guest wireless network.
- 2 - Open a Web browser and go to any webpage.
- 3 - Enter your name in the 'Full Name' field and type **t8qbmqt3s4** in the 'Password' field.
- 4 - Once you click Submit, you will be redirected to your home page and will have Internet access.

LINK

Visit this site for information about NCBDS, SoDAA, NDSU, news, marathon, or last-minute-timetable alterations:

<https://ncbds38.sodaa360.com>

<https://fargomarathon.com>

KNOWN AND UNKNOWN NOTES



MORE KNOWN AND UNKNOWN NOTES

