

# Network 2019

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NETWORK 2019  
(2018-2019)



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**NETWORK** is an annual  
publication of the Faculty  
of Architecture at the  
University of Manitoba,  
Winnipeg, Canada.

Environmental Design Program  
Department of Architecture  
Department of City Planning  
Department of Interior Design  
Department of Landscape Architecture  
Ph.D. in Design and Planning

The Faculty of Architecture aspires to offer widely recognized and highly valued design and planning undergraduate and graduate programs that promote a respectful, collegial, interdisciplinary culture of teaching, scholarship, and service within the University and beyond.

NETWORK is circulated to Faculty of Architecture alumni all over the world, and professional and industry firms throughout Western Canada. NETWORK welcomes articles, comments, and information related to issues affecting the design community.

# 04

## Faculty Reports

Letter from the Dean • Faculty  
Research • Environmental Design •  
Architecture • City Planning • Interior  
Design • Landscape Architecture •  
Faculty Announcements

# 52

## Connectivity

C.A.S.T. • Murmurate •  
Product Collection Catalogue  
• FABLab • Warming Huts •  
Cooperative Education • Student  
Ambassadors • Warehouse

# 74

## Indigenous Design + Planning

Zaagate Garden • Folly Forest: 7  
Years Later • Mikwendam Dawaa •  
Northern Teaching Lodges • Sekowe  
• ASIN • Sharing Resources for  
Community Planning • Student  
Projects • Architecture 2 Gallery



# 24

## Student Work

Environmental Design • Architecture  
• City Planning • Interior Design •  
Landscape Architecture

# 42

## Partners Program

Cibinel Architecture Ltd. •  
Prairie Architects •  
HTFC Planning and Design

# 92

## Events / Outreach

2018-2019 Events • Sponsored Lectures  
• Atmosphere 2019 • Class of '65-'68  
Reunites • Monument and Spectacle  
• Architecture 2 Gallery • Student  
Meet and Greets • Gold Medal Winner  
• Year End Exhibition • Faculty of  
Architecture • Endowment Fund

# 110

## Awards

Faculty of Architecture Awards •  
Gold Medal Recipient •  
Carl R. Nelson Jr. Teaching Award

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# Faculty Reports

## Letter from the Dean

Arguably in 2018-19 the two most important numbers for the Faculty of Architecture are 518 and 160; respectively the total current student enrollment in the Faculty, and the number of graduates from Faculty programs in 2018. They are important because of everything reported in this Network, none of it would have been possible without the outstanding students of the Faculty of Architecture. It is our goal to educate and challenge all of our 518 students, continuously providing them with new opportunities, so that when they become one of those 160 graduates they are ideally prepared for whatever pathway their career might take. For me, and I believe for all my Faculty colleagues, the opportunity to work with the outstanding students of the Faculty of Architecture is the greatest reward of our positions here at the University of Manitoba.

The drive, motivation and innovation of our students never fails to impress. There are a myriad of ways in which students contribute to our Faculty, from leadership of the many student endeavours, through to serving on everything from Department/Faculty Councils and all the Committees that help to improve programs, such as the Tech Fee Committee, Environmental Design Program Advisory Committee and many others. Now heading into my fifth year as Dean/Interim Dean of the Faculty, I have worked with four previous Senior Sticks, all of whom have made a lasting contribution to the well-being of the Faculty, and I look forward this year to working with my fifth Senior Stick.

As reported in this Network, each year the Faculty celebrates at the Annual Awards dinner students receiving scholarships and

financial awards. Additionally, through this last year several students have achieved individual successes that deserve our attention and congratulations. Just to name a few individual accomplishments: Odudu Umoessien received a 2019 Royal Architectural Institute of Canada International Prize Scholarship (one of three across Canada); Master of Architecture student Jessica Leon D'Toste was a winner of the international student drawing competition 'Drawing for the Design Imaginary,' organized by the Association of Collegiate Schools of Architecture; Katie Godfrey and Leah Komishon were two of five finalists in the

### **The drive, motivation and innovation of our students never fails to impress.**

NEXT Student Design competition from among 900 entries (representing the first time that this competition has had two finalists from the same institution); and Co-op/I student Bianca Dahlman received the 2019 Students Leading Sustainability: Andy Kesteloo Memorial Project Award, from the Canada Green Building Council (CaGBC) and received an honourable mention as the University of Manitoba Co-op Student of the Year.

It is particularly gratifying to see a Faculty student receive honourable mention as the Co-op Student of the Year, as last year was the first for the Faculty of Architecture Co-operative Education Integrated Work Program (Co-op/I). This



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## Letter from the Dean



new student opportunity placed students in work terms with twelve employers from Toronto to Victoria and overseas in Beijing and Shanghai during the summer of 2018 and continuing into 2019. Participation in our Co-op/I program is growing, twenty students placed with seventeen different employers in 2019.

This last year the new opportunities available to students also extended to the curriculum. The Environmental Design Preliminary Year program was expanded to include the course Environmental Technology with more than 300 students taking this course through the 2018/19 academic year. To improve accessibility to preliminary year courses, for the first time this year the preliminary year courses History of Culture, Ideas and the Environment 1 & 2 were offered during summer term with strong student enrollment. Also extending curricula opportunities for students were two courses offered jointly with the Faculty of Engineering: an interdisciplinary architecture/engineering design course in which students participated in a simulated building development process, and a design-build project involving students from multiple programs in the Faculty of Architecture and Faculty of Engineering designing and constructing a new feasting pavilion in collaboration with the Shoal Lake 40 First Nation.

The new opportunities available to students also extended to facilities as this last academic year was the first to have the new completely renovated studio spaces in the Architecture 2 building available, but also coming on stream was the joint

Architecture/Engineering Virtual Reality Facility in the recently completed Stanley Pauley Engineering Building located immediately adjacent to C.A.S.T. This new facility has already been used to support Interior Design student projects with impressive results!

All these new opportunities superimposed on our range of strong programs – with all our professional programs fully accredited for the maximum time possible – should help to ensure that our 160 graduates are well prepared for whatever future opportunities are presented to them. I am confident that our graduates will make worthwhile contributions to their chosen careers just as our previous graduates have done. This last year we were privileged to have the opportunity to celebrate the outstanding contributions of Maria Noziak – a graduate of the Master of City Planning program – who received a 2019 University of Manitoba Distinguished Alumni Award for Professional Achievement.

Looking forward we will continue to build challenging opportunities for our students. This effort will be aided by two new faculty members: Dr. Mercedes Garcia-Holguera who has joined the Department of Architecture and Professor Jason Shields in the Department of Interior Design both of whom are introduced in this Network 2019.

With the introduction of these new opportunities in our Faculty I look forward to continuing to see what the drive, motivation and innovation of our students produces in the upcoming and following academic years. Without doubt, as in the past it will never fail to impress!



Researchers in the Faculty of Architecture are actively engaged in a variety of projects impacting how the built environment is designed, constructed, experienced and understood. Our researchers are propelling innovation and insight, contributing to disciplinary knowledge, and helping society envision, comprehend and create more sustainable and inspiring environments.

The 2018-19 year included significant research initiatives in the following areas: sustainable housing with northern First Nations partners; Indigenous planning; sustainable design; ecological urbanism; heritage landscapes; social justice; public planning policy; participatory design processes; transit equity; low-cost housing; age-friendly communities; designing for dementia; creative approaches to design processes; and scholarship on the history of architectural drawings, theory of aesthetics, and perception of the natural and built environment. Learn more in the highlights section (below) and the new research summary online (<https://umanitoba.ca/faculties/architecture/research/index.html>).

### **Undergraduate Research Awards**

Faculty members prompt and propel research, but students infuse research inquires with fresh insights, genuine questions, skilled assistance, and inspiring energy. In 2019, eight Environmental Design students earned Undergraduate Research Awards – double the number of winners from 2018. Supported by the Office of VP Research and International, this competitive awards program supports select students to work as full-time summer research assistants for professors of their

choice. In summer 2019, Lindsay Mamchur and Hanna Hendrickson-Rebizant worked with Dr. Susan Close on literature reviews and a website concerning photography and the built environment. Kate Sherrin worked with Prof. Kamni Gill exploring traditional Indigenous knowledge of trees through visual documentation and written research. Nichola Basford and Rachel Laird worked with Dr. Lisa Landrum on a multi-faceted project entitled 'Canadian Architecture Forums on Education (CAFÉs): Toward an Architecture Policy for Canada.' Samantha Miller and Nicole Brekelmans worked with Dr. Richard Perron on a Canadian Urban Strategies database, focusing on precedents for smart and green cities, ecological infrastructure, permaculture and Indigenous urban design. Alixa Jazeel Lacerna worked with Prof. Alyssa Schwann and external partners on documenting 'Traditional knowledge and heritage horticulture of the Philippine Mountain Province'. This year, two of the Faculty of Architecture's 2018 Undergraduate Research Award recipients, Yang Peng and Océane Perham, were among the winners of the University of Manitoba's Undergraduate Research Poster Competition. Read more about this student success story on UMToday (<http://news.umanitoba.ca/architecture-student-winners-2018-undergraduate-research-poster-competition>).

### **PhD in Design and Planning**

Relaunched in 2016, the Faculty of Architecture's PhD in Design and Planning program now has three students, each advancing knowledge in design and planning fields.

**Courtney Thompson**, advised by Dr. Lisa Landrum, passed her Candidacy Exam and Thesis Proposal in 2018 and is now researching how certain sociocultural strategies in Canada (including the 1951 Massey Report and the 2015 Truth and Reconciliation Commission Report) impact design, Indigenous/Settler relations and Indigenous representation on the world stage. In June 2019, Courtney presented an aspect of her research, 'Architectural Deception and the Indians of Canada Pavilion at Expo 67 in Montréal' at the Values of Architecture and the Economy of Culture Conference, University of Queensland, Brisbane, Australia.

**Mojtaba (Moin) Hassanzadeh**, advised by Dr. Marcella Eaton, has completed his required coursework. In June 2019, he presented developing research on 'Collage: A Creative Medium in Landscape Design' at the European Collaborative Creativity Conference (EC3) in Geneva, Switzerland.

**Jeffrey Thorsteinson**, advised by Dr. Lisa Landrum, is completing coursework and developing research on modernist Canadian architecture and the history of ideas, especially topographically-oriented questions of identity, place, and sustainability. In May 2019, Jeffrey presented part of his research, 'A Forgotten Figure: Milton S. Osborne and the History of Modern Architecture in Manitoba' at the Society for the Study of Architecture in Canada Conference in Halifax, Nova Scotia. Three new PhD students are commencing studies in Fall 2019.







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## Faculty of Architecture Research Highlights

The following summary provides a sampling of research in the Faculty of Architecture. To learn more, see the Research News feature on the Faculty homepage, and the bio pages of individual researchers.

### Funded Research

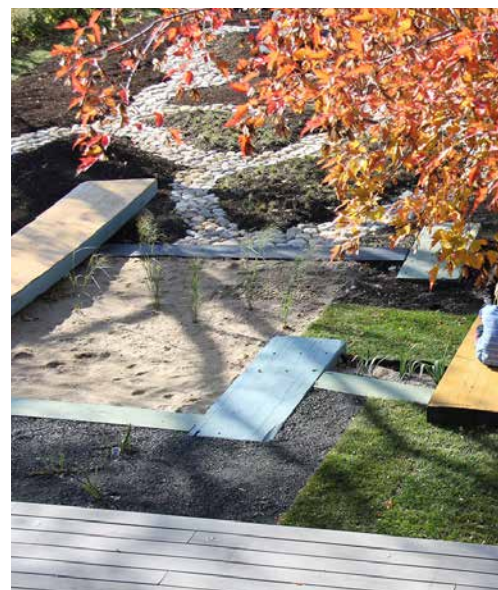
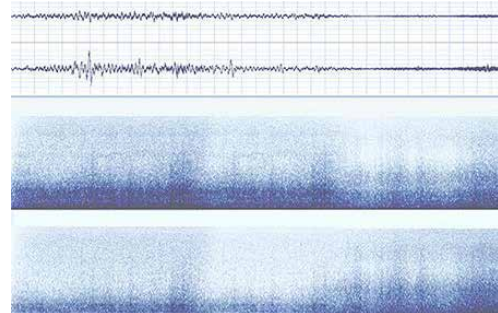
In 2018-19, Faculty of Architecture researchers earned grants from tri-Agency, external and internal sources, including: SSHRC Partnership Engage Grant (Linovski); SSHRC Connection Grant (Eaton); Canada Mortgage and Housing Corporation, National Housing Strategy Research and Planning Fund (Cooper, with UM & non-profit partners); MITACS Accelerate (Richard Milgrom; Mallory-Hill); the UM Indigenous Initiative Fund (Bailey); UM/SSHRC Exchange Grant (Landrum); UM Creative Works Grant (Brown); UM Leave Research Grant (Close, Landrum); and St. Johns College Fellows Research Travel Grant (Close). Dr. Araji continues research on 'Symbiosis Optimization of Double-Skin Façades in Cold Climates' with an NSERC Discovery Grant; and Coar and Mallory-Hill continue to collaborate in a SSHRC Partnership grant led by Dr. Shirley Thompson (UM National Resources Institute), facilitating participatory housing design sessions with Wasagamack and Garden Hill First Nations communities.

### Awards

Straub and Thurmayer earned multiple awards of excellence from the Canadian Society of Landscape Architects (CSLA), including the National Award in the Small-Scale Public Landscapes category for 'Vibrant Daring Ephemeral Wild - Casa Montessori & Orff School'; and the National Award in the Residential Landscapes category for 'Rooted in Clay - WY Garden', which also earned the CSLA Jury's Award of Excellence, and the 2019 Landezine International Landscape Award, gardens category. Other awards include: recognition for 'Room to Go in and Be Happy' in the International Wuxiang Mountain Tourism Public Earth Art Competition in Lishui, Nanjing City, China (Aquino); the Spirit of Winnipeg Award (Design & Building) from the Winnipeg Chamber of Commerce for Pop-Up Public Toilets (Rae Bridgman, with BridgmanCollaborative Architecture); and the 2018 CMHC President's Medal for Housing Research Excellence for 'Sekuwe (My House), Dene First Nations' Perspectives on Healthy Homes' (Coar, with Dr. Larcombe in Medicine and co-investigators from Tadoule Lake First Nations and the First Nations Health and Social Secretariat of Manitoba).

### Publications

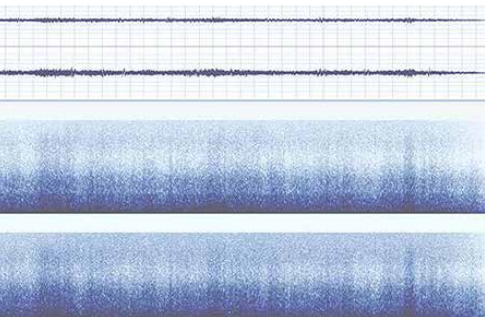
Several research works appeared in print, including: River City 2050 (Epp, editor); Cool Gardens: A Collection of Temporary Installations (forward by Aquino), Representing Landscapes: Traditional (with a chapter by Straub); Inspiration High Line (with a chapter by Thurmayer); plus several research contributions in journals and media, including the Journal of Planning Education and Research (Cooper); Journal of Planning History (Linovski); Journal of Urban Affairs (Linovski); Plan Canada (Bridgman); SCAPEGOAT: Architecture | Landscape | Political Economy (Cooper); Transportation





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## Faculty of Architecture Research Highlights



Research Part A: Policy and Practice (Linovski, co-author); Urban Affairs Review (Linovski); Canadian Architect (Bridgman; Landrum); and CBC News (Bridgman).

### Presentations

Faculty of Architecture researchers mobilized knowledge at numerous international and regional venues, including: the 2019 Seoul International Biennale of Architecture and Urbanism, Pre-Biennale Forum (Chon); the Frascari Symposium IV on the Secret Lives of Architectural Drawings and Models at the Kingston School of Art, London, UK (Fuglem; Landrum); the S-Arch (Sustainable- Architecture) Conference, Havana, Cuba (Perron); the International Association of Shell and Spatial Structures Conference, Harvard University, Cambridge, MA (Coar and collaborators); the Chaco Culture National Historical Park Visitor Center (Brown); the annual Conference of the Council of Educators in Landscape Architecture (CELA), University of California (Straub, Thurmayer); the International Building Performance session at the annual conference of the Environmental Design Research Association (EDRA), City University of New York, Brooklyn (Mallory-Hill; Straub; Thurmayer); the Association of Collegiate Schools of Planning Conference, Buffalo, NY (Cooper; Milgrom); CCPA-MB Student Colloquium (Cooper); Participate! Interdisciplinary Participatory Approaches in Spatial Planning and Development Conference, University of Illinois, Chicago (Milgrom); Empowering Change: Ontario Association of Architects Conference, Quebec City (Landrum); the Living Architecture Systems Group Symposium, OCAD, Toronto (Coar); the Arriscraft Lecture Series, University of Waterloo, (Coar); the Society for Teaching and Learning in Higher Education (STLHE) Conference, Winnipeg (Straub); and the Métis Architecture and Design Symposium, Laurentian University (Bailey). Regionally, researchers presented at the Manitoba Planning Conference (Perron); the MunicipalParks&TrailsForum(Perron); the Winnipeg Design Festival (Coar, Gill, Landrum, Straub, Thurmayer); Sustainability Night at St. John's College (Straub); and the University of Manitoba's Faculty of Architecture Atmosphere Adaptation Symposium (Epp, Mallory-Hill, Thurmayer, van Vliet) and Identity and Indigeneity by Design panel (Bailey).

### Professional Practice + Creative Work

Design research via professional projects encompasses Indigenous design advising (Bailey); housing and urban infill (Minuk); design competitions (Aquino; Thurmayer; Rueda; Straub; Veness); and community outreach and collaborative garden design (Straub, Thurmayer). Notable creative works include contributions to the 'Walls of Air' Brazilian exhibit at the 2018 Venice International Architecture Biennale (Aquino); a solo exhibition entitled 'Minding the Ground; Hearing the Wind' at the Chaco Culture National Historical Park Visitor Center, New Mexico (Brown); and various regional exhibitions involving student collaborations, including 'The Cloud' at the Warming Huts Festival (Coar, Hare); Everyday Urbanism at North Point Douglas (Epp); ReMuse and Cabinets of Curiosity and Musing Institutions at the Winnipeg Design Festival/Nuit Blanche and GoSA (Landrum); and the Riverfront Challenge Design Competition at Platform Centre for Photographic & Digital Arts (Perron).

## Environmental Design Program

The Design with Nature Now symposium at the University of Pennsylvania was a celebration of the 50 year anniversary of Ian McHarg's Design with Nature. As with a similar gathering in Philadelphia in 2016, an impressive assortment of the landscape architecture and planning community presented their perspectives on the enduring value of McHarg's vision. However, unlike the 2016 symposium which left me feeling inspired, Design with Nature Now left me feeling empty and bereft. My final note declared: "Why can't we determine a way forward?"

Ian McHarg was a contemporary of Rachel Carson and was doubtlessly influenced by her groundbreaking publication *Silent Spring* (1962). So where have we come to now? Nina-Marie Lister spoke of the Global Assessment Report of Biodiversity and Ecosystem Service (2019) noting that we are "on track to lose 1 million species". I found it difficult to sit in a dim, over-air conditioned assembly room and hear those words without sorrow. "Our world doesn't need more theories. Our world needs love, and the clear sight and conviction of which love makes us capable. The grief-lit questions of the Anthropocene are loose among us right now – who'll carry on what we love? Who'll protect the dying, speak up for the vanishing, bear witness and struggle and mourn?" (Weldon, 2018, p.73).

The design disciplines are particularly well situated to be key players in the salvation of our planet. An education in design is inclusive of art and science, ecology and technology – our students are creative, imaginative problem solvers. But we need to do more. We need to develop the

political acumen to advance a viable, long term vision for a contemporary land ethic. Design with Nature is lauded as having an influence on the development of crucial environmental protections (Fleming, Steiner, Whitaker, M'Closkey and Weller, 2019). But consider these questions: "Who will be our visionary now? With whom shall we unite to determine a path forward?" Our students must be prepared. As Laurie Olin stated at the Philadelphia Symposium, "We must design with nature or it will design us out of the equation."

**Every extinction lessons  
its value, the more we  
conquer, the less remains,  
the more we leave, the richer  
we are. Let it be, let it  
evolve, we are beneficiaries.**

**- Ian McHarg, *Cultivating Poverty***

The educators in the Foundation Years of the ED Program provide students with the essential knowledge, skills and abilities that they will need to be successful, activist designers. Their commitment to design education instill students with a value system crucial to future success.

In addition to teaching responsibilities, Dr. Mohamad Araj published a refereed journal article on Building Envelopes and Micro-algae; he was awarded the 2018 Discovery Grant from the Natural Sciences and Engineering Research Council of Canada with funding until 2023 and received the 2018 Mitacs Globalink Research in addition to the 2018 Undergraduate Research Award

with Michele Palmeiri at the University of Manitoba. Dr. Araj was also nominated for the 2018 Olive Beatrice Stanton Award in Teaching.

Jae-Sung Chon served as the Studio Co-Chair with Alyssa Schwann. Jae presented his paper "Urban Interiority Manifesto" at the S.ARCH 2018, 5<sup>th</sup> International Conference, participated in major international design competitions including HOME 2018 and Market Lands, curated a series of exhibitions at A2G, DOT and MAKE including "Immersive Evolution" and "Where Architects Play", edited a forthcoming book "Uncharted: documenting experimental pedagogies at beginning design studios" and worked on built projects including LL Parlour.

Katherine Isaac assisted with the roll-out of the Province of Manitoba's Environmental Design curriculum for high school educators, and continues to provide support by offering Environmental Design training through the University of Manitoba's Faculty of Education Summer Institute. Practising as a professional interior designer at Local architecture + design, Katherine is also active on The Professional Interior Designers Institute of Manitoba (PIDIM).

As part of her external service contributions, Leanne Muir was appointed Chair of the Canadian Society of Landscape Architects (CSLA) Awards of Excellence program which juried annually in Winnipeg. As part of this role, Leanne traveled to Vancouver in June to present the awards at the annual CSLA Congress. Leanne continued in her position as a member of the City of Winnipeg's Urban Design Advisory Committee and an

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## Environmental Design Program

invited juror for Storefront Manitoba and Winnipeg Trails Association's international BENCHmark design competition.

During 2018, Alyssa Schwann has been working on a number of projects through her design practice, Atelier Anonymous, and their society, the Global Landscape Foundation. Creative work includes an ongoing public art project in Richmond, BC with fellow alumni, Michael Seymour, and a landscape reconciliation and conservation project for the Museum of Anthropology in Vancouver, BC. Alyssa's article, "Ecological Wisdom: Reclaiming the Cultural Landscape of the Okanagan Valley," was published in the Journal of Urban Management.

As the Director for the FAUM FABLab, Kim Wiese oversaw many projects and initiatives, including evening workshops on wood turning, an introduction to rhino/grasshopper and textile pattern making and construction. Kim began her sabbatical in July of 2018 and used this opportunity to undertake courses to supplement her interdisciplinary perspectives in teaching including designing with plants, plant identification, planting design types as well as the history of landscape design. Her sabbatical included research trips to Mexico City, Japan and Germany. Kim also served as Studio Co-Chair with Dr. Mohamad Araj for EVDS 2900 in Winter session 2018.

In 2018, Scott Barham, Honore Black, Darcy Granove, John Harper and Liv Valmestad took on the responsibility of seeding the foundation information crucial to design practice featured in our

ED1 courses. With the reinstatement of Environmental Technology to our program, we welcomed the expert contributions of Suchita Khan and Dr. Mark Meagher. In the ED2 Design Studio, MLA graduate Ryan Coates joined the full-time teaching collective. Additional sessional teaching support in ED2 was skillfully provided by Michael Butterworth, W. Dean Leith and Dr. Iqbal Shahid.

The Hudson Bay building provided a spacious venue for the 2018 Urban Media Lab, coordinated by Jae-Sung Chon. Drawing instruction was provided by Scott Barham, making was led by Amanda Reis, and photography guided by Jacqueline Young. Teaching assistance was provided by a dynamic team inclusive of students from across the curriculum.

This year, at the 140<sup>th</sup> Convocation of the University of Manitoba, 87 students were conferred with the degree Bachelor of Environmental Design. Two awards are presented at the Spring Convocation, the University Gold Medal for the student with the highest standing in the final two years of their undergraduate program and the Dan Muir Memorial Award, presented to a student with an outstanding ability in design. Congratulations to Ralph Gutierrez on obtaining the University Gold Medal and to Brandon Bunkowsky, the 2018-19 recipient of the Dan Muir Memorial Award.

In closing, I thank all the dedicated teaching and support staff who promote student success through the Environmental Design Program.



Araj, Mohamad T., Ph.D.  
*Associate Professor*  
Chon, Jae Sung  
*Instructor II*  
*Director of Architecture 2 Gallery*  
Issac, Katherine  
*Instructor I*  
Muir, Leanne  
*Instructor I*  
Schwann, Alyssa  
*Associate Professor*  
Wiese, Kim  
*Instructor II*  
Wilson Baptist, Karen, Ph.D.  
*Chair, Environmental Design Program,*  
*Associate Dean (Academic),*  
*Associate Professor, Department of*  
*Landscape Architecture*

## Department of Architecture



I am very glad to report for Network on some experiences, events and accomplishments of our Department of Architecture occurring in this past academic year, 2018-19.

### **New Spaces: A Culture of Creative Making**

It goes without saying that, for architects and scholars in architectural education, the qualities and possibilities offered by built spaces should matter significantly: to say that good spaces facilitate, but also elevate and celebrate the events and activities which make our daily lives. Having enjoyed already for a year a renovated and radically improved spatiality in our Architecture 2 building—home and core of our educational activities—resulted in an enhanced vital experience for our academic community as a whole, reflected as well in tangible expressions of excellence in the work of both, our students and my fellow scholars.

### **Eutopia: Harmony of a Good Place**

This has been a year of delightful intensity and a feeling of harmony amongst us at

the DoA. It was a favourable time as well to continue to strengthen our culture of making, profiting from the sense of stability that comes with the full six-year accreditation by the Canadian Architectural Certification Board, and the feeling of loftiness, generosity and adequacy of our Architecture 2 facilities.

### **DoA H.R: Growth and Diversification**

This year as well we concluded a successful search for a colleague at the level of Assistant Professor; Doctor Mercedes García-Holguera. Mercedes is an individual with a significant record of practice in the profession but also with a relevant, novel and interesting academic profile, holding PhD in Bioresource Engineering from McGill University. I am glad to report that since July 1<sup>st</sup> she is with us, integrating her talent and expertise to our curriculum and research activities: feel very welcomed!

### **Cultural Integration and Indigeneity**

It has been one year since Shawn Bailey, our Indigenous Scholar, joined the FAUM and DoA (jointly appointed with the Faculty of Engineering) and we are glad to report significant advance in indigenizing our curriculum and advancing relevant community and cultural integration projects. Amongst those we have a design & build studio working in partnership and collaboration with the Indigenous Shoal Lake 40 community, offered this past spring. Students from the Faculties of Architecture and Engineering worked side by side with knowledge keepers and community members to design and construct a shelter for feasting in the Shoal Lake 40 community. The course provided an opportunity

for non-Indigenous students to learn from the collective worldviews of an Indigenous Peoples in the context of a shared community project. The students took part in ceremony to celebrate the beginning of, and various milestones, throughout the project that in a unique cross-Faculty design course between Architecture and Engineering with significant and explicit inclusion of Indigenous knowledges and perspectives.

### **WHAK: Representing the Faculty of Architecture at the Warming Huts**

This time again our Department assumed a leading role in representing the FAUM at the Warming Huts event with an outstanding project and building named WHAK (*Warming Hut for Anish Kapoor*): an art pavilion part of the 2019 Warming Huts Festival at the Forks. The project was a result of a design-build learning process part of the ED3/AMP1 design studios, led by professors Eduardo Aquino, Chad Connery, Terri Fuglem and Liane Veness. The five-metre carved cube was created





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## Department of Architecture



**First life, then spaces,  
then buildings – the other  
way around never works.**

**- Jan Gehl**



as a space to receive Anish Kapoor's reflective Disks in the near future.

### **DoA and Community Outreach: Some Highlights**

The academic year begun with a subset of our studios co-leading an urban design charrette on the occasion of the visit of architect Jan Gehl to Winnipeg. This meaningful event was organized in collaboration with the Winnipeg Chamber of Commerce (Architect Johana Hurme) Associate Professor Richard Milgrom, and a group of leading professionals from our city.

Prof. Ed Epp's ED4/Architecture studio, **Everyday Urbanism**, was located in North Point Douglas, Winnipeg. It was predicated on Jan Gehl's observation: *First life, then spaces, then buildings – the other way around never works*. In framing a response, the students approached the architectural project through an intimate understanding of a neighbourhood as a place where private lives and public spaces begin to merge and where individual and community interests are upheld and celebrated – by design. Student's project work supported new housing alternatives and community infrastructure and were exhibited in a neighbourhood 'open house' at Grace Point Church.

Continuing with his applied research program, professor Eduardo Aquino is pursuing the design development and execution of the project Broadway Social (Jet Engine Chandelier). The project brings together the "social" as a particular subculture of Manitoba,

and the tradition of Winnipeg as a transportation hub of Canada. These two Winnipeg traditions generate a project in the axis of Union Station and Hotel Fort Garry, celebrating these two city icons through a hybrid plaza/sculpture/urban space. By necessity my report is incomplete. Even if it hints at reflecting who we are, and what we do at the Department of Architecture, it only covers a small fraction of the totality of efforts, achievements, and relevant projects advanced by my inspirational talented and accomplished DoA colleagues.

I conclude here with sincere apologies to whom I could not mention this time, and the promise to highlight their always high achievements on future occasions.

I thank you all.

Aquino, Eduardo, Ph.D.

Associate Professor

Bailey, Shawn

Indigenous Scholar and Assistant Professor

Coar, Lancelot

Associate Professor

Enns, Herbert

Professor

Epp, Eduard

Associate Professor

Fuglem, Terri

Associate Professor

Landrum, Lisa, Ph.D.

Associate Dean (Researcher)

Associate Head, Associate Professor

Minuk, Neil

Assistant Professor

Macdonald, R. Ian

Professor Emeritus

Rueda, Carlos Ph.D.

Department Head and Associate Professor

Stern, Ralph

Professor

## Department of City Planning

Ashton, William, Ph.D.

*Adjunct Professor*

Blake, Sheri

*Senior Scholar*

Bridgman, Rae, Ph.D.

*Professor*

Carvalho, Mario, Ph.D.

*Professor Emeritus*

Cooper, Sarah, Ph.D.

*Assistant Professor*

Distasio, Jino, Ph.D.

*Adjunct Professor*

Leo, Christopher, Ph.D.

*Adjunct Professor*

Linovski, Orly, Ph.D.

*Assistant Professor*

Linton, David

*Adjunct Professor*

Milgrom, Richard, Ph.D.

*Head and Associate Professor*

Montufar, Jeannette, Ph.D.

*Founding Partner & CEO,*

*MORR Transportation Consulting*

Platt, James

*Adjunct Professor*

Trottier, Jean

*Cross-Appointed (Landscape Architecture)*

van Vliet, David, Ph.D.

*Associate Professor*

Wight, Ian, Ph.D.

*Senior Scholar*



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## Department of City Planning

During the 2018-19 academic year, the Department of City Planning built on its relationships with a range of communities, continued in its efforts to improve curriculum choices for students, and enhanced its research profile.

This was another year of change in the Department's personnel, as we said goodbye to Dr. Janice Barry. Although she has left for the University of Waterloo, we thanked her for her contributions to building our Indigenous Planning Studio and look forward to continuing a working relationship with her. We also welcomed Dr. Sarah Cooper as our newest colleague. Dr. Cooper is a graduate of our Master of City Planning Program (MCP 2009), and completed a PhD at the University of Illinois Chicago in 2018. She has taken charge of the Indigenous Planning Studio, but also brings research interests in housing to the department.

The most significant change in curriculum was the first offering of the Capstone Studio, allowing students to complete the program in a structured studio setting while facilitating individual research. In the second-year cohort, 12 of 14 students opted for the Capstone stream (the other two are following to Thesis path), and completed the program in time for the June convocation. The body of work produced by the students was very good, and practitioners who attended the students' final presentations were impressed. Congratulations are due to the students, but also to Dr. Orly Linvoski, who lead them through the process, and Dr. Cooper who helped shape the course content.

Studio projects allowed students to work with a range of communities representing diverse interests over the year. In the Fall term, the MI studio worked with three smaller Manitoba cities – Brandon, Selkirk and Winkler. Under the leadership of Dr. Richard Milgrom and Lissie Rapaport (MCP 2018) they worked to evaluate how “age-friendly” each city is, and to suggest approaches that might further improve the lives of older adults in those places.

### **The Department continued to develop strong research agendas often used to inform public debate in Winnipeg.**

The Regional Studio continued to develop work with the Winnipeg Metropolitan Region (WMR - formerly the Partnership for the Manitoba Capital Region) under the guidance of Dr. David van Vliet. This long-term collaboration takes on different issues of relevance to the WMR each year, providing valuable research as well as internship possibilities for students. This past year, students analyzed development patterns in a variety of regional centres outside Winnipeg, and provided scenarios and illustrations of the social, environmental and economic impacts different approaches might have. For the second year, Dr. Richard Milgrom (with Ryan Segal MCP 2015) collaborated with Dr. Carlos Rueda in the Department of Architecture to offer an interdisciplinary, urban design studio. The work focused on scenarios for Winnipeg

downtown revitalization, specifically in the Exchange District. The work is attracting the interest of planners and developers working in the region. Dr. Cooper's Indigenous Planning Studio worked with three First Nations, Sagkeeng First Nation, Sapotaweyak Cree Nation and Black River First Nation. All three of these communities have now worked with students in the program for at least two years.

Members of the Department continued to develop and pursue strong research agendas that had impact in scholarly and professional realms. Often these interests were used to inform public debate in Winnipeg, especially in a municipal election year. While Dr. Rae Bridgman continued to conduct research about child-friendly cities, her practice – Bridgman Collaborative Architecture - was also engaged in very visible discussions about access to public washroom facilities in Winnipeg. Dr. Litovsk further developed her research about the practice of urban design and planning, and about transit equity. Both of these have led to speaking engagements at conferences, but also to public debates about access to transit in Winnipeg. Dr. Cooper had a productive year, building relationships with local housing researchers, and will be researching housing policy with the Manitoba Non-profit Housing Association in the coming year.

As always, we are grateful for the contributions of the Manitoba Professional Planners Institute, that continues to support mentorship activities, awards and events for students in the Master of City Planning program.



## Department of Interior Design



**It is through  
collaboration that we  
learn from each other  
how to engage with the  
making of interior space.**

Collaboration plays a significant role in the delivery of our undergraduate and graduate programs. We can see this in almost everything we do from our approach to teaching to types of projects we work on in studios. It is through collaboration that we learn from each other how to engage with the making of interior space. The following highlights will illustrate some of the ways we collaborated in 2018-19.

Dr. Cynthia Karpan taught with interior designers Heather Wagner and Theo Rutherford in Interior Design Studio 3.1. The instructors asked the third year class to put pencils to paper in an entirely analog studio. The results were well-considered designs evolved from a somewhat slower process. The collaboration built on the strengths of the teaching team in addition to the experience students gained in the first and second years of the Environmental Design program.

Professor Kurt Esperson-Peters and Instructor Andrea Sosa Fontaine worked with Pediatrician Dr. Tavis Bodnarchuk to bring a real-world project into the Interior Design 4.2 Studio. The students developed design proposals for the Winnipeg Child Advocacy Centre. By working with the students, the client was able to see the potential for a well-designed interior to support the goals of a critical project for children in our community.

The Masters of Interior Design Studio One explored sensory design in two major projects this year. In the first project, students generated proposals





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## Department of Interior Design

for a centre for youth with ASD and other cognitive disabilities. Author and Interior Designer AJ Paron-Wildes reviewed the student work and assisted in the selection of one entry for the 2019 IDEC Student Design Competition. Oren Binnun and Jessie Procyshyn's project entitled 'Coalescence' made it to the finals. After that, VIRN (Vision Impaired Resource Network) stepped in as a community partner to assist students in generating proposals for a future VIRN Resource Centre in Winnipeg. This studio was led by Interior Designer / Instructor Jason Kasper and myself.

Sixteen students travelled with Professor Tijen Roshko and Instructor / Interior Designer Nikki Layne to Istanbul as part of the Masters of Interior Design Studio 2. When they joined their colleagues back in Winnipeg, the class worked with the FABLab to explore the use of Virtual Reality in a project called Belief and Spirituality in the 21<sup>st</sup> Century: In Search of the New Sacred.

Masters of Interior Design Studio 3 looked at emerging areas of workplace design in preparation for the 6<sup>th</sup> Steelcase NEXT Student Design Competition. There were 900 entries in this competition. Two of the five finalists selected were MID students Leah Komishon and Katie Godfrey. Congratulations to the students and their teachers, Professor Lynn Chalmers and Instructor / Interior Designer and Kelli Johnson.

Working with knotting artist Sara Clark, ten Interior Design students explored how knots exist as tools and contradictions, connections and binaries that exemplify a process of production. The result is a bird watching installation called 'Murmurate' located near St. Norbert Arts Centre. Professor Tijen Roshko offered this inspiring course with the assistance of the team in the FABLab.

In the Spring Session, Dr. Susan Close taught Travelling Concepts in Photography. This trans-disciplinary, photography course combines the practice, theory and history of photography. Image making is informed by interdisciplinary concepts such as mapping, framing, mise-en-scene, the writings of Mieke Bal and Jane Tormey. The course took place over three weeks in Montreal, Ottawa and Winnipeg and concluded with an exhibition of student work. Ten graduate students from Interior Design, Landscape Architecture and Architecture, participated in the course this year.

As faculty members, we learn much from the people around us. I would like to draw your attention to some of the notable achievements of colleagues this year. Dr. Lynn Chalmers retired in December 2018. Her serviced spanned nearly 20 years, many of those years as the Department Head when the Masters of Interior Design program was in its infancy. Professor Tijen Roshko won the Carl R. Nelson Jr. Teaching Award for her commitment to excellence in teaching. Finally, emerging designer and researcher Jason Shields will join our Department as an Assistant Professor in July 2019.

Collaboration is apparent in almost everything we do in the Department, from research to the outstanding design produced in our undergraduate and graduate programs. As the Head, it is a pleasure to reflect on the ways that partnerships enhance and inform the delivery of our programs and research initiatives. I look forward to seeing where this collegial approach will take us in the years to come.



Beaverford, Kelley  
*Head and Associate Professor*  
Chalmers, Lynn, Ph.D  
*Associate Professor*  
Close, Susan, Ph.D.  
*Associate Professor*  
Cox, Michael G.  
*Dean Emeritus*  
Espersen-Peters, Kurt  
*Assistant Professor*  
Isaac, Katherine,  
*Instructor*  
Karpan, Cynthia, Ph.D.  
*Associate Professor*  
Mallory-Hill, Shauna, Ph.D.  
*Associate Professor*  
Maruca, Nancy  
*Associate Professor*  
Roshko, Tijen  
*Associate Professor*

## Department of Landscape Architecture



**Staff:** Kamni Gill joined us from 1 July 2018 from the University of Sheffield, England where she taught in the landscape architecture department from September 2012. Kamni has a Bachelor of Arts in English and a Master of Environmental Design from the University of Calgary and obtained her MLA from the University of Pennsylvania in 1999 followed by 12 years in practice – including two years with Hargreaves Associates – before moving to Sheffield.

An international search for a new Department Head (to take over after Alan Tate's second five-year term from 2014) was held in Winter Term 2019. This resulted in Anna Thurmayer being appointed Head for a five-year term from 1 July 2019.

Anna Thurmayer and Dietmar Straub were on research / study leave during academic year 2018-19. Marcella Eaton and Alan Tate will be on research / study leave in 2019-20, beginning work on a new book.

**Students:** Numbers graduating from the MLA program remain very steady. There were thirteen in 2018-19, the same number as in 2017-18 and in 2016-17. Seventeen students graduated from the Landscape + Urbanism option in the ED program in 2018-19 and the intake to the option was slightly higher for 2018-19 and will be about the same for 2019-20. These lower numbers remain in balance with our staff numbers on research / study leave.

One incoming student – Kumar Kartik, an architecture graduate from India – received a University of Manitoba Graduate Fellowship. We did not nominate anybody as the University Olmsted Scholar for 2019 – primarily because there has to be unanimity department faculty to any nomination.

**Studios:** We retained the experiment from 2017-18 of flipping the LA Studios 3 and 4 such that the regional studio preceded the site design studio, thereby enabling the second studio to be situated within the larger region examined in the fall term. This year the respective studios studied the entire Thunder Bay District in Northern Ontario (Marcella Eaton) and then the city of Thunder Bay in winter term (Alan Tate).

Taking the other studios in sequence, the L+U third year fall studio – Dwelling / Precinct / Everyday Life – explored design opportunities for public space, particularly on current car park sites, in downtown Winnipeg (Richard Perron and Leanne Muir) after Richard and Leanne had conducted the students on the field studies trip to seminal sites in Paris, Amsterdam and London. The L+U third year winter studio – Networks and Infrastructure – provided two alternatives: one examined garden and open space sites on the Fort Garry campus (Brenda Brown), the other explored tree planting opportunities and forms on and around the western end of the campus (Kamni Gill).

The L+U fourth year fall studio – Possible Urbanisms – addressed public space creation on riverside sites in Winnipeg

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## Department of Landscape Architecture

(Jean Trottier and Brenda Brown) and the winter studio – Emergent Futures – included participation in a cross-Canada student design competition for two sites in Ottawa, organized by the National Capital Commission (in which the team of Jessica Miranda and Ben Gaudes took second place). The intensive summer studio in May 2019 examined the condition and challenges confronting Lake Winnipeg (Karen Wilson Baptist).

**Speakers:** Notable incoming speakers included Georges Descombes (practitioner and academic from Geneva, Switzerland), Marc Treib (Professor of Architecture Emeritus, UC Berkeley) and Bas Smets (founder of Bureau Bas Smets in Bruxelles, Belgium) at Atmosphere 2019, and Marc Ryan of Public Work, Toronto (winners of three CSLA Awards in 2019). In addition to organizing the Atmosphere symposium (with Alyssa Schwann) Marcella Eaton initiated a conference in October 2018 under the title Land:Terre, bringing together in Winnipeg one researcher and one student from each of the landscape architecture programs across the country. A website for this Land:Terre is in preparation.

**Support:** As outgoing Head, I would like to thank the network of people who have provided support over the last five years to the department and the two programs that we offer – the Landscape + Urbanism option and the Master of Landscape Architecture. Whether this has been through donations of time, or money, or both, please be assured that your contributions are greatly appreciated by students and faculty in the department.



Brown, Brenda  
*Associate Professor*  
Eaton, Marcella, Ph.D.  
*Associate Professor*  
Kamni Gill  
*Assistant Professor*  
Ted McLachlan  
*Senior Scholar*  
Leanne Muir  
*Instructor I*  
Richard Perron, Ph.D.  
*Professor*  
Alex Rattray  
*Professor Emeritus*  
Dietmar Straub  
*Associate Professor*  
Alan Tate, Ph.D.  
*Head and Professor*  
Charlie Thomsen  
*Professor Emeritus*  
Anna Thurmayr  
*Associate Professor*  
Jean Trottier  
*Associate Professor*  
Karen Wilson Baptist, Ph.D.  
*Associate Professor, Associate Dean (Academic),  
Chair Environmental Design Program*



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## Faculty Announcements

### New Faculty Members

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#### **Jason Shields**

Jason holds a Master's of Interior Design and Bachelor of Environmental Design from the University of Manitoba. Since earning his Bachelor's degree, he has worked in a local design firm and in 2018, he was selected by Interior Design Canada's PROpel program as being one of the 20 Top Emerging Design Professionals in Canada.

Professor's Shield's research interest is focused on emerging digital technologies & digital methodologies and their relationship to the built environment.



#### **Mercedes Garcia-Holguera**

Dr. Garcia-Holguera has a strong record of practice that spans Canada, Mexico, Spain and Chile, where she worked for governments, corporations and individual clients.

In addition to this, Dr. Garcia-Holguera has experience teaching and mentoring both graduate and undergraduate students at McGill University where she served as a teaching assistant, a teaching fellow and guest speaker.

Dr. Garcia-Holguera's research interest is in sustainable design and how it can inform technological and creative advances in architectural design culture. She holds a Ph.D. in Bioresource Engineering from McGill University as well as a Certificate in Sustainable Architecture from Pontificia Universidad Católica de Chile and a Master Degree in Architecture from Universidad Politécnica de Madrid. She is also a LEED Accredited Professional with specialty in Building Design and Construction.

### Faculty News

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Professor Alyssa Schwann received tenure and has been promoted to Associate Professor in the Environmental Design Program, effective March 30, 2019.

Dr. Mohamad Araj received tenure and has been promoted to Associate Professor in the Environmental Design Program, effective March 30, 2019.

Professor Anna Thurmayer has been recommended to the Board of Governors for a five-year term as the Head of the Department of Landscape Architecture, effective July 1, 2019.

Professor Anna Thurmayer has taught in the Faculty since 2008, in the Department of Landscape Architecture. In addition to teaching, Professor Thurmayer is a co-founder of the award winning landscape design practice 'Straub Thurmayer Landscape Architects and Urban Designers', and is a member of the CSLA/MALA.

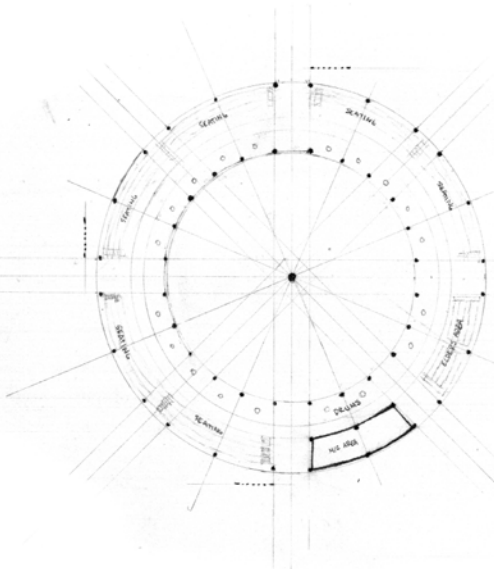




# Student Work

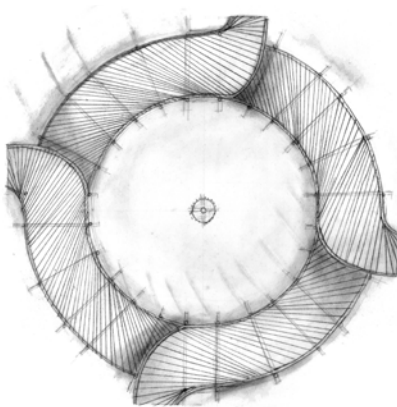


## Reanna Merasty Niimi'idiwin



In collaboration with Shoal Lake 40, the studio was tasked with designing a series of ceremonial spaces. The studio was welcomed into the community by a couple, who started off with a Pipe Ceremony. Offering the studio guidance and teachings, and their wishes / hopes for the community. We then offered our prayers with tobacco ties, giving thanks for the opportunity, and to work on this project in a good way. The site is located off the shore of Shoal Lake, surrounded by still waters, and is separate from the urban environment. The land is serene, calm, and peaceful.

The structure consists of a series of posts and beams, that would blend in with the surround trees, and increase in height at the center. Having each peak be prominent at each of the four cardinal directions. Fiberglass rods and fabric would make up each roof panel, to be porous/transparent, reflecting the eagle wing. The seating would be integrated into the structure, and spaces for drum groups would be between the poles at the inner ring. The simple structure seeps into the surrounding landscape and is sensitive in its nature.



Niimi'idiwin ("a dance / powwow" in Anishinaabemowin) doesn't disrupt or dominate its surrounding environment. It co-exists with the tree, soils, rocks, and plants, as they are living relatives. The structure is just a guest on this land, as they have existed for thousands of years. The project is a reflection of wâhkôhtowin, a teaching in Cree Natural Law, and translates to "everything is related." It is the interrelationship between all things in creation on Mother Earth.

Niimi'idiwin reflects the movement of dance, the drum, and Mother Earth. It moves with the motion of the arbor, as the dancers move in a clockwise motion. It vibrates with the sound of the drum, as it radiates onto the surrounding landscape and waters of Shoal Lake. It moves with the wind, the cycles of the sun and moon, and breathes with the ground. Niimi'idiwin seeps into the landscape with its porous/transparent façade, being sensitive to the view and the land, as its gently touches the ground.





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## Reanna Merasty Niimi'idiwin



**Reanna Merasty** is Woodlands Cree from Barren Lands First Nation, off Reindeer Lake in Northern Manitoba. She recently completed her degree in Environmental Design (Architecture option) from the University of Manitoba (UofM) and will be continuing her studies with a Master of Architecture in the Fall of 2019, receiving the Manitoba Association of Architects – Architecture Recruitment Scholarship. As well as the UofM Emerging Leader Award, and UMSU Award for Indigenous Community Leaders in 2019. She currently works at Brook McIlroy, in their Indigenous Design Studio, and continues to work in collaboration with the Natural Resources Institute, and Wasagamack and Garden Hill First Nation. She is influenced by her exposure to the natural and sustainable living conditions on the lands and waters of Reindeer Lake, in Northern Manitoba. Her work is influenced by place-based conditions, organic design, and strives to incorporate Indigenous values and knowledge's with design.



**Syeda Faeza Hasan**  
**Morphosis Machine: Architecture for the Slum Dwellers**  
*Advisor: Neil Minuk*

Dhaka, the capital city of Bangladesh, is one of the fastest growing cities in the world. Over time, rapid urbanization has led to terrible living conditions in the densely populated slums. The Korail slum covers an area of approximately 150 acres, and houses nearly 300,000 people. The living conditions in Korail are below the level of human decency. Those that are forced to live in this slum are expected to simply adjust to their surroundings.

Creating responsive architecture in areas such as this is very complex. This thesis tried to address the actual needs and desires of those living in the Korail slum. The study focused on how architecture can morph and change with necessity to adapt to the surrounding environment and to the behaviors and desires of the people in the area. The aim was to explore how architecture could respond either subtly or rapidly to the surrounding conditions, creating order in the urban fabric and improving the living conditions in the area. This responsive architecture becomes a Morphosis Machine, condensing social activity in the area and helping to form the dialect of everyday life.

The design takes into account both context and climate. The north-south orientation allows for better air circulation and less exposure to the west. Buildings are clustered around the courtyard and the ground level is designed to be more open and accessible to the community. Spatial and visual connections link one cluster to another. Community spaces are connected with elevated, semi-shaded pedestrian walkways that run around the courtyard giving it an intimate sense of enclosure. The form of the courtyard is intentionally rigid to host multiple functions, but the open exposure still allows the space to feel organic.

The most prominent parts of the building are designed with site-cast concrete. A strong shear wall core system provides greater stability and allows the building to withstand seismic activity, as Dhaka lies in an earthquake prone region. Other walls are constructed using a traditional jail brick wall system. Non-load bearing walls are made of modular bamboo screens and bamboo panels covered with plaster. The plaster helps increase stability and acts as a fire retardant. A window prototype was designed with over hanging eaves and louvers to gain maximum utilization of natural light and ventilation as well as protection from driving rains. The prototype also allowed the community to become part of the construction and modification process.

In conclusion, the design attempts to stimulate a sense of communal pride while providing the necessary spaces to support an increase in productivity. It raises the quality of life in the area while uniting modern and traditional building techniques and materials.





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# Syeda Faeza Hasan

## Morphosis Machine: Architecture for the Slum Dwellers

*Advisor: Neil Minuk*



**Syeda Faeza Hasan** is a recent M.Arch graduate from the University of Manitoba. She considers herself to be open minded, motivated, inquisitive, strategic, thoughtful, and creative, as well as a sensible and practical person. She particularly enjoys exploring the quality of communal life and social realms of a diverse range of projects. She is from Bangladesh and like many other Bengali people, she is very social and content with the small things in life. She always prefers to explore new ideas and knowledge. Syeda also has a passion for travelling, taking pictures and paintings. She believes the field of Architecture allows for constant exploration, and that there is no end to what we can learn and to what a great impact we can have on society, culture, and the environment. Syeda wants to combine her experience and skills in the field of architecture to create better spaces for people.



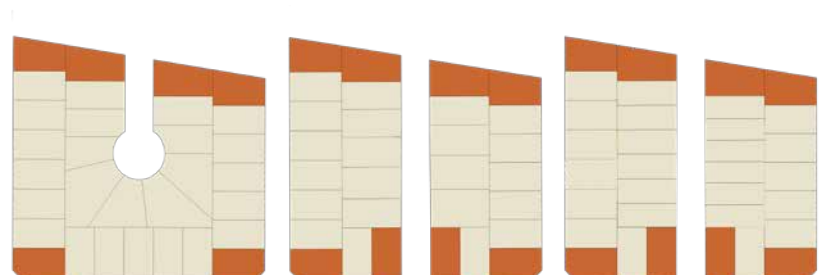
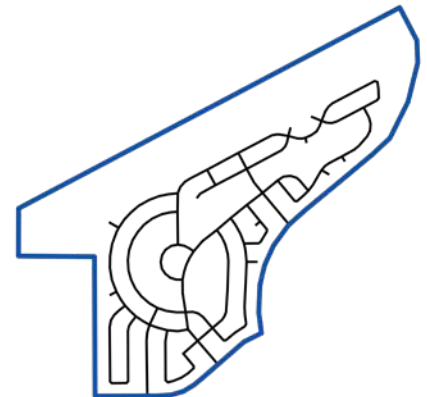
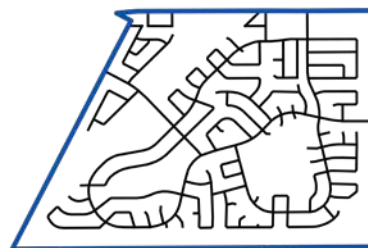
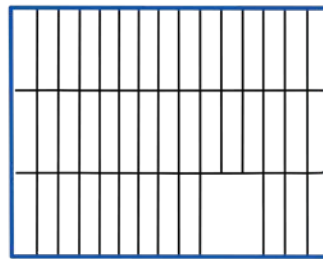
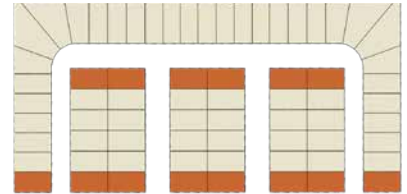
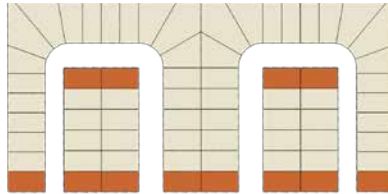
# Anton Metalnikov

## Sustainable Street Patterns in the Suburbs

*Advisor: Dr. Orly Linovski*



**Anton Metalnikov** holds a Bachelor of Arts degree with a major in Human Geography and a minor in Political Science from the University of British Columbia. He is a recent graduate of the Master of City Planning program. Having dreamed of pursuing the planning profession since his teenage years, he was drawn to the field due to its belief in continual progress and improvement in the places we live and our interactions with them. He holds a variety of interests in topics including transportation, regional planning, land development, and policy, and has been able to work with them in the non-profit and local government sectors early in his career on projects ranging from a neighbourhood background study to an industrial land inventory to a study on the clean economy. Now living and working in the Lower Mainland of BC, Anton continues to seek new experiences and opportunities to contribute to his community and the planning profession while expanding his knowledge and abilities.



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## Anton Metalnikov

### Sustainable Street Patterns in the Suburbs

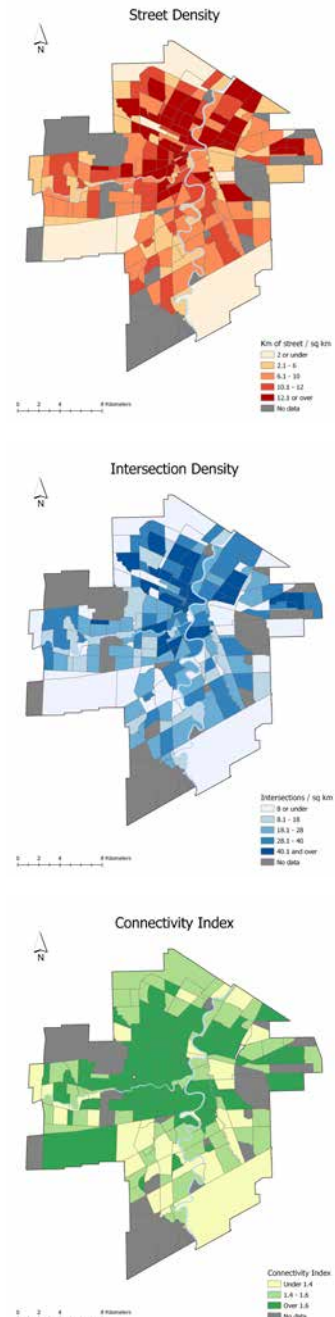
Advisor: Dr. Orly Linovski

Suburban housing development, and the curvilinear street pattern often used in it, are a common target for criticism within the planning community, yet they continue to represent a significant share of growth in many urban areas. This research set out to find out why the curvilinear street pattern is widespread in greenfield development, and whether its advantages can be accommodated in an altered street network design while mitigating its drawbacks. Suburban development expands the reach of cities and street network layout is a significant determinant in the character of those neighbourhoods. Different street patterns will have different effects on transportation characteristics of all modes, as well as different effects on the form and location of development. Street patterns are also permanent, and will maintain these same effects into the future.

To conduct this research, spatial analysis was performed on Winnipeg neighbourhoods to obtain a quantitative assessment of different street patterns that allowed them to be more accurately compared and have their effects considered in more detail. A combined total of eight city planners, planning consultants, land developers, and engineers involved in suburban development were interviewed to directly learn their considerations in laying out street networks.

It was found that while mature grid neighbourhoods on average score higher in measures of street network density and connectivity, there were many exceptions where more recent suburban developments with curvilinear street patterns scored just as high or higher than them. Furthermore, more recently-developed curvilinear subdivisions typically scored higher than those that were developed further in the past. Through interviews, it was found that efficiency was the most dominant consideration in street network design, as the curvilinear pattern allows for more land to be dedicated to housing rather than roads. Marketability, connectivity, and development regulations were important factors as well. Collectively, these considerations and how they are shaped by context are responsible for shifts in street network layout preferences. For example, given the recent increases in land prices, lots have become narrower, which lends them to generally be more effectively laid out in longer interconnected bays, rather than cul-de-sacs.

Based on these findings, it was determined that specific problems and goals ought to be the focus of street pattern design, and not the choice of street pattern itself. Through meaningful collaboration between stakeholders, it is possible to maximize and sustain key priorities in a given time and place in new neighbourhoods and expanding cities overall.





## Samantha Blatz

*Advisor: Richard Milgrom*

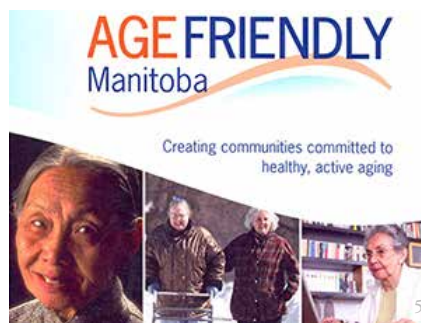


Our society in North America, and in Canada, is aging rapidly and with this comes significant physical and social challenges. The intent of this research is to better understand the extent to which the development plans and guiding documents of Winnipeg, MB, Edmonton, AB, and Vancouver, BC support the creation of age-friendly cities and the ability to age-in-community. The planning of our cities for inclusivity can help start to address these challenges in a way that provides flexibility, independence, and dignity for older adults. This research is conducted through a document analysis of the development plans and supporting city documents from the three study cities. The results of this analysis show that while the documents address built form elements of age-friendly design, such as transportation, outdoor spaces and buildings, and housing, they do much less to address the social aspects of building age-friendly cities, such as social participation, respect and social inclusion, civic participation and employment, communication and information, and community supports and health services. As well the majority of the high level guiding documents from these cities lack specificity and do not adequately account for the particular needs of older adults. Specificity in goal setting and direction strategies that reflects the particular needs of seniors is what is needed in development plans going forward. As we turn to alternative methods of building that are more inclusive of all citizens it is necessary to include a more detailed plan for how to achieve these new goals.



# Samantha Blatz

Advisor: Richard Milgrom

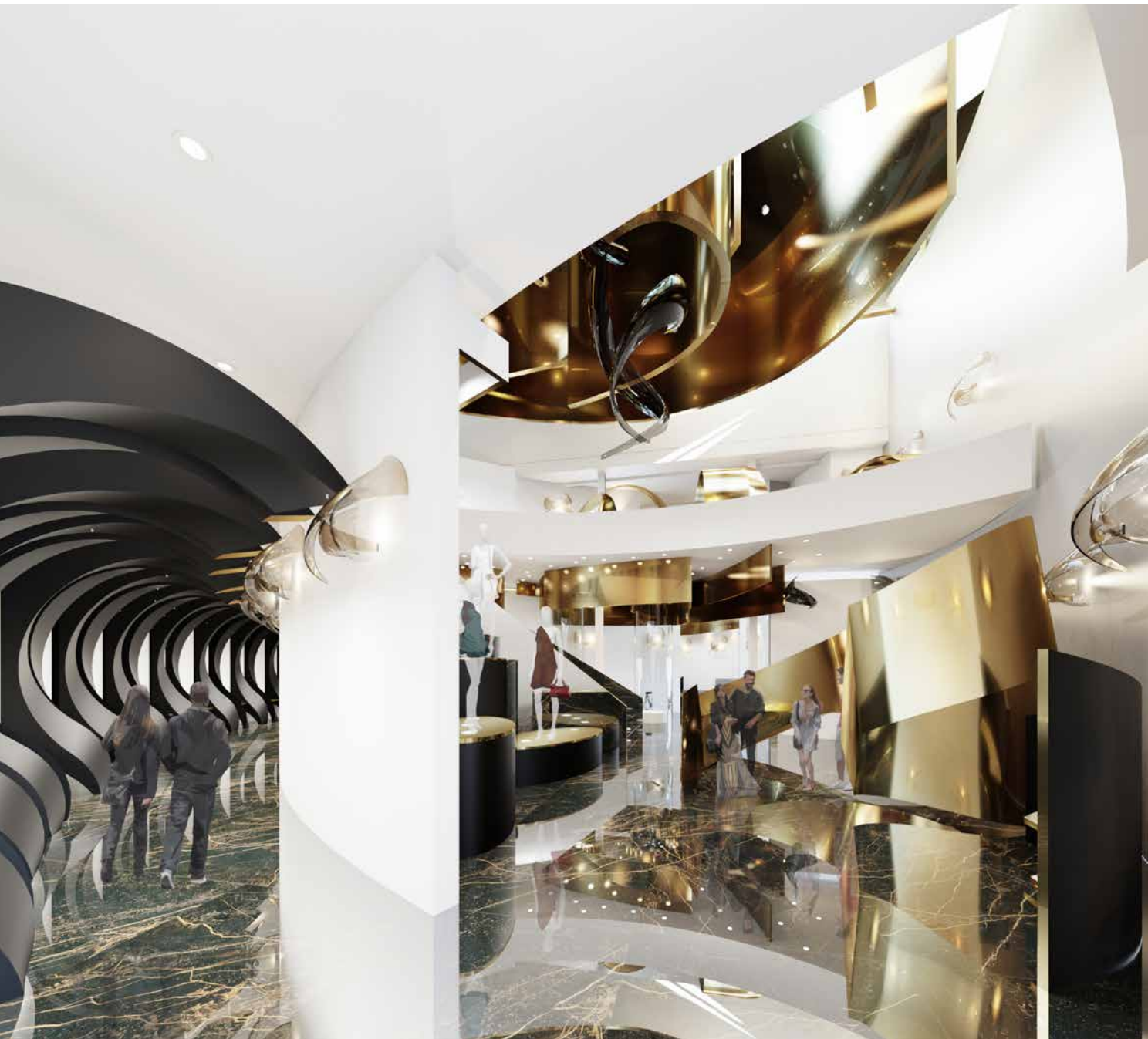


Samantha Blatz has a background in both Environmental Design and City Planning. Sam has a passion for creating products, spaces, and places that reflect the diversity of the people that use them. Her love for design and accessibility has led her to work on projects in the areas of active transportation and trail planning, Indigenous planning, and age-friendliness. She most recently finished a year-long Planning studio working with Black River First Nation, contributing to their efforts to complete the Reserve Land and Environment Management Program (RLEMP). Upon graduation Sam joined the planning team at Scatliff+Miller+Murray in downtown Winnipeg, MB.

1. Blatz, Sam, "Seniors Knitting."
2. Monsebraaten, Laurie, "Move and Groove Session at Kipling Acres in Toronto," *The Star*, accessed July 13, 2019, <https://www.thestar.com/news/gta/2016/02/09/magic-abounds-when-daycare-seniors-home-share-roof.html>.
3. Elmer, Eddy, "National Seniors Day 2015, Vancouver," *Seniors Advisory Committee*, accessed July 13, 2019, <http://www.vancouverseiorsadvisory.ca/2015/10/national-seniors-day-2015/>.
4. Glowacki, Wayne, "Members of the Seniors Vote 2016 coalition hold signs at a rally Thursday," *Winnipeg Free Press*, accessed July 13, 2019, <https://www.winnipegfreepress.com/local/seniors-rally-for-more-healthy-aging-initiatives-375760591.html>.
5. Blatz, Sam, "Age Friendly Manitoba."



## Andre Nayo





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## Andre Nayo



This project was to explore and understand the ideas of a co-working space. Our goal was to create a client and develop a concept ideal for that clientele. We are required to research the paths, edges, districts, landmarks, and nodes of the site location. The inspiration for this project was the covers of 'Vogue' Magazine. The text, layers, colors, and images are all inspired by high fashion and glamour. To create these architectural languages, a series of dresses were painted and zoomed in to create an abstract interpretation of fashionable clothing. This notion inspired the brush strokes that would soon be an important design feature throughout this project. The idea of painting with a brush created this process of "wisps", where the strokes descend by tapering itself to a fine and thin tail while also allowing the paint to fade due to the amount of paint being used at the beginning of the stroke. This suggestion is what led to why this project became to what it is today, encapsulating the building in a series of paint and allowing those wisps to provide elements of furniture, lighting and art throughout this whole building.

With one stroke, streaks of black and gold cover and embrace the building, allowing the structure to evolve and transform, providing a new experiential sensation when used.

Elle Ganza was created in hopes of creating a community for inspiring fashion designers who strive for the same goal of being recognized of their talents in the fashion community. This building provides a studio & storage space for the designers to work in as well as a gallery space for their work to be displayed. The entire design of Elle Ganza was inspired by the notion of brush strokes created during the concept process of designing fashionable clothing.

**Andre Nayo** recently graduated with his Bachelor of Environmental Design degree in June 2019. He will further his studies in the Master of Interior Design program at the University of Manitoba beginning in Fall 2019. Andre was born and raised in Winnipeg, MB where he was inspired to create art by using his creativity, painting and imagination as a medium when designing projects. With the drive and ambition to create unique designs, he hopes to achieve a goal where his designs will turn into realities.

## Jessie Procyshyn St. Norbert Fashion House



**Jessie Procyshyn** graduated with a Bachelor of Environmental Design in June 2018 and is currently pursuing a Master of Interior Design degree from the University of Manitoba. Jessie grew up in rural Manitoba where her passion for design cultivated from participating in renovation and artistic projects with her parents. She has a background in photography and is currently employed as a product and content photographer for several local Winnipeg boutiques. Jessie's interest in photography has helped shape her attention to detail and the sense of harmony found in her projects. Materiality and light quality are two factors that actively guide her photography and the designs of her interiors.

This studio aimed to cultivate and represent individual expressions of “sacred space” based on a literature study and a trip to Istanbul. The intent was to investigate the meaning of “sacred space” in post-modern culture and its relatedness to interior design within the changing social, economic, and cultural context.

The concept for the project was inspired by the Mevlevi Sema Ceremony and the whirling dervishes skirt and sash. The sash, typically wound around the man's waist three times, represents the “knowledge of God, the seeing of God, and the stage of true existence.” The skirt, named the tennure, represents the burial shroud. The symbolic meaning attached to the wrapping of the dervish costume, as well as to the importance of the body, reflected a recurring theme found in Istanbul which is the appreciation of the human form. Whether it be protected, uncovered, wrapped, washed, or worshiped, the body is a meaningful and integral piece of Turkish culture and literature.

Therefore, the body, and how it is wrapped, redefined a post-modern representation of sacred space for the project. Expression of the concept was translated into spatial

form through the design of a facility for fashion design, study, and exhibition.

The proposed design of 101 Rue des Ruines du Monastere is a fashion house dedicated to the education, practice, and curation of fashion design. The space forms a network for young designers, educators, retailers, and industry professionals to exchange fashion knowledge, techniques, and ideas in a collaborative environment. In addition to a café, the facility features a gallery space to showcase student work and host curated collections by renowned artists to provide funding for the design studios. The aim of the space is to encourage creative processes and to foster connections between the educational, cultural, and technological sectors of the fashion industry.

The architectural and interior spatial development of the project was inspired by the fauna observed in Istanbul. Derived from the anatomy and flight patterns of a seagull, the space is defined by sweeping forms that cocoon and accentuate. Modern materials such as steel, concrete, and glass define the space, creating a spatial environment that juxtaposes the traditional history of garment construction with the modern and technological practices of contemporary fashion design.

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Jessie Procyshyn  
St. Norbert Fashion House





## Ben Gaudes + Jessica Miranda

### Gatineau Landing

*The Capital Riverfront Challenge was a student idea competition put on by the National Capital Commission to realize the beauty of two existing parklands in the Capital Region, Jaques Cartier Park South in Hull, or Parkdale Node in Ottawa. Once students chose a park to redesign, the National Capital Commission made available open-data information and their Parklands Master Plan for future parkland development, a 115-page long document in which competitors were prescribed to abide by. Designs were expected to be a creative and complex strategy which addressed local ecological shortfalls and industrial caused pollution, responded to social requirements and issues, acknowledged Indigenous pasts and traditions, and manifested Canada's multiculturalism through landscape architecture. The Capital Riverfront Challenge ran from January to April, 2019, and received approximately 30 submissions nation-wide.*



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## Ben Gaudes + Jessica Miranda

### Gatineau Landing



The allusion to Hull Island's history is a subtle reminder of the sense of place that gives Gatineau Landing its allure. The design is inspired by its inhabitants and the Algonquin Peoples association with Chaudière Falls, located southwest of Jacques Cartier Park, as a sacred space. This association with the falls is the stimulus that structures and reorganizes the park to create a renewed connection with this place. The spatial configuration yields pockets of memorable spaces that provide new opportunities to see the park how it was as a landing and an industrial site and as it is now as a park with the Capital as its backdrop. This added sense of place coexists with the Hull Landing Garden and native planting throughout the park that recalls the qualities of this landscape during the pre-conial era.

This recovered natural history is complemented by placing a highly naturalized retention pond garden to cleanse the polluted soil of the site's industrial past and provide a place for contemplation and enjoyment of the evolving landscape. The aspiration of this park is to provide a place for contemplation and enjoyment of the evolving, remedial landscape. The design intention also aims to invigorate the identity of the park in light of the Capital that it faces. Gatineau Landing seeks to conserve views of the iconic Parliamentary and Judicial precincts from the park while simultaneously enhancing the view of the park through the opening on the river's edge from the Capital's side. The area around the Heritage House is enriched with the introduction of subtle fluvial features, creating central points of interest looking both inward from, and outward to the Nation's Capital. A series of contemplative and remedial spaces are orchestrated to offer visitors a wide range of sights to see within the park in addition to the Capital landmarks across the river. In this visual dance between Ottawa and Gatineau, it praises the cultural landscape of the NCC lands and celebrates Hull Island's riverfront for its contribution in igniting the foundation of Ottawa and speaks to how Canada can further grow as a nation that reflects on its past and move forward with reparative intentions.

Gatineau Landing won second place design for Jacques Cartier Park but was a runner up in the overall competition.

**Jessica Miranda** received her Bachelor of Environmental Design in June 2018 with a focused study in Landscape + Urbanism. In 2018 she participated in the pilot year of the Faculty of Architecture's Co-op education program and completed a summer work term at Urban Strategies Inc. in Toronto, Ontario as an Urban Design intern. In pursuit of being part of the remediation, evolution, enjoyment and beauty of our landscapes by using her acquired knowledge from her studies and short professional career, Jessica intends to continue her education at the University of Manitoba in the Master of Landscape Architecture program.

**Benjamin Gaudes** is a recent graduate of the Faculty of Architecture Environmental Design program at the University of Manitoba. In April 2019, Benjamin received second place in the Capital Riverfront Challenge with Jessica Miranda for 'Gatineau Landing,' a design for Jacques Cartier Park South which celebrates Hull's past and provides a wide array of immersive, contemplative horticultural experiences. Benjamin has plans to pursue a Masters in Landscape Architecture and is excited to experience the landscape architecture and urban planning precedents which he has been studying throughout his undergraduate degree.



# Jamie Coverini

## Recovering North Harbour

*Advisor: Jean Trottier*



**Jamie Coverini** received her undergraduate degree in the Landscape + Urbanism option in 2016. She is now enrolled in the Master of Landscape Architecture, having just completed her first year of studies. Jamie currently employed at the Downtown Winnipeg BIZ in the Placemaking + Transportation department, working along others committed to improving our downtown environment. She believes landscape architecture's greatest power is to engage the mind and to make explicit the connectedness between us and the world around us. Her research will focus on how humans attempt to remove their presence from the landscapes they inhabit.

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## Jamie Coverini

### Recovering North Harbour

*Advisor: Jean Trottier*



We can begin to understand the city of Thunder Bay through the traces it has left on Lake Superior. Thunder Bay, situated at the head of the largest freshwater lake in the world, is one of 43 Areas of Concern (AOC) identified in 1987 by the Great Lakes Water Quality Agreement. An AOC can be defined as significant ecological and cultural impairment to the lake as a result of human activity. Human alteration to the landscape has obstructed the flow of water and people to Lake Superior - affecting both the quality of ecological systems and the quality of life in Thunder Bay. An urban framework is developed to make Thunder Bay a national hub for freshwater research, filling gaps in the existing waterfront network with research facilities and public space - providing employment, education, and recreation while increasing accessibility to Lake Superior. Thunder Bay's North Harbour (TBNH) is reimagined to exemplify this framework.

TBNH has been host to a paper mill for over a century but has not been in operation since 2007 due to an ongoing assessment of contamination. The mill has recently been demolished but had been discharging waste water into the lake since the 1920s. As a result, the harbour is covered in approximately 26 hectares of contaminated sediment up to 4 meters deep - containing mercury, total organic carbon, resin acids, and copper. The planned cleanup of TBNH offers an opportunity for the landscape to become a research ground for industrial contaminants while integrating a waterfront public space.

The recovery of TBNH is as much spiritual as it is ecological. Remediation of the site aims not to erase the effects of humans on the lake but rather to make them visible - to reveal the connection between us and the water - to create a place of reflection. North Harbour offers a venue to reflect upon the traces human activity has left, and continues to leave, on Lake Superior.

Though the contaminated sediment will be dredged from the bottom of the harbour, the footprint is extracted above the water's surface with a grid of pilings to create a powerful immersive experience. These pilings work below the surface to enhance ecological recovery by encouraging the movement of fresh sediment in the benthic zone.

TBNH's location at the end of the breakwater offers the unique opportunity to bring people out onto the lake with spectacular views of the Sleeping Giant, Thunder Mountain, and of the city. Once the contaminated sediment is dredged, the breakwater is strategically perforated to allow fresh water to enter the harbour and enhance natural sediment recovery. A walkway is introduced along the rubble infrastructure terminating with a viewing platform cantilevered over the edge of the new opening. This journey to the end of the breakwater is one of increasing vulnerability. As you step off the land and move out into the open water, different edge conditions choreograph the waves to create intimate moments with Lake Superior. Until finally at the edge of the platform, with the wind howling and water rushing beneath your feet, you are completely subjected to the power of this Great Lake.





# Partners Program

5468796 Architecture Inc.

Architecture 49

Barkman Concrete Ltd.

BLDG Architecture Office Inc.

Bockstael Construction Limited

Cibinel Architects Ltd.

Crosier Kilgour & Partners Ltd.

DIALOG

EQ3

EQ3 Ltd.

FT3

HTFC Planning & Design

Kobayashi + Zedda Architects Ltd.

Manitoba Hydro

Manitoba Masonry Institute

Number TEN Architectural Group

Palliser Furniture Upholstery Ltd.

PIDIM

Prairie Architects

Price Industries Ltd.

Public City Architecture

Shelter Canadian Properties Limited

Stantec Architecture

Unit 7

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## Cibinel Architecture

### Cibinel Architecture Ltd

Cibinel Architecture is a professional consulting firm located in Winnipeg, Manitoba, offering personalized service to institutional, corporate, and commercial clients. Having grown into a respected design studio, they focus on innovative solutions that embody meaning in their design.

Cibinel Architecture attracts clients with unique design challenges who are looking for leading edge solutions to building designs. The firm takes a holistic look at the project and its context – the cultural, social, and economic environment; the client's functional and unique needs; budget and schedule constraints; detail development and construction techniques; as well as the overall mission of the client and post-occupancy satisfaction. It is this understanding that guides the design through to a responsive solution.

The firm is both multi-dimensional and integrated. The 15-person team includes senior level architects and recent graduates, senior technical specialists; a LEED accredited professional, in-house interior designers and graphics specialists.

Since its inception, Cibinel has pursued designs that enable and encourage personal and physical well-being. We create spaces that encourage community engagement, where people can come together and exchange ideas – places where people enjoy being, and are able to thrive and grow. Cibinel had its roots in 1993, in the partnership of Corbett Cibinel Architects; incorporating as Cibinel Architects Ltd., in 2008, and establishing Cibinel Architecture Ltd., to carry on the practice in 2015.

1. Transcona Library, Winnipeg, MB

2. Winnipeg River Heritage Museum, St. Georges, MB

3. University of Manitoba Smartpark Innovation Hub, Winnipeg, MB



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## Cibinel Architecture





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## Prairie Architects Inc.



**prairie**  
architects inc.

Prairie Architects Inc. continued to build upon its own principles of sustainability this past year. We can now proudly showcase our environmental sustainability and ecological sensitivity with our own recently completed **101 – 139 Market Avenue LEEDv4 Commercial Interiors Platinum certified office**, Manitoba's first and Canada's second LEEDv4 CI Platinum space and recently awarded Canada Green Building Council's 2019 Excellence in Green Building - Tenant Improvement award, our office project marks Prairie's 27th LEED certified building and our 4th LEED Platinum project out of only 10 LEED v4 Platinum projects throughout Canada. We continue to focus on delivering design excellence showcased in a number of significant projects completed for our valued clients:

**Building Blocks on Balmoral at Great-West Life** is an exemplary case study highlighting Prairie's successful adaptive re-use of a heritage building and integrating modern building technology. The William E. Milner House, a once vacant and derelict grade III heritage building, now sits at the heart of a much-needed facility providing 100 licensed childcare spots to Great-West Life employees and its surrounding West Broadway community. In addition to the extraordinary measures that Great-West Life undertook to rehabilitate the heritage building, there is another equally impressive story of a transformation that catapulted the building to be among the leaders of sustainable, energy conserving and healthy buildings in Canada, achieving LEED Platinum certification in 2018 and awarded the 2019 SABMag Canadian Green Building Award in the Institutional Small Category.

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## Prairie Architects Inc.

**The City of Winnipeg's Seven Oaks Pool** now showcases a new indoor splash pad – the pool opened in early 2019 as a first of its kind in Winnipeg! The addition and renovation scope targeting LEED Silver certification includes an addition of a large space to house the indoor splash pad and new teach pool. The Project sought to blur the new construction and renovation scope of work while incorporating new universal / family change rooms, universally accessible washrooms, enhanced public viewing lobby, and a new multipurpose room serving as event space for the public.

**“We continue to focus on delivering design excellence showcased in a number of significant projects.”**

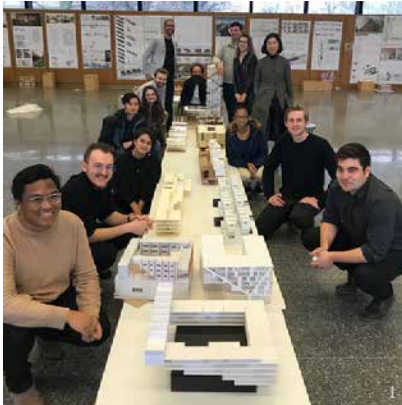
**The City of Brandon YBR Airport Terminal** expansion was designed to accommodate larger airline carriers and modern passenger check-in, screening, boarding, luggage and arrival services. The project team developed a multi-phased approach that maintained seamless daily operation of the terminal and minimized any impact on passenger travel during the full duration of construction. The final phase of operations joined both Phase 1 and Phase 2 resulting in the entire facility being operational in 2018 as scheduled, a process which was executed overnight with zero impact on the daily operations of the facility. The airport terminal is targeting LEED Silver certification.

*Photographer Credit: Lindsay Reid*



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## 5468796 Architecture Inc.



Working around a single table, 546 unites the diverse knowledge and experience of twenty professionals. Together, we seek innovative solutions in response to the varied demands of client, context, and program. We believe that great design need not be expensive and continually seek out opportunities to explore and execute affordable, cost effective solutions for buildings and public environments at a variety of scales and typologies.

Projects currently in construction include the **James Avenue Pumping Station Apartments**, with three new mixed-use residential structures going up along the Red River in Winnipeg's East Exchange district. The completion of **Beacon** clinic is anticipated for fall 2019 — a 2-storey, 25,300 sqft commercial hub, its programme is enhanced by the introduction of lightwells, which

permeate three distinct clinic spaces, down through main floor commercial uses, and into the parkade structure below. Calgary projects **CY33**, **Lin El One**, and “parkade of the future” **9th Avenue Parkade and Innovation Centre** are all currently under construction, while recently awarded Saskatoon mixed-use project, **CasBa**, is expected to transform the former Caswell Bus Barns site into a vibrant residential community designed with artist and maker spaces at its core.

Over the course of this past year, a range of project work was recognized in competitions, publications, and awards, including the James Ave Pumping Station, recipient of a Canadian Architect Award of Merit and named category finalist for Future Residential Project by the esteemed World Architecture Festival for its proposed new builds; 62M, an Azure Award of Merit for best multi-unit residential project; Crossroads Garden Shed, voted Architizer A+ People's Choice Award for Urban Transformation; Maples Chiropractic Clinic awarded Interior Showcase of the year at the Prairie Wood Design Awards; and a Winnipeg Heritage Preservation Award for the rehabilitation of the Porter Building.

Personal achievements within the office also defined the 2019 year. 546 Associate Kenneth Borton was awarded the Royal Architectural Institute of Canada's prestigious Young Architect Award for excellence in architecture and contributions to the profession, education and community, while four

other graduates of FAUM — Apollinaire Au, Pablo Batista, Jeff Kachkan, and Kelsey McMahon — achieved their professional designations.

Appointed Morgenstern Visiting Chair, 5468796 Architecture conducted a winter studio at the College of Architecture, Illinois Institute of Technology. The Chicago term wrapped with hosting the **platform.MIDDLE symposium**, where design experts from around the globe were invited to present expertise and workshop ideas around housing. A formal exploration of the propositions, responses, and provocations generated from the symposium is planned for fall publication. In addition to this discourse, the 546 office is constantly working to create parallels in our practice in order to engage iterative, open-ended and ultimately flexible processes in design that allow us to achieve much more than initially imagined.

These highlights are a glimpse into our recent explorations — instead of looking for silver-bullet solutions our practice pursues invention as a way to re-instate legitimacy of Architecture in everyday life. We do so by finding opportunities in the most rudimentary of briefs and re-imagining the role of architecture in our city. While aiming to execute our agenda locally on all fronts, from advocacy to teaching to public engagement and making, our work continues to be recognized throughout the world for its resilience, resourcefulness and the rigorous pursuit of innovation, further inspiring us to re-invent our approach for every new challenge.



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5468796 Architecture Inc.



1. Final Studio Presentations, College of Architecture, Chicago IIT. 468796 Architecture
2. 9th Ave Parkade. Calgary, AB. 5468796 Architecture
3. 9th Ave Parkade Future Conversion. Calgary, AB. 5468796 Architecture
4. James Ave Pumping Station. Winnipeg, MB. 5468796 Architecture





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## HTFC Planning & Design



2019 is a milestone year for HTFC Planning & Design as we celebrate 50 years of practice as a firm. It is with reflection on a half-century of design practice in Manitoba, the prairies and across Canada, and anticipation of what lies ahead at a time when the fields of landscape architecture and planning are rapidly changing, that we find ourselves drawing on our roots to inspire our future. We believe our professions and our collaborative approach to our work are more important than ever as Canada faces complex environmental challenges and a new ways of living together through multiculturalism and reconciliation.

HTFC was founded by Garry Hilderman, a graduate of the University of California, Berkeley, who chose to return home to Winnipeg in 1969 to start Hilderman & Associates. Garry's pioneering spirit and belief in the importance of the connection between people and land at all scales, helped expand the definition of landscape architecture on the Prairies. His growing practice branched into land management, landscape planning, economic development and sustainable design and eventually evolving into the multidisciplinary firm we are today.

HTFC strives to do the right thing for the land and the people we work with in each of our projects while often charting the path to new ways of doing things in the process. Our work and our willingness to push the boundaries of our profession have been recognized with many community and professional awards over the last 50 years. But the value of our practice is much more than awards. For us it is about developing meaningful relationships, creating vibrant, healthy

and sustaining environments, and helping our clients to plan, realize and manage their best future. Here are a few of the things we are undertaking in our 50<sup>th</sup> year to give back to our community and to celebrate this journey.

**HTFC Planning and Design Canadian Indigenous Design and Planning Fellowship.** To mark our milestone anniversary, we wanted to give back to the University of Manitoba, through the establishment of a Canadian Indigenous Design and Planning Fellowship. This annual \$5,000 scholarship is awarded to a graduate student in the Planning and Landscape Architecture Departments of the Faculty of Architecture who demonstrates a strong interest and commitment to Indigenous planning or design. We are very excited to support the first HTFC Fellowship recipient, Naomi Ratte (U of M B.Env.D. 2016), as she begins her Masters of Landscape and Urbanism degree at the U of M in the fall of 2019. Naomi, a Peguis First Nation member, is interested in studying how to honour the past, present and future generations of Indigenous peoples through landscape while embracing an Indigenous voice throughout the design process. As the incoming President of the Landscape Architecture Students Association, Naomi wants to bring Indigenous issues into greater focus and importance at the school, encouraging both her peers and the faculty to explore their place and their future roles in the story of Truth and Reconciliation.

HTFC has specialized in Indigenous Design and Planning since the early 1970s, working closely with communities across Manitoba and Canada on a variety of work from land claims, community planning and traditional knowledge studies to the design of culturally significant public spaces such as the Oodena Celebration Circle at the Forks. We believe it is our responsibility as an established firm who pioneered work in this area of practice to support the growth of Indigenous planning and design at the University of Manitoba. Intake for this scholarship will occur in April and May of each year. Information regarding the eligibility, criteria, and 2020 application deadline can be found at: <https://umanitoba.ca/faculties/architecture/award/HTFCCanadianIndigenousDesignandPlanningFellowship.html>

**Landmarks: Pivotal Moments in a Half Century of Design.** Building on a two year run of Winnipeg Free Press articles that focused on raising public awareness of the design of the environment that

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## HTFC Planning & Design

is all around us and sustains us every day, HTFC is continuing our partnership with the Free Press by hosting a series of deeper conversations about the landmark plans, partnerships and places that have shaped our province. In this next series entitled *Landmarks*, we focus on pivotal moments, when new ideas altered the course of development and influenced how we see ourselves and our communities. Each article follows the changing public discourse around these moments over the last half-century, and examines them within wider social, cultural and political contexts to draw lessons for the future. The June 2019 premiere article '*Landmarks: The Path Forward*' explores the evolution of provincial parks planning in Manitoba using the first project officially recorded in HTFC's books - the 1969 Whiteshell Provincial Park Master Plan - as a jumping off point for discussion around the purpose, creation and management of provincial parks then, now and into the future. Upcoming *Landmarks* articles arriving to newstands and digital tablets this year will focus on educational design, urban density and renewal, and transportation planning. All articles are archived and can be found at [HTFC.ca](https://www.htfc.ca).

**Office Redux.** When HTFC (then Hilderman Feir Witty and Associates) first moved in to the newly renovated Brokerage building in Winnipeg's East Exchange district, a CN rail spur ran along what is now Waterfront Drive, and the neighbourhood was void of sidewalks, cafés, or roundabouts. The transformation of heritage-classed warehouses into residential and cultural spaces was just beginning. The Brokerage was originally built as a 5-story grocery wholesale warehouse in 1899. The substantial open floor plate, exposed brick walls, fir posts and roof decking, and top floor arched windows has generously offered a number of workspace variations for HTFC for over three decades. In the last few years, a growing staff complement combined with the need for more flexible meeting and social space (and much emphasis on a functional kitchen), spurred an ambitious renovation to the fifth floor and a refresh of the fourth floor. Local furniture makers and artists have contributed to the finer details of custom white oak meeting tables, a re-imagined cast iron planter from the building's original boiler, and a hand painted wall mural inspired by an 1806 northern Manitoba waterways map of Indigenous land based knowledge of medicinal and mid-boreal plants. We are thankful to the artists and our friends at Number TEN Architectural Group for their design and attention to detail that inspires and delights us every day. Consider this your invitation to come by and see for yourself – the kitchen is always open!

**Social Lite.** Over the course of this celebratory year, the HTFC social media team is curating a weekly series under the banner *50 Things #htfc50* consisting of past gems, iconic projects, and some not so serious moments in our history scoured from the archives. And no anniversary is complete without a party – or in our case several. A number of celebrations are planned for our colleagues and collaborators, a fall homecoming for former staff, and a client family winterfest at Oodena Celebration Circle in early 2020.

We extend our sincerity and gratitude to all of the HTFC family who have gone before us and to the many others who have been at our side helping to shape a great 50 years of practice. We look forward to charting new horizons with all our colleagues and collaborators across the country as we embark together on new opportunities and challenges the future holds.

1. Katherine Boyer, 2019
2. Oodena Celebration Circle, The Forks, Winnipeg





Connectivity





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## Centre for Architectural Structures and Technologies

Building upon the reputation and potential of the facility to promote new research directions from the best researchers in the field, the 2018/2019 academic year begun with a newly formed collaboration between C.A.S.T. and the Living Systems Architecture Group (LASG).

Founded and directed by Philip Beesley, a practicing artist, Architect, and Professor in Architecture at the University of Waterloo, the LASG is a multidisciplinary research group dedicated to developing built environments that can move, respond, and learn, with metabolisms that can exchange and renew, and which are adaptive and empathic towards their inhabitants.

C.A.S.T.'s collaboration with the LASG will open the doors for new areas of research, inviting the exploration of the generative and often transformative growing new field of responsive, adaptive, and sustainable Architecture. The partnership will also offer opportunities for C.A.S.T. researchers to work collaboratively with researchers from around the world and across disciplines to explore new ways of understanding the deeply interwoven living world, surging technologies, responsive systems and engineered materials. This collaboration will offer C.A.S.T. researchers the opportunity to present their work at numerous academic forums and Internationally distributed publications, reintroducing C.A.S.T. as a ground-breaking research facility, and attracting visiting researchers from across the globe.

To initiate this exciting collaboration, an intensive 7-day workshop will take place in C.A.S.T. in spring 2020 offering an

incredible hands-on opportunity for students to work with Philip Beesley and LASG researchers. It will consist of an advanced, hands-on exploration of pioneering building technologies coupled with an imaginative theoretical advancement discussing the future of Architecture. The workshop will focus on experimental fabrications and innovative examples of lightweight experimental construction systems. Its final objective will be to construct a full-scale public installation followed by a collaborative publication.

### **... inviting the exploration of the generative and often transformative growing new field of responsive, adaptive, and sustainable Architecture.**

This year as well, in order to advance its objective to attract and encourage collaborations with the construction industry interested in researching innovative construction methods, C.A.S.T. established a partnership with the Canadian Pre-cast Concrete Institute (CPCI). Through their generous support, C.A.S.T. was able to pursue a number of initiatives, one of which was to invite researchers such as Architect Ronnie Araya to participate in a 4-week research in residence appointment. During his time, he collaborated with Lancelot Coar to offer a challenging and successful topics course and workshop on fabric forming concrete, in C.A.S.T.

Looking forward into the 2019-20 academic year, with the support of the Faculty, the Partners Program, and our collaboration with LASG, we plan to produce a compilation and curatorial of the research that has been completed in C.A.S.T. over the last 20 years. This project will document C.A.S.T.'s history and the ground-breaking contributions it has made to research surrounding building technology, materials, and construction in a "legacy" publication. The ambition is to institute a publication that will cultivate an ongoing local, regional, national, and international presence among scholars and industry professionals in hopes to establish further collaborative partnerships, and continue to provide a space for cross-disciplinary between researchers in the Faculty of Architecture and others.

*1. C.A.S.T. is looking forward to the exciting newly formed collaboration between C.A.S.T. and the Living Systems Architecture Group (LASG). Beesley/LASG workshop will be held in C.A.S.T. in spring 2020! ([livingarchitecturesystems.com/project/dissipative-architectures](http://livingarchitecturesystems.com/project/dissipative-architectures))*

*2. C.A.S.T. workshop series: ceramics slip casting workshop with ceramic artist Kevin Stafford. Fall 2018*

*3. Lancelot Coar in collaboration with invited researcher and Architect, Ronnie Araya, offered a fabric forming workshop in C.A.S.T. Winter 2019. (Photo by Alex Squire)*

## Knotting as a Spatial Practice: Murmurate

Digital technologies allow increasing levels of complexity in tooling and production and, as a consequence, we are able to produce nonstandard products and highly crafted surfaces. This project invites us to engage with the craft of knotting and weaving and digital technologies in the production of a Birdwatching Hideout in the St Norbert Art Centre (SNAC), 100 rue des Ruines du Monastère, Winnipeg, Manitoba. The installation, entitled *Murmurate*, is a Birdwatcher's hideout in SNAC constructed by the Master of Interior Design students at the University of Manitoba. It is the product of a two week long, intensive studio which was instructed by Associate Professor Tijen Roshko (BID, M.Sci.), Fab Lab Director Kim Wiese (BID, M. Arch) and Fab Lab Manager Jason Hare (M. LArch.).

From the earliest inception stages of the project, the prime objective was to develop a relationship with local artists and to tap into the local knowledge of craft and knowhow. In this case, Winnipeg artist Sara Clark implemented a two-day workshop on knotting techniques and on how to knot. Armed with this new knowledge, the students crafted the installation on the grounds of SNAC. The hideout explores traditional knotting and weaving techniques as a structural foundation. Without resorting to any rigid, metal joinery systems, such as nails and screws, *Murmurate* instead employed knotting and traditional textile techniques to explore and develop a system of connections and soft architectonics. The installation challenges the notions

of a threshold between nature and manmade, the material qualities of the knotted/weaved skin, scale and density, flexibility and rigidity. "Knots are contradictions. In their object form, they exist between obstruction and liberation. As hindrances, they impede flow of systems and become a source of aggravation and pain. Once they are in their constructive form, they may connect disparate parts as an element of repair. They can hold things in place to create safety. Clifford Ashley in his book defines them as tools (1944). In this platform of contradictions, their

**"Murmurate employed knotting and traditional textile techniques to explore and develop a system of connections and soft architectonics."**

symbolic, technical and functional properties are defined by the materials, techniques and cultural meanings of their production (Rabyniuk, 2016).

Knots and knotting can be considered as a process of production and spatial practice. In essence, as summarized by Rabyniuk (2016), knots are produced according to a set of binary acts: over and under, right and left, front and back. Rabyniuk then surmises that this basic relation constitutes the more advanced set of actions which defines knotting as a spatial practice (2, 10-11). The spatiality, i.e. *Murmurate*, is a form of division and

separation and, simultaneously, it is one of consolidation between man-made and nature, inside and outside. In essence, the proposed installation, with its rich social and symbolic potential, has a structured network which embodies elements from both manmade and natural environments." (Roshko, 2019)

The students composed the following narrative to define their work and its conceptual foundation;

"The site within the forest surrounding St. Norbert Arts Centre was chosen for its unique conglomeration of leaning and straight trees, alluding to sweeping figures and offering opportunities for encasing and elevating. Knotted both on and off site, *Murmurate* implements anchor hitches, good luck knots, donut knots, square knots, and common whipping.

The dynamic system, that is a murmuring group of starlings, occurs in each individual bird's proximal and spatial sensing of its neighbour, allowing a single starling to take part in a coordinated murmuration. What ensues is a cohesive dance among the sky—soaring, swooping, and patterning. In response to the ephemerality of these dances, *Murmurate* is intentionally constructed from natural ropes that will deteriorate and integrate with the forest and its inhabitants. Good luck knots hug the trees and act as structural anchors and connecting points, while allowing the trees to continue to grow. *Murmurate* is knotted to create a spatial environment that is intended to invite a moment of pause

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## Knotting as a Spatial Practice: Murmurate

in a spatially juxtaposed formation of knots that encompasses resting birders. The interstices that occur as a result of the constructed knotting patterns encourage sitting, leaning, and peeking.” (Murmurate, 2019)

In a manner similar to the murmuring birds, the Installation murmurs as one with nature for an indeterminate period of time as the natural aging process and Nature itself reclaims it. In the meantime, it remains a manifestation of the joy of making and crafting and of the student experience at the University of Manitoba.

*Ashley, Clifford. (1944). Ashley Book of Knots. NY, London: Doubleday.*

*Rabyniuk, Andrew. (2016). Knot/Knotting Practice in Craft and Space. Master Thesis, Queen's University, Cultural Studies Program, Kingston, Ontario.*

*Roshko, Tijen. (2019). Course Outline, Department of Interior Design, University of Manitoba. "Knotting as a Spatial Practice". ARCG 7080 T60, unpublished.*

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## University of Manitoba's Design Build Collaboration with Shoal Lake 40



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## University of Manitoba's Design Build Collaboration with Shoal Lake 40

"As a loose metaphor, engineers are not all stiff and architects are not all sparkles." These were the words of a student who partook in a collaborative design and build course for Engineering and Architecture students at the University of Manitoba (U of M) this past summer. Fourteen students from the two Faculties had the unique opportunity to work with the community of Shoal Lake 40 First Nation, an Indigenous community located on Shoal Lake at the Manitoba and Ontario border, to collaboratively design and build an outdoor feasting pavilion that acts as a place of celebration and memorial, a project chosen by the community

**"...because only in working together with each other can we even hope to help heal the wounds to bring our communities together."**

A century ago, Shoal Lake 40 became landlocked when an aqueduct was built to service fresh water to Winnipeg. The aqueduct construction resulted in the community being permanently cut off, leaving residents to travel by water or an ice road to get to the mainland. This year marks the completion of the appropriately-named Freedom Road, a 24 km long road connecting Shoal Lake 40 to the Trans-Canada Highway. The road will allow for a new water treatment plant to be built to end the community's boil-water advisory, and a new school in the future. The new feasting pavilion is the first structure built from Freedom Road and celebrates its completion while paying respect to lives lost to prior dangerous travel conditions.

The course was led by faculty members Shawn Bailey and Farhoud Delijani from Architecture and Engineering, respectively, with the support of Faculty leadership. The course was held over 8 weeks in May and June 2019, taking the students through a complete process from conceptual design to detailed design, culminating in a week of on-site construction at Shoal Lake. Student portfolios documented their work.

The design process began with a site visit to Shoal Lake 40 by the U of M students, where they joined a drum ceremony and listened to life stories from community members. The students participated as the community chose an undisturbed site on the shore of Shoal Lake for the pavilion. Back in studio, students participated in a design charrette to brainstorm ideas and narrow in on one idea for development. Talks from Elders at Migizii Agamik, the Indigenous student centre on campus, helped students gain a deeper understanding of the Indigenous culture throughout the weeks of design. This process entailed group discussions, computer 3D modelling, and a physical scale model of the pavilion presented to the community on the day of the Freedom Road Celebration Powwow. Students created a full set of construction drawings for the 18 x 30 ft pavilion to accommodate 50 people. Cedar was chosen as a building material, since it was natural, of the land, and naturally rot and insect resistant.

With approval from the community to continue with the chosen design, students ordered materials and worked at the Alternative Village on the U of M campus to pre-cut and pre-fab materials

and problem solve issues that may delay construction on site. In the meantime, Aaron, a member of Shoal Lake 40, and his work crew poured the concrete foundation slab for the pavilion.

**"In designing our structure, we wanted it to touch the land as lightly as possible and be as open as possible, so you remember that you're connected to the forest, lake and sky."**

A full week of on-site building at Shoal Lake took place in late June, with long days and an increasing sense of comradery between students and community members. At the end of that week, the main structural members were erected, leaving Aaron and his crew to finish installing the roof. In the future, students from Shoal Lake 40 will be building picnic tables for the pavilion.



@shoallake40designbuild

## University of Manitoba's Design Build Collaboration with Shoal Lake 40



At the end of the course, students were asked to reflect on their experience. Below are excerpts from an interview with Sean Vandekerkhove, a 4th year Environmental Design student in the Faculty of Architecture and Chelsea Dubiel, a 5th year Biosystems Engineering student.

### **What was an important thing you learned about the Indigenous culture and the community of Shoal Lake 40?**

**Sean:** The most important thing I learned was during the tobacco ceremony when we were asked to offer some tobacco back to the land. We were reminded to always think about the land. In architecture and design we don't think about the land as much as we should. Architecture tends to be inconsiderate of its surrounding and context, instead of healing, preserving and connecting to the land. In designing our structure, we wanted it to touch the land as lightly as possible and be as open as possible, so you remember that you're connected to the forest, lake and sky.



### **What were other important design choices for the pavilion?**

**Chelsea:** The structure was built with many features in mind to connect the users with the space around them. Aspects of the orientation of the building provide a connection between the road and the water. The building is oriented east to west acknowledging traditional Indigenous beliefs. The three-piece columns contribute to creating a space open to the land and the exterior rafters that point upwards create a connection to the sky.

### **What is this project's significance to Reconciliation?**

**Sean:** It was always a thought on our minds when working on this project and very important to think about. This project was a good step towards reconciliation and working with the community, because only in working together with each other can we even hope to help heal the wounds to bring our communities together.

**Chelsea:** As someone who has been living in Winnipeg all my life, it is my responsibility and honour to be a part of this project. I was born on stolen land and have grown up on stolen water. Shoal Lake No. 40's story is a unique one but all too common story for many Indigenous communities. Colonization and the development of Canada, and Winnipeg in this case, has led to devastating results for Indigenous peoples. This project is one small step towards reconciliation. Being able to incorporate the youth, both from U of M and from the community has established roots, roots that we hope will grow.



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## University of Manitoba's Design Build Collaboration with Shoal Lake 40

Reconciliation can be seen in small-scale projects, such as this, long term legislation, and so much more. We hope this project will ignite a fire of realized appreciation and obligation towards reconciliation.

### **What was it like partnering and working with Shoal Lake 40?**

**Sean:** It was good having the community there with us, working along side us, because we could all learn together. There were things that the community knew how to do better and some things we knew how to do better. We were able to learn from each other and share knowledge. Having the community build together with us, we hope gives them a greater sense of ownership. Without them, the project wouldn't have as much significance.

**Chelsea:** It was a great experience! Getting to work so close and for an extended period with community members was an honour. Getting to know the people of the community, learn about their people's history, and their personal histories I believe is critical for any successful project. Being able to have empathy, understand the needs of the client, and be able to interpret that into a useful design is at the heart of any project.

### **What was it like to have engineering and architecture students working together?**

#### **What did you learn from each other?**

**Sean:** The collaboration was very important to the success of the project. Having the chance to work with engineers was a great benefit, especially having engineers from the different [disciplines]. They all have their views and competencies, so you have the opportunity to learn from everyone. The collaboration reflects the reality of a

real working environment, where you need a variety of people to get projects done.

**Chelsea:** I learnt many things about the architecture process, which has some similarities but many differences to the engineering design process. It was very fun working with architecture students because we were able to apply our creative minds and remove (sometimes) our engineering minds that may restrict us from moving forward with a design. The things I learned from the architecture students will assist me in becoming more creative and open-minded to certain design features. As an engineer, I will now always consider how users are interacting with the design and how the aspects of light, openings, material used, etc. will make the users feel.

### **What did you most enjoy about the project?**

**Sean:** The final build week in Shoal Lake and seeing the project come into reality. That's the most exciting part of the project, when the project comes to completion and everyone's hard work is finally realized.

**Chelsea:** Everything! Getting to design, learn, take part in community events, and build a large portion of the structure was so enjoyable. Getting to spend time in the community was no doubt the most valuable portion of this class. The site itself is very special to me. We spent so much time there, building, swimming, relaxing by the fire that now I feel like I am connected to that space. One other thing that made me so happy was to hear that the community reached out to the family members of the last people who lived traditionally on that site and have given them the right of naming the site. This is exemplary of Indigenous world views and the respect they have for their people and the land.





## Cooperative Education Integrated Work Program

*More diverse job placements. Enhanced networking opportunities. National student recognition.* These are highlights of the Cooperative Education/Integrated Work Program (Co-op/I) over the last year.

In 2019 twenty Co-op/I students earned work terms with employers in Winnipeg, Brandon, Portage la Prairie, Toronto, Saskatoon, Red Deer, Edmonton, Calgary, and Dubai. These twenty placements represent not only an increase from the sixteen job placements secured in 2018, but also greater diversity. This year, students from every discipline in the Faculty of Architecture secured work terms. Positions range from community and landscape planning, to interior and architectural design, to construction and project management. While every Co-op/I student did not secure a job, 74% of students who applied to work term positions earned an interview, and everyone benefited from career-development workshops.

Networking and skills-development are key components of Cooperative Education. Required workshops cover interview skills and professional communications, as well as resumé composition and cover letter writing. In 2019 we added a new portfolio workshop, involving fifty students and nine professionals, who mentored students via candid counsel, personal feedback, and inspiring example. We are especially grateful to the participating professionals from 1x1 Architecture Inc; 5468796 Architecture

Inc; BLDG Architecture Office Inc; Cibinel Architects, Ltd; ft3 Architecture Landscape Interior Design; HTFC Planning & Design; Pico Architecture Inc; and Republic Architecture Inc.

**“...designed to complement academic study with experiential learning. Work terms help students develop skills, broaden perspectives, and consider future career specialization.”**

Every Co-op/I student is rewarded with professional experience and leadership opportunities. This year one student further earned national recognition for innovation in sustainable design. Bianca Dahlman won the 2019 Students Leading Sustainability; Andy Kesteloo Memorial Project Award, granted by the Canada Green Building Council (CaGBC). Bianca's winning submission was based on academic work initiated in an ED4 Architecture Design Studio, then enhanced with green design features developed while researching Net Zero Energy and zero carbon emission standards as a Co-op/I student with Alberta Infrastructure. For her outstanding achievements, Bianca also earned an honorable mention as the University of Manitoba 2019 Co-op student of the year. Read more about this student success story on UMToday > <http://news.umanitoba.ca/architecture-co-opstudent-awarded/>

### **Experiential Learning for all Disciplines**

Launched in 2018, the Faculty of Architecture's Cooperative Education / Integrated Work Program option is designed to complement academic study with experiential learning. Work terms help students develop skills, broaden perspectives, and consider future career specialization.

Work terms are open to any Faculty of Architecture student in good standing who has completed 85 credit hours of University studies. This includes students in the last two years of the undergraduate Environmental Design program (ED3 and ED4) in any option – Architecture, Interior Environments, and Landscape + Urbanism; students in the Architecture Master's Preparation stream (AMP1 and AMP2); and graduate students in any professional program – Architecture, City Planning, Interior Design, and Landscape Architecture.

### **Hire a student for summer 2020**

If you want to diversify your team with skilled student assistance and mentor the next generation of design professionals, please consider posting a Co-op/I work term opportunity. To find out more, visit the Faculty of Architecture website or email the Co-op/I Coordinator, Corrine Klekta, at [faumcoop@umanitoba.ca](mailto:faumcoop@umanitoba.ca)

The Faculty of Architecture's Co-op/I program meets the province of Manitoba's definition of Co-op, making employers eligible for the Manitoba Paid Work Experience Tax Credits.

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## Cooperative Education Integrated Work Program



**Our first experience with the Faculty of Architecture's Co-op Program was excellent. The Co-op Program offers the Profession the opportunity to have a closer relationship with the Faculty. And that in the end will be a benefit to all.**

**- Marty Kuilman, Senior Associate Architect  
Verne Reimer Architecture Inc.**



**The value of the co-op program rests in how it gives students the competitive edge, and knowledge needed to bridge the gap between school and the workplace. I was a successful example of this, as my co-op position led to a full-time job opportunity.**

**- Mia Papasotiriou, Undergraduate Interior Environments Student  
Jacobson & Greiner Group, Brandon**

### **Thank you to the 2019 participating employers:**

Alberta Infrastructure, Technical Services Branch, Edmonton  
Bird Construction Inc., Winnipeg  
BLDG Architecture Office Inc., Winnipeg  
Diamond Schmitt Architects, Toronto  
Group2 Architecture Interior Design Ltd., Red Deer  
Group2 Architecture Interior Design Ltd., Saskatoon  
Jacobson & Greiner Group, Brandon  
Kirkor Architects and Planners, Toronto  
LOCI Architecture + Design, Dubai, United Arab Emirates  
Manitoba Municipal Government - Community Planning and Development Division, Portage la Prairie  
Number TEN Architectural Group, Winnipeg  
Private Pension Partners Inc., Winnipeg  
Rick Balbi Architect Ltd., Calgary  
St. James-Assiniboia School Division, Winnipeg  
University of Manitoba, Winnipeg  
Verne Reimer Architecture Inc., Winnipeg

## Product Catalogue Collection



**For me the LEGO brick embodies the notion of systematic creativity—that the rigour and rationality of the LEGO brick allows children of all ages infinite possibilities to create their own worlds and to inhabit them through play.**

**- Bjarke Ingels**

The PCC continues to be an invaluable resource for students and staff in the Faculty of Architecture. The PCC has focused on remaining current by bringing in new and innovative products for interiors and exteriors. Sustainability is also a key factor that is considered when introducing new products to the PCC.

New innovative products include a line of wall coverings that also performs acoustically; acoustic panels of varying thicknesses manufactured from 100% felt; architectural glass for interior or exterior applications; designer sheet metal available in a variety of colours, patterns, thicknesses and finishes; flexible metal woven fabrics for interiors and exteriors; and acrylic samples embedded with natural products.

In the past year, sustainable products that have been introduced to the PCC include shingles manufactured in Calgary

from recycled tires; fabrics composed of hemp and wool; stabilized aluminum foam samples made of 100% recycled aluminum; underlayments manufactured from 100% recycled rubber; natural stone products including Tyndall stone and agate; marmoleum flooring manufactured from linseed oil, wood flour and jute; leather products made entirely from recycled leather; and so much more.

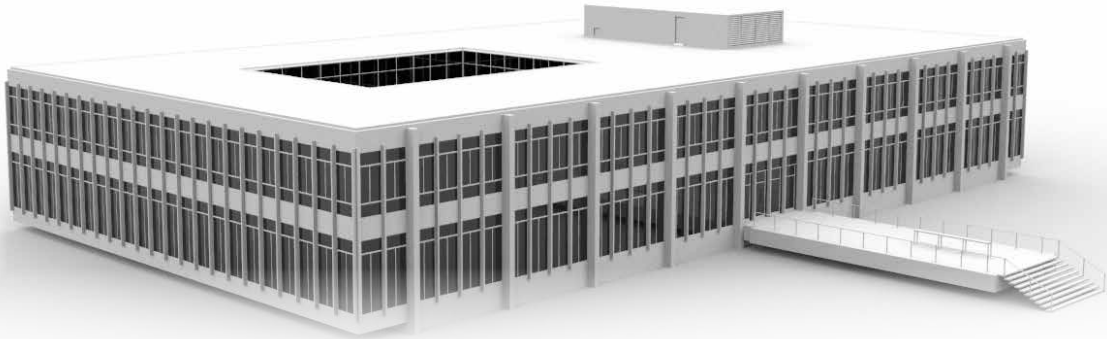
The PCC has also hosted a number of Lunch and Learn sessions, with representatives from Corian, Daltile, Benjamin Moore and Panolam Surface Systems providing information sessions on their products and new applications.

Other products have been updated with the newest product lines; the latest designs can be seen in the carpet, fabric and wood laminate samples.

A new feature that the PCC offers is a collection of Lego samples for students. A variety of baseplates and bricks can be signed out to create and test design.

The PCC invites you to drop by, browse and play.

## FABLab



It was an exciting year of implementing digital tools toward the facilitation of a variety of projects across the Faculty. From augmented reality to tensile cable net structures, the FABLab continued on its trajectory of digitizing the material and materializing the digital. The projects ranged from the completion of a detailed digital model of every building on the Fort Garry campus grounds, to assisting in visualizing and materializing the ‘The Cloud’, one of FAUM’s warming hut installations from this past year, as well as with the development of a waste calculating script in an effort to curb the dramatic increase of material waste created by the CNC router, specifically in relation to topography models.

An exciting collaboration, which had been in the works for the past year, came to fruition with the completion of the new Stanley Pauley Building. A room within this building was set aside to facilitate access and education on virtual and augmented reality tools. This room was outfitted with 2 HTC Vive Pro’s, a Microsoft HoloLens and 2 customized Alienware Aurora computers. The computers and VR/AR hardware are

fixed to a mobile platform, giving them the ability to be utilized in different spaces relative to the needs of studio’s, thesis work or research projects. Jason Hare worked directly with the MID1 course, directed by Tijen Roshko and instructed by Nicolette Layne, to implement a workflow which allowed each individual student to integrate their final project into an immersive and interactive experience. The final virtual environment was displayed at The Year End Exhibition for the public to ‘enter’ into and experience each individual student’s design intervention.

Along with virtual space the FABLab has continued its research into robotics, with the intention towards the use and implementation of tools which have the capacity to directly materialize digital forms. Jonathan Watts and Jason Hare were able to attend and take part in the ROBARCH2018 conference/workshops at ETH Zurich this past September. A variety of topics and techniques were discussed at the conference, including but not limited to; The milling and assembly of ‘whole timber structures’; ‘Jammed Architectural

Structures’; ‘Robotic Extrusion of Nonstandard Topology’ and ‘Informed Ceramics, Multi-axis Clay Printing’. The outcome of this conference was presented by Jonathan and Jason, resulting in the open call for anyone interested in Design | Robotics | Craft to join in the construction bi-weekly meet up around the subject matter. To-date we have members from the Faculty of Architecture, Engineering and Fine Arts. The group will meet again every second Monday commencing in October 2019, with an eye towards building tools that can help inform the materialization of digital forms.

Finally, this year also saw the addition of a few new tools in the FABLab to help meet the modelling needs of students across the Faculty. The FABLab now houses and supports a variety of material for the Form 2 3D printer along with a new D.I.Wire Pro (wire bender). The FABLab looks forward to the coming 2019/2020 academic year by developing and implementing programs that engender digital knowledge for members of the Faculty of Architecture and beyond.



## ‘CLOUD’ at the Sub-Zero Pavilion Warming Huts 2019

In celebration of the 10<sup>th</sup> anniversary of the Warming Huts Festival that takes place on the frozen landscape of the Assiniboine and Red rivers in Winnipeg, Sputnik Architecture teamed up with researchers and students from the Faculty of Architecture to create the Cloud at the Sub-Zero Pavilion.

This new venue became host to several exciting collaborations and events to mark this important milestone. They include performances by invited artist Terje Isungset (who performed original music on ice instruments harvested from the Red River ice itself) and members of the Winnipeg Symphony Orchestra, the Festival du Voyageur pub, and sculptures created by renowned ice architect Luca Roncoroni. Because of the delicate nature of ice, the site required a structure to protect it from the effects of the sun, carry no snow load, withstand the high winds of the site, and span the large 5,000 square foot area under which these sculptures would reside.

In response to this, the Cloud Team developed a long-span diagrid tensile steel net carried by the mast of the “Dolphin” (lighthouse) in the harbor as well as seven, 20’ tall black poplar (*Populus balsamifera* L.) tree trunks. From the steel cables, a 4’ wide construction debris netting in bright orange was hung, bringing warmth to an exposed and chilly site while casting shadows across the ground plane of the ice sculptures below. The cable design was inspired by a dreamcatcher, which produces a series of concentric arcs that allowed for the orange netting to follow the arc of the sun throughout the winter days and create a virtual ceiling over the life and activities below.



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## ‘CLOUD’ at the Sub -Zero Pavilion Warming Huts 2019



### The CLOUD Team

Amanda Austin  
Lancelot Coar  
Connery Friesen  
Ben Greenwood  
Kataun Habashi  
Jason Hare  
Mandy Hiltz  
Marina Jansen  
Nasim Sadeghi Nejad  
Behnaz Rafeei  
Helia Saadat

### Project Partners

Faculty of Architecture – U of M  
FABLab – U of M  
Sputnik Architecture  
The Forks  
Crosier Kilgour & Partners  
Macmor



## WHAK: Warming Hut for Anish Kapoor Warming Huts 2019

Our bodies and movements are in constant interaction with the environment; the world and the self inform and redefine each other constantly. The percept of the body and the image of the world turn into one single continuous existential experience; there is no body separate from its domicile in space, and there is no space unrelated to the unconscious image of the perceiving self... Architecture is the art of reconciliation between ourselves and the world, and this mediation takes place through the senses. — Juhani Pallasmaa in *The Eyes of the Skin: Architecture and the Senses*.

When presented with the challenging invitation by Peter Hargraves and the Forks to design a art pavilion to receive Anish Kapoor's work for the middle of the Winnipeg winter, all the specific qualities offered by his work had to be carefully considered in the architectural intentions of the pavilion. WHAK is a sectioned cube carved to create a gradual and slow delay as one approaches, inviting the visitor inside. The elemental shape of the cube, a direct reference to Kapoor's Stackhouse, his ice structure produced for the 2017 Warming Huts Festival in Winnipeg, served as a foundation for creation of the space. The treatment of black and white surfaces, as simultaneous allusions to the more impartial receptacle of the inside and the snow outside, added to the condensed and elevated central space, constituted the programming to receive Kapoor's reflective Disks, defining the main elements of the pavilion design.

The effacing of any overt architectural subjectivity was replaced by a methodical, step-by-step approximation to "Kapoor's

moment," imagining a structure inhabiting the frigid icy surface of a Winnipeg river, based more on the phenomenon of the experience, inside a vessel of experience. As a sensorial extension, the students carved a "lens" on the ice floor of the central space, bringing light into the space, filtered by the greenish muddy waters of the Red River. The "lens"—a type of ghost—served as an allusion to the future presence of Kapoor's Disks. By dispossessing of any trace of "self-expression" but instead "creative collective energy" students and instructors were able to achieve something at the same time detached and commensurable to Kapoor's sensitivity.

In Kapoor's sculptural language materiality, scale and relationships to architecture and landscape create a journey through time, space, perception and meaning. The work densifies the experience to an essentiality, almost suggesting an approximation to emptiness. Nevertheless, there is no emptiness—what exists is pure energy. It is not the thing in itself that is perceived, through sight or other senses—the thing has a presence. It is not the presence of the thing either, but instead it is the sense of presence the thing instills in the visitor—the sense of being present, of being alive, in the moment, fullest, in the world. We have attempted to create here a vessel to carry one's experience in the world, as it is negotiated by the provocations of Anish Kapoor's poetry. It was in the intimate connection to Kapoor's work that we were able to find a subtle affinity with our own methods of making: working in response.





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## WHAK: Warming Hut for Anish Kapoor

Warming Huts 2019



Ambrosio, Danna  
Baydock, Breanne  
Besiate, Johanna  
Brosas, Daniel  
Buen, Patricia  
Calotes, Romilie  
Chornoboy, Caelan  
Dingman, Leah  
Fajardo, Jeramee  
Ferris, Caitlin  
Gharagyozyan, Tom  
Goodall, Braden  
Hanbury, Paul  
Hendrickson-Rebizant, Hanna  
Heppner, Kayla  
Janzen, Jaden  
Krahn, Nicholas  
Lacerna, Alixa Jazeel  
Laird, Rachel  
Lawler, Andrew  
Li, Ziling  
Lin, Zhongbai  
Lucyk, Rylan  
Meijer, Stephen  
Melnyk, Tymon  
Palmieri, Michele  
Parrott, Claudia  
Pele, Cait  
Polet, Ashley  
Pratt, Meghan  
Rivera, Jae  
Ross, Coral  
Ross, Emma  
Ryan, Meghan  
Schau, Stephanie  
Squire, Alex  
Susi, Paul  
Tonnu, Irena  
Tonnu, Serena  
Vandekerkhove, Sean  
Will, Emily  
Wu, Yan





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[warehousejournal@gmail.com](mailto:warehousejournal@gmail.com)



## Warehouse Journal

Volume 28

Warehouse is an annual journal that is devoted to the critical pursuit of design discourse and the greater application to various collective communities. The journal attempts to reflect, engage, and extend the ideas inherent within the various departments that fall within the interdisciplinary vision of the Faculty of Architecture at the University of Manitoba.

Over the past 28 years, Warehouse Journal has exhibited and celebrated the accomplishments of both theory

and practice. The journal exists now not only as a physical publication, but also as a medium between the faculty and the greater design community.

Warehouse's integration within the larger design network has given the publication opportunities to be a part of cultural events and showings at places such as the WAG, Table for 1200, GOSA Gallery, etc. The journal has also received recognition from The Alcuin Book Society and the Manitoba Book Awards.



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## Student Ambassadors



Student ambassadors are meaningful and engaged students who will play an integral role played by volunteering their time to promote the faculty. Students are the “face” of the Faculty at various events and serve as a strong link between their academic program and prospective students, as well as the community.

Student Ambassadors participated in events such as Cross Cultural Student Lunch, Atmosphere and Year End Exhibition. They shared their knowledge of their respective degrees and programs, the application process and living in Winnipeg with new and prospective students.

2018-2019  
Student Ambassadors  
(from left to right, top to bottom)

Andre Nayo  
Katelynn Schutz  
Erin Rawluk  
Kara Boboski  
Leah Komishon  
Brittany Hince Siwicki  
Eugenia Amoako  
Marina Herscovitch  
Roxanne Pelletier  
Deveny Jarrow

*Not pictured*  
Symrath Bali  
Blanche Benasa

The faculty thanks our student ambassadors for their time and dedication to the promotion and growth of the Faculty of Architecture.







# Indigenous Principles: Design + Planning

The following pages provide a brief overview of Indigenous studio and student projects produced in the Faculty in 2018 – 2019.

## Zaagaate Garden Lake Manitoba

Zaagaate is the name of a childcare facility built in 2017 at the Lake Manitoba First Nation Reserve. The objective of this institution is to provide support to children with disabilities as well as relief measures for their families.

The community decided to transform the flat and bare area into a playful learning environment for all Zaagaate children. It is the dream to realize a naturalized playground for the children's physical, mental, emotional and spiritual growth. Built on the belief in childish experimentation and creativity, we have envisioned a place where children can freely explore and stroll around.



Dietmar Straub, Anna Thurmayr  
Associate Professors  
Department of Landscape Architecture  
Faculty of Architecture

Collaborators:  
Mary Maytwayashing, BSW  
Program Manager Zaagaate, Jordan's Principle  
Initiative, Lake Manitoba Health Centre

Lawrence West  
Health Director  
Lake Manitoba Health Centre

Debra Beach Ducharme, B.Ed., PBDE, M.Ed.  
Director, Indigenous Health Integration  
Ongomizwin-Indigenous Institute of Health and  
Healing, Max Rady College of Medicine

Jacque Ripat, Ph.D. O.T. Reg. (MB)  
Associate Professor  
Department of Occupational Therapy  
College of Rehabilitation Sciences  
Rady Faculty of Health Sciences

Photo Credits  
All photos by Dietmar Straub  
Site Plan: Straub Thurmayr Landscape Architects  
Pelican's Eye View: Anna Thurmayr

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## Folly Forest: Seven Years Later

Folly Forest has been awarded:

Rosa Barba International Landscape Prize 2014, Finalist. One of the 11 finalists running for the Prize at the 8 International Biennale of Landscape Architecture, A landscape for you, Barcelona, Spain.

#AZ Awards 14, People's Choice Award for Landscape and AZ Awards of Merit for 2014

2014 Prairie Design Award 2014, Award of Merit, Category Landscape Architecture

Manitoba Excellence in Sustainability Award 2013, Category Sustainable Community

Deutscher Landschaftsarchitektur Preis 2013: "Würdigung/Commendation"

CSLA Award of Excellence 2013, National Citation Award, Category New Directions

*Design:*  
Straub Thurmayr Landscape  
Architects and Urban Designers  
Professor Dietmar Straub,  
Professor Anna Thurmayr

*Photo Credits:*  
All images by Dietmar Straub

Strathcona is a school in the heart of one of Manitoba's most needy neighbourhoods where the self-declared population is more than 73% Indigenous. Voices from teachers who work and play at Folly Forest provided an authentic testimony for the intended change.

Corine Anderson, a Nursery School Teacher wrote: "... Now, with the creation of the Folly Forest we can spend more time in our own community. There are shady spaces to hang out when the weather is hot. The children have always been enthralled by catching insects and we have noticed an increase in the biodiversity of the yard".





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## Mikwendam dawaa [Spatial Recall] and the National Centre for Truth and Re/Conciliation

Measured over 2 terms, our Design Studio titled: mikwendam dawaa (Ojibwa) or Spatial Recall set out to understand Indigenous history, knowledge, and values in relation to the spatial practices associated with Indigenous ways. Over the Fall Term we examined Treaty 1 lands and Colonizer occupation and posited new forms of Indigenous 're-occupation' [fig.1]. Over the Winter Term we set out to develop 12 proposals for the National Centre for Truth and Reconciliation' (NCTR) on Treaty 1 lands at the University of Manitoba. The NCTR building program [7,000 sq.metres] was ambitious and the resulting projects represented a range of spatial, formal and programmatic possibilities for a cultural / research institution of significant scale [figs.2,3].

Through our investigations, we sought to establish a middle ground between Indigenous and contemporary notions of space. This middle ground proved to be complex and required far more investigation than our studio work could afford us. Still, over two terms of studies we were able to posit a direction for further work associated with the recovery of Indigenous space, while recognizing that Indigenous spatial practices have changed profoundly. We referred to this middle ground, and what may become of it as 'Spaces of Conciliation'.

Indigenous space is intensely relational and embraces both physical and metaphysical notions of being. Relations exist "with other humans, the other-than-humans, the animals and plants, the land, and the forces and powers of the cosmos"

(Rice, 1994). Its spaces are polycentric, revealed through the senses and made concrete in the lived world. These are places that are inhabited by spirits, animals, and people. There are settings and ceremonies that are constituted to confirm these relations – to provide meaning and value that are spatial and material. The elements of earth, wind, fire and water figure in these spaces, notably in the sweat lodge ceremony.

**The history of forcing  
Indigenous peoples  
onto Treaty Lands,  
Reserves and into  
Residential Schools  
is a history of 'spatial  
genocide'. Measured over  
7 generations, the legacy  
of these actions has yet  
to be understood and  
accounted for.**

Alternatively, Indigenous space was replaced by the Cartesian spatial apparatus of the Colonizer. The land, and all that it revealed and contained was reduced to a commodity. Euclidian geometries further defined the spaces of inhabitation for the Colonizer and in turn for the Indigenous peoples. Nowhere was this more significantly imposed than within the Residential Schools themselves. These buildings and the spaces therein stood in stark contrast to Indigenous ways of negotiating space – and life.

The process of removing Indigenous peoples from their land and the assimilation programs that followed was one of social and cultural censorship. However, it was also a period of systematic spatial dislocation and erasure. The history of forcing Indigenous peoples onto Treaty Lands, Reserves and into Residential Schools is a history of 'spatial genocide'. Measured over 7 generations, the legacy of these actions has yet to be understood and accounted for. As a point of departure, we sought to make sense of the term 'spatial genocide' and to construct narratives through the conceptual framework of:

- Indigenous space
- Residential school space
- Reserve space
- Spaces of conciliation

Indigenous space is associated with the land and its inhabitation before contact with the Europeans – it is relational space. Colonizer space is associated with all forms of settlement and occupation thereafter including the Residential Schools and Reserves – it is negotiated space. Spaces of conciliation are associated with a shared understanding of the land and its occupation. Each of these narratives provided the basis for a new way of thinking about the future of Indigenous space.

Spaces of conciliation are located between the proximate and the remote – between the spaces of Indigenous peoples and the spaces forged by the Colonizers. These spaces are located between the geographical and phenomenal, the

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## Mikwendam dawaa [Spatial Recall] and the National Centre for Truth and Re/Conciliation

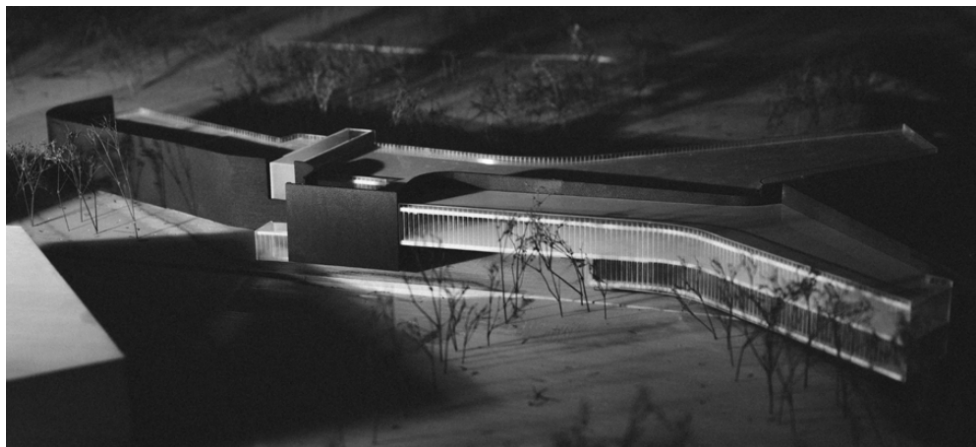
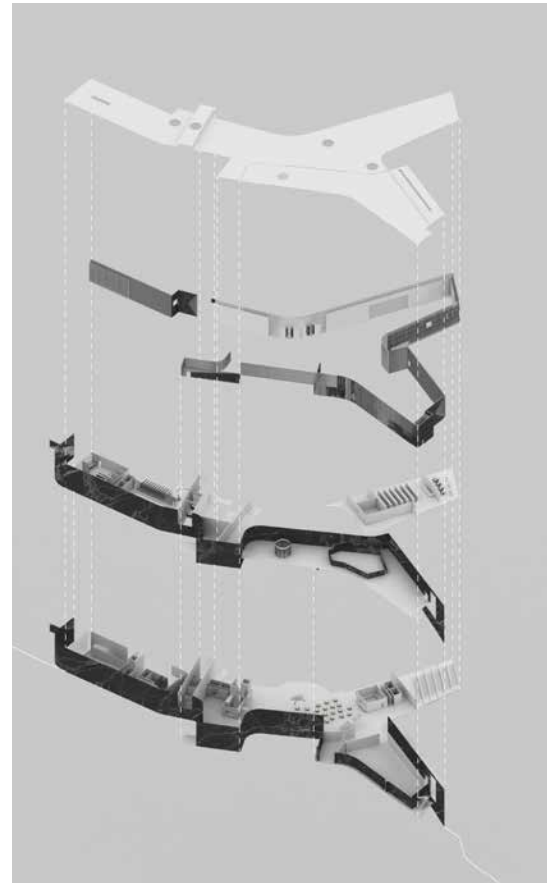
ancient and modern, the material and spiritual, and between the words and actions of the Colonizer and those who were colonized. Spaces of conciliation include the historical trajectory of Indigenous peoples and the Colonizer experience in Canada – a ‘7 Generations’ view that acknowledges the past while developing the social and cultural framework to support a sustainable future. It is a recovery narrative, based on a shared notion of conciliation rather than the dominant doctrine of reconciliation. More could be said.

Lastly, our design studio held to the building program as it was provided to us. However, further conversations would be most welcome – and necessary – to explore the unforeseen opportunities for engagement with all interested individuals and stakeholders. The NCTR warrants a national conversation but it can only proceed through the will and direction of Indigenous peoples. Perhaps the NCTR should not be envisioned as an institutional building complex but instead as an ‘encampment’ of permanent and seasonal buildings to be occupied as required – including a setting for regional and national meetings. A book version of mikwendam dawaa [Spatial Recall] and the National Centre for Truth and Re/Conciliation is pending publication, to support the conversation and contribute to the national ambition of re/conciliation made evident in the work of the Truth and Reconciliation Commission of Canada.

Miigwetch, Ed Epp



**This is the paradox:  
how to become  
modern and to return  
to sources, how to  
revive an old dormant  
civilization, and take  
part in universal  
civilization.  
- Paul Ricoeur**



## Northern Teaching Lodges + Sekuwe (My House)



### **Sekuwe (My House),**

#### **Dene First Nations' Perspectives on Healthy Homes**

Professors Lancelot Coar (Architecture) and Dr. Linda Larcombe (Medicine) along with co-investigators, Pam Orr, Matthew Singer, Ivan Yassie (Tadoule Lake First Nations), Kathi Avery Kinew (First Nations Health and Social Secretariat of Manitoba) were awarded the 2018 CMHC President's Medal for Housing Research Excellence for their research project entitled "Sekuwe (My House), Dene First Nations' Perspectives on Healthy Homes". This \$15,000 award will support new research by the recipients to study and examine the unique needs of community elders who reside in Tadoule Lake First Nations.

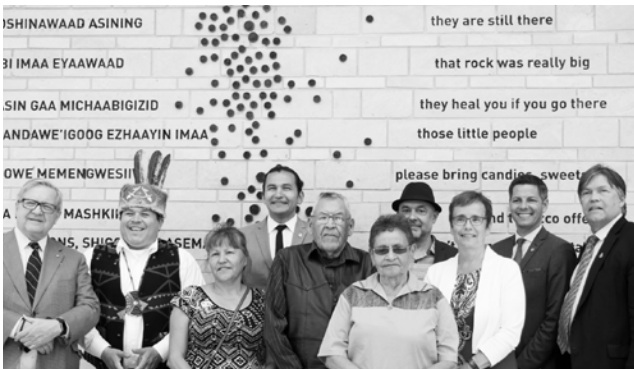
### **Northern Teaching Lodges:**

#### **Learning Partnership for Community Development and Mino Bimaadizwin in First Nation communities**

Professors Lancelot Coar (Architecture) and Dr. Shauna Mallory Hill (Interior Design) are co-investigators for a SSHRC Partnership Grant entitled "Northern teaching lodges: learning partnership for community development and Mino Bimaadizwin in First Nation communities." (2016 – 2023, \$2,500,000). This community-led project (including representatives from Garden Hill and Wasagamack First Nations and Dr. Shirley Thompson (National Resources Institute), and others) uses skill-based training and new construction projects to produce sustainable and culturally appropriate housing in these two remote First Nations Communities in northern Manitoba. Each year the project intends to build and monitor the building performance a new home designed and built in close coordination with each community.

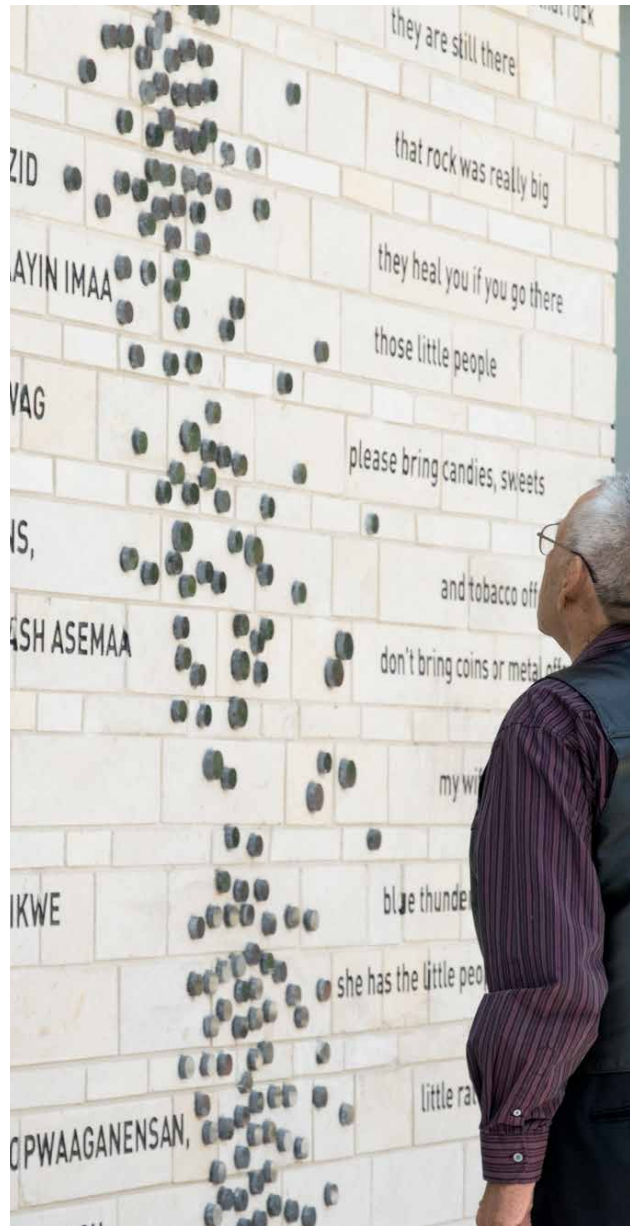
## ASIN

Ojibwe, Meaning Rock



A collaborative project between the Ebb and Flow First Nation, The University of Winnipeg, Number TEN Architectural Group, and professor artist-architect Eduardo Aquino.

ASIN welcomes visitors to the Axworthy Health and RecPlex (University of Winnipeg) and conveys the coming together of people in reconciliation, healing, and wellness. The pattern was inspired by and based on a topographical map of the only ancient Medicine Wheel in the province of Manitoba, which is located on the historical lands of Ebb and Flow First Nation, near Alonsa. The medicine wheel is frequently associated with ceremony, cleansing and healing of the body and spirit, and regeneration of the earth and its resources. The poem was composed by members of Ebb and Flow First Nation, and speaks of the Memekwesiak (or 'little people'). According to members of the community, the Memekwesiak exist in both the material and spirit worlds and the Medicine Rock, also located in the community of Ebb and Flow, is thought to be a gateway between these realms. Traditionally, visitors to the Medicine Rock leave tobacco, food and cloth as gifts to the Memekwesiak. The text was blessed by Ebb & Flow Elders, Percy and Mary Houle, and was translated into Ojibwe by Olga Houle.





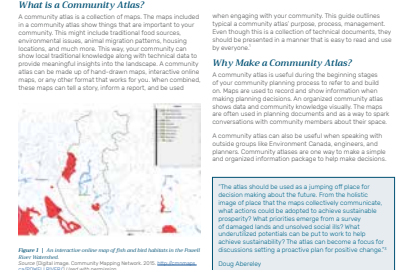
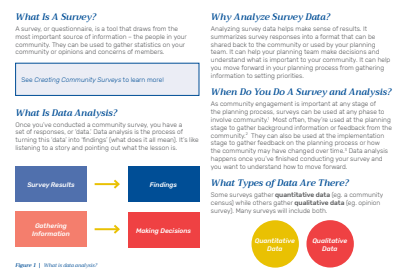
## Sharing Resources for Indigenous Community Planning

Over the past few years, students and instructors involved in the Indigenous Planning Studio have noticed how often their First Nation partners ask about the availability of relatively short and easily digestible guidelines, examples, and templates on key elements of a planning process.

In response, the fact sheet assignment was created. It asks students to research and prepare a fact sheet to be distributed to interested First Nations. Students participate in a peer-editing process to make their fact sheet readable, and they design their fact sheet to be visually appealing and engaging.

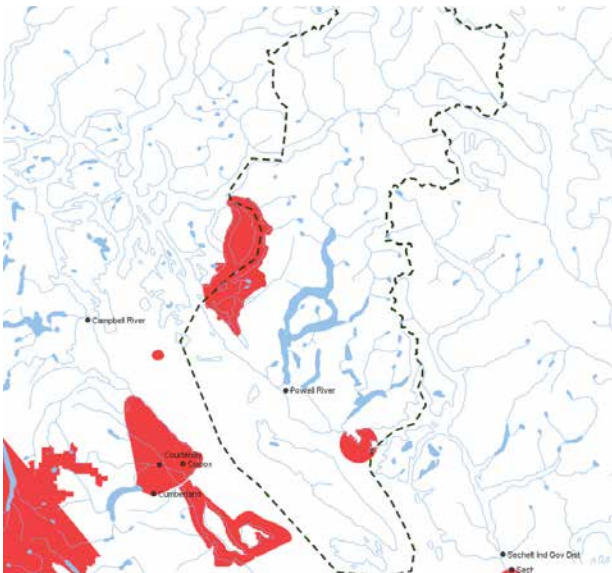
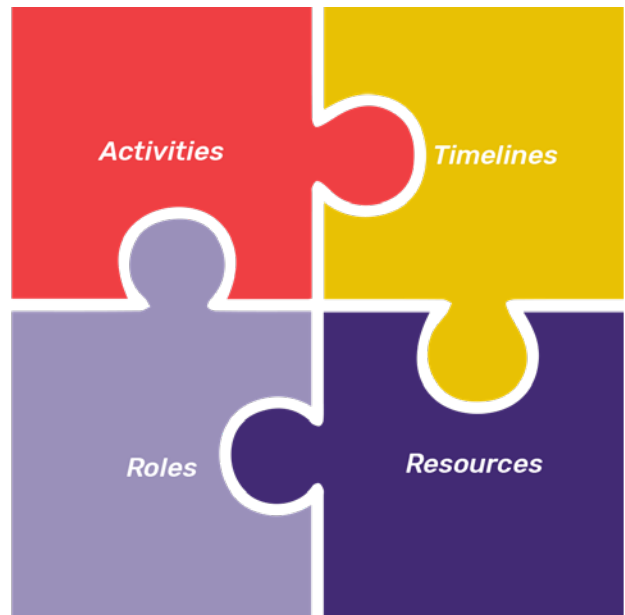
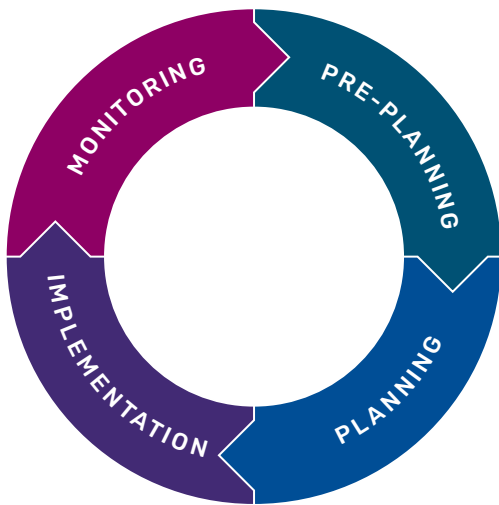
The fact sheets follow the four phases of community planning: pre-planning, planning, implementation, and monitoring and evaluation. Each fact sheet focuses on one small element of designing and implementing a community-led planning process. The fact sheets can be used independently to provide information about a specific question or topic, and they can also be used collectively to provide a guidebook for creating a planning process.

The fact sheets have been compiled in an online resource for Indigenous land managers and community development workers who wish to increase their planning knowledge and capacity. It is our hope that the collection will grow each year to provide a rich resource for First Nations who are interested in community planning.



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## Sharing Resources for Indigenous Community Planning



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## Indigenous Principles: Design + Planning

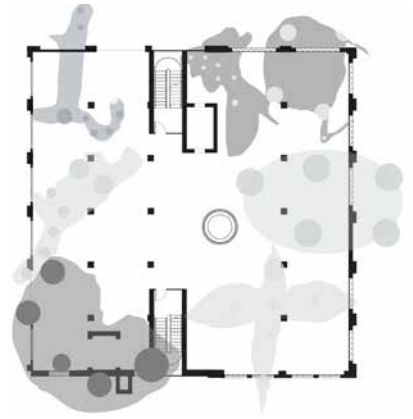
### Student Projects



Ashley Peebles | M.I.D.

This practicum considers the effects of First Nations home and community evacuations in Manitoba. Outcoming issues related to dwelling in isolated, alien spaces for extended periods are addressed through the design and development of an urban relief center. Considerations of two-eyed seeing, the urban experience, multi-sensory perception and stories of the sky, the stars and the moon realize that the notion of home exists beyond the physical boundaries of the house, and encapsulate belongingness and comfort. Connections to home through the creation of a storied atmosphere encourage imagination, storytelling, and gathering—bringing together being, the land and the built environment.

Initial site and literature explorations consider making as a method of storytelling.



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## Indigenous Principles: Design + Planning

### Student Projects

Haley Littleford | ED4 IE

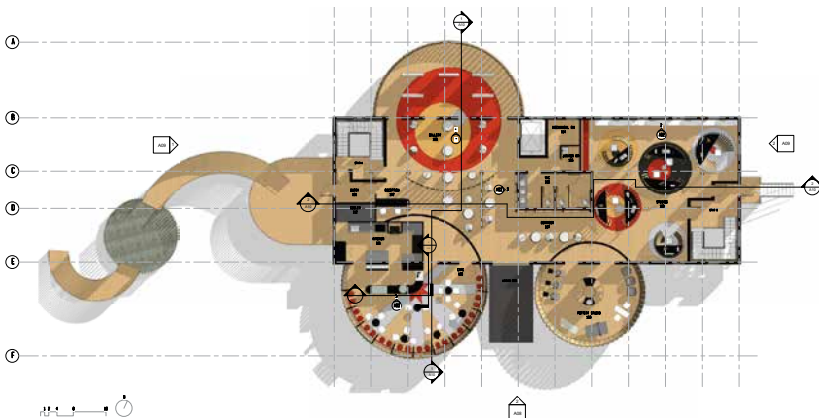
In Winnipeg, the Child Advocacy Centre and Snowflake Place provides services and healing to children and youth that have experienced abuse, many of whom are indigenous. To incorporate indigenous culture, the medicine wheel and its animals were integrated into murals throughout the space. The journey of healing begins in the North with images of the bison, the season of winter symbolizing the mind. Westward to the bear, the season of fall representing the physical body. To the South, the coyote, the season of summer symbolizes the emotions. Lastly the eagle, the season of spring symbolizing the spirit, the child then emerges full circle, reborn in body, mind, and spirit.



Courtney Allary | M.I.D.

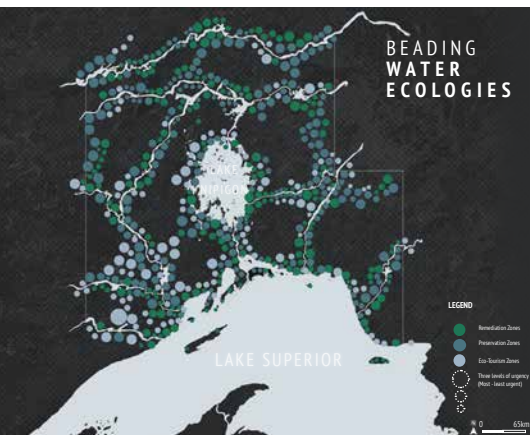
### Creating; St. Norbert

An adaptive reuse of St. Norbert Arts Center, Creating; St. Norbert is an arts complex and maker's coworking studio that aims to promote Winnipeg's fine arts community and local Indigenous creative practices. The space offers private rentable workspaces, an open workshop studio, gallery area, café, library and ceramics studio. The site's cultural heritage and importance to Indigenous ceremony and sacred space informed the programme and design language of the project. Inspired by Cree cedar longhouses, natural materials and traditional aboriginal ceramics, Creating; St. Norbert will attract a diverse range individuals and groups with a wide array of backgrounds, interests and skills that can be shared within its collective of users while supporting Manitoba's Anishinaabe, Cree, Dene, Métis and Inuit art and maker community.



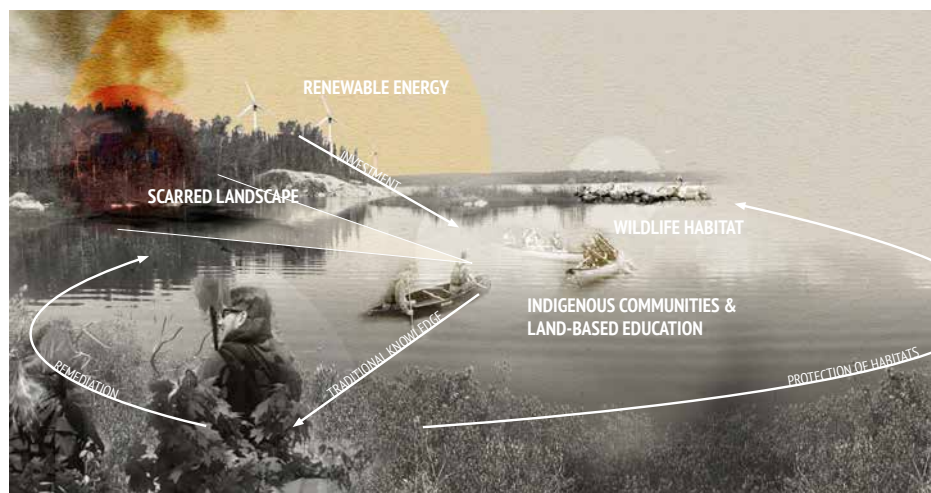
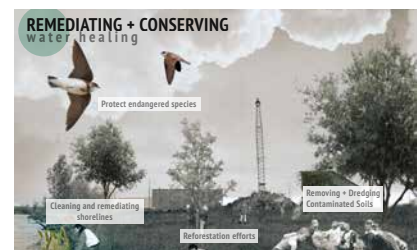


## Indigenous Principles: Design + Planning Student Projects



Desiree Theriault | M.L.Arch.

Beading Water Ecologies aims to reconnect and revitalize important rivers and tributaries in the Thunder Bay District to heal and protect Lake Superior through Indigenous Stewardship. The regional design is based on a comprehensive fluid zoning plan to adapt to climate change and reconciliation efforts by implementing three types of zoning: Remediation, Preservation and Eco-Tourism incorporated at three levels of urgency which target areas that are more sensitive to damaging downstream systems. The plan brings to the forefront the core ecological systems of the region – Water – and leverages Indigenous stewardship + knowledge to immerse and teach socio-ecological + socio-hydrological relationships and harness the ability to protect cultural and ecological values.

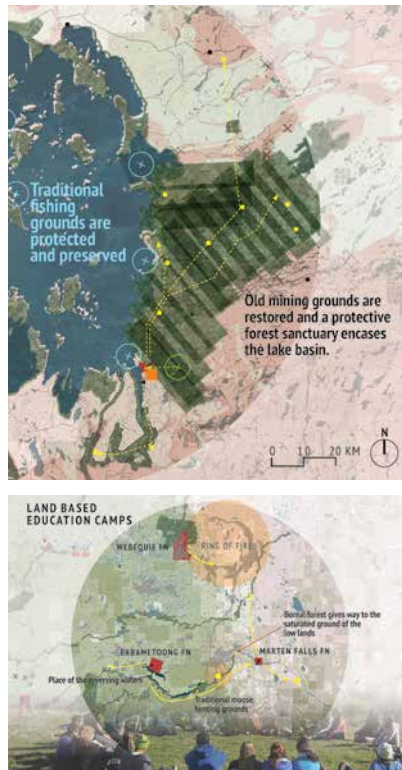


## Indigenous Principles: Design + Planning

### Student Projects

Evan McPherson | M.L.Arch.

The Thunder Bay District serves as the site of a National program that aims to build resilience, cultural awareness and ecological consciousness across many dimensions of Canadian society. The key elements are the incorporation of First Nations sovereign rights to land, perspectives on extraction and the subsequent environmental degradation both past and present. Awareness and relationships are built through the deployment of soft tactics – such as water testing, seed collecting, and tree planting all of which are embedded within a land-based learning model. Through this experience young Canadians can directly engage with place making qualities all while learning about the critical partnerships with Indigenous Peoples and the importance of our duty as Canadians to respect each others knowledge and the land we share together.



Carl Valdez | M.L.Arch.

Ningobianong:

Healing the Sacred / Scarred Landscape

The project involved looking at the district of Thunder Bay and using mapping techniques and collage to spatially illustrate the Seven Sacred Fires prophecy of the Anishinaabe and how the sixth and seventh fires translate into the modern context of the region, especially resource extraction and pollution of water bodies. In order to inform these issues, the Ningobianong Healing Reserve becomes a new regional ecosystem management strategy that integrates human dimensions and acknowledges that people are part of the ecosystems. The values and necessities of both Indigenous and non-Indigenous cultures have, and will continue to influence ecosystems. Traditional knowledge and management of important cultural resources to the Anishinaabe, as well as the inclusion of modern knowledge, creates a path to reconciliation that envelops the sacred landscape of Lake Nipigon area and protects it from further exploitation – becoming a core and antidote to greed.



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## Indigenous Principles: Design + Planning

### Student Projects

Courtney Thompson | Ph.D. —————

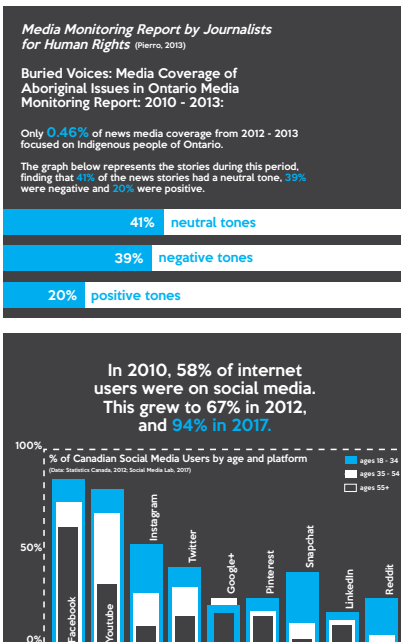
My research examines sociocultural strategies and their relationship to architecture and design for Indigenous and Settler relations in Canada through two case studies: The Indians of Canada Pavilion at Expo 67 in Montréal and the Unceded: Voices of the Land exhibition at the Venice Architecture Biennale in 2018. My research investigates these presentations in light of: the Report of the Royal Commission on National Development in the Arts, Letters and Sciences, 1949-1951 and Honouring the Truth, Reconciling for the Future: Summary of the Final Report of the Truth and Reconciliation Commission of Canada (TRC) (2015). By examining the greater historical context of the pavilions as a continuum of Indigenous and Settler relations I reveal how frictions within sociocultural strategies in Canada shape expectations of Indigenous design in Settler-colonial histories.





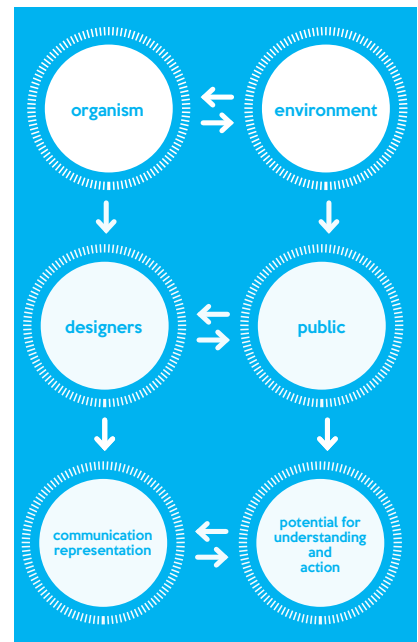
## Indigenous Principles: Design + Planning

### Student Projects



Teron-Jordan Richard | M.Arch.  
Dilaxshy Sivigurunathan | M.L.Arch.

In our Canadian society, there is a lack of conscious awareness towards issues related to Indigenous communities and the environment. It was found that less than 0.49% of all news media coverage focused on Indigenous issues in Ontario alone, speaking volumes to the issue at hand. This project was inspired by the role of knowledge sharing in traditional Indigenous teachings, and how modern forms of communication can become a more utilized method of design. Through the proper use of technology and social media platforms, designers now have the ability to influence at a larger scale how information is disseminated in regards to the plethora of issues involving Indigenous communities and the environment.



Braden Goodall | ED3 AR

Place for Moccasin Making  
444 Ross Avenue

This project explores the development of a vacant lot, into a center for the diverse community coming together and fostering appreciation for the sense of self in an urban landscape. Individual interaction with the ground, is a central focus and highlights the drawings we make on the earth, and the drawings it makes on us, guiding the architecture. A teacher living in the residence above, descends daily to help guide the process. The building provides spaces for the repetitive processes of natural hide tanning and introduces the visitor to the material as they work through the moccasin making process.





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## Indigenous Principles: Design + Planning

### Student Projects

Jason Surkan | M.Arch.

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One of the primary spatial conditions that has historically distinguished the Métis from other groups in the Canadian prairie provinces emerged from their overriding emphasis on egalitarian principles of social organization and consensus. The Métis have built and continue to build spaces across the prairie provinces that respond to each local environment in ingenious, sustainable, egalitarian, and resourceful ways.

This research explores both historical and contemporary examples of Métis architecture to better understand ‘what is Métis architecture?’ What is Métis architecture beyond log cabin nostalgia and pasted visual lexicons? Is there a place for a contemporary Métis architecture in the prairies?

This thesis explores a collaboration with the Métis Elder and artist, Maria Campbell, on a design proposal for a space that facilitates cultural practice through a process of Kihokêwin. This includes storytelling, dreaming, art, music, language, craft, ceremony, and cultural activities at the historic site of Gabriel Dumont’s Crossing along the Âpihtâkîsikanohk Kisiskâciwani-Sîpiy (South Saskatchewan River). Kihokêwin Kumik is an exploration of not only a Métis Vernacular, but of a contemporary Métis architecture that is grounded in the teachings of our Elders, kisêwâtisiwin (kindness), kwayaskwatisiwin (honesty), nikwatisowin (sharing), and maskawisiwin (strength).



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## Indigenous Principles: Design + Planning

### Architecture 2 Gallery

Jae Sung-Chon

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How are identities received, constructed, sustained and reinvented? If 'to design' is 'to intend' and 'to act decisively', how does such an act intertwine with our quest towards identities? Identity and Indigeneity by Design (IID) examined the role of design in relation to the ideas of identity and indigeneity in our contemporary context.

IID 2019 explored the issue through a panel discussion conceived in collaboration with the Centre for Professional and Applied Ethics in the Philosophy Department and a curated exhibit of works by the faculty and the students at the Faculty of Architecture.

#### Identity and Indigeneity by Design: Discussion

IID\_Discussion was a collaborative event between the Centre for Professional and Applied Ethics and A2G - the Architecture Gallery of Faculty of Architecture. It was held on April 5th, 2019 with Dr. Marcella Eaton moderating. The panel for the discussion consisted of Lorena Fontaine an Indigenous Academic Lead at the University of Winnipeg, Réal Carrière a Professor of Political Studies at the University of Manitoba and Shawn Bailey an Indigenous Scholar and Assistant Professor at Faculty of Architecture, University of Manitoba.

Identity and Indigeneity by Design 2019 also showcased Faculty and Student Works. These works included:

- + Indigenous Housing Competition Results | Architecture Without Borders
- + Boreal Studio | Shawn Bailey + ED4 Studio
- + Mikwendam Dawaa | Eduard Epp + ED4 Studio
- + Haunted Houses Healing Landscapes | Karen Wilson Baptist + ED4 Studio
- + Secure, My House | Lancelot Coar
- + Selected Works | Eduardo Aquino





Events / Outreach



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## 2018 - 2019 Events

### Food for Thought



The Winnipeg Design Festival 2018: [Re-]



Experience Research



Can Children and Youth Help us to Design More Inclusive Public Spaces?



Cooperative Education / Integrated Work Program Student Information Session



One House Many Nations: Hacking Colonial Systems of Dominance



Coastal West African Urbanization: Studies on Lagos & Makoko | Yaodong: Chinese Cave Housing on Loess Plateau



Experience Research



ROB|Arch 2018: Robotic Fabrication in Architecture, Art and Design



Faculty of Architecture Study Abroad Opportunities



Our Lady of the Prairies Abbey



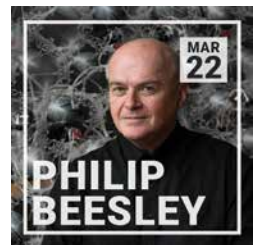
Post Cast Concrete



The Beautiful Bailout: How Social Innovation will Solve Government's Priciest Problems



The Storey of SPEB in Detail



Experimental Scaffolding Systems

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## 2018 - 2019 Events

### Evening Lectures / Events



Autopsy of a Boom:  
Explaining the Comeback  
of Chicago's Loop



Material Ecologies



Vital Dependencies:  
Architecture, Performance,  
and Biology



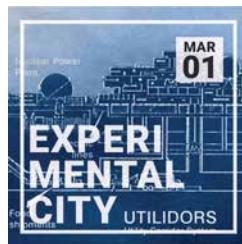
Architecture Beyond the  
Image: From Idea to Impact  
Faculty of Architecture  
Distinguished Lecture



Film for Thought



Calibration  
MMI Sponsored Lecture



Film for Thought



Additive Manufacturing at  
Different Scales Using Ice,  
Foam, and Concrete  
C.A.S.T. Sponsored Event



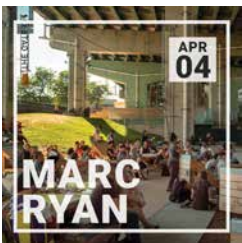
Public Interest Design



Ideals, then Ideas:  
Authenticity, Generosity,  
Civicness, Beauty  
Visiting Architect Lecture Series



The Last Lecture  
MAA Sponsored Lecture



Forever In-Progress



In-Discrete Architecture  
Harlyn Thompson Lecture



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## Faculty of Architecture Distinguished Lecture

### Sponsored Lecture Series

#### **Scott Stirton: Architecture Beyond the Image: From Idea to Impact**

Scott Stirton, University of Manitoba Graduate and leader of Architecture49, a national architectural practice headquartered in Winnipeg, will share insights about the firm's work and their goal to create meaningful architecture that empowers people, enhances community and elevates our country. The broad spectrum of work will include a review of large and small scaled projects including their journey to restore the Parliament buildings in Ottawa, the design of 21st century learning environments throughout Nova Scotia, and award winning projects such as the Women's Hospital in Winnipeg, Golf Exécutif Clubhouse in Montreal, and St. Marguerite Bourgeoys Church in Tantalton.

Scott Stirton, is President and Chief Executive Officer of Architecture49 Inc. (formerly Smith Carter Architects and Engineers) and manages the national architectural practice across Canada. Scott brings over thirty years of experience, continuity and commitment to the firm and the firm's relevance within Canadian architectural practice. In any role he takes on, Scott inspires the firm with his passionate belief that architecture can elevate life experiences, transform communities and positively enhance Canadian competitiveness and culture. Scott divides his time between his national leadership role and the practice of architecture. He is well known as a strong strategist and assists many of the firm's clients during the formative stages of their projects, helping to set a strong



vision to align expectations and project outcomes. Scott has played an active leadership role in key projects for the firm including True North Square, an urban mixed use development in Winnipeg, the award winning Women's Hospital at the Health Sciences Centre and leading science research facilities throughout the USA.

**“Create meaningful  
architecture that  
empowers people,  
enhances community  
and elevates our country.”**

**- Scott Stirton**

As a U of M Faculty of Architecture graduate (1988) and a committed Winnipegger, Scott also brings a passion and dedication locally to Winnipeg by working with community and economic development organizations. Scott was an active member of Centre Venture Board, former Chair of the Canadian Architectural Large firm Round Table and active member of the Health Sciences Centre Foundation.





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## MMI Sponsored Lecture + MAA Sponsored Lecture Sponsored Lecture Series



### **Róisín Heneghan: Calibration**

heneghan peng architects is a design partnership practising architecture, landscape and urban design. The practise was founded by Shih-Fu Peng and Róisín Heneghan in New York in 1999 and in 2001 was relocated to Dublin. Our Berlin office opened in 2011.

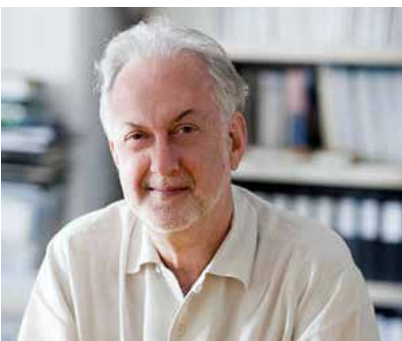
We take a multi-disciplinary approach to design and have collaborated with many leading designers and engineers on a range of projects which include larger scale urban masterplans, bridges, landscapes and buildings.

Projects include the Canadian Canoe Museum, the National Gallery of Ireland, the Palestinian Museum, Grand Egyptian Museum, at the Pyramids, the Giant's Causeway Visitors' Centre, Airbnb EMEA headquarters and the Diamond Bridges at the 2012 London Olympic Park.



### **Michael Sorkin: The Last Lecture**

Michael Sorkin is President of Terreform, a non-profit dedicated to urban research and advocacy and publisher of UR Books, the Principal of Michael Sorkin Studio, an international design practice with a special focus on urbanism and "green" architecture, and Distinguished Professor of Architecture and Director of the Graduate Program in Urban Design at the City College of New York.



He has been architecture critic for The Village Voice and The Nation, contributing editor at Architectural Record, and author or editor of more than twenty books, including Variations on a Theme Park, Exquisite Corpse, Local Code, Giving Ground (edited with Joan Copjec), Michael Sorkin Studio: Wiggle (Works in Progress), Some Assembly Required, Other Plans, The Next Jerusalem, After The Trade Center (edited with Sharon Zukin), Starting From Zero, Analyzing Ambasz, Against the Wall, Indefensible Space, New Orleans Under Reconstruction (edited with Carol Reese and Anthony Fontenot), All Over the Map, Twenty Minutes in Manhattan, and What Goes Up: The Right and Wrongs to the City.

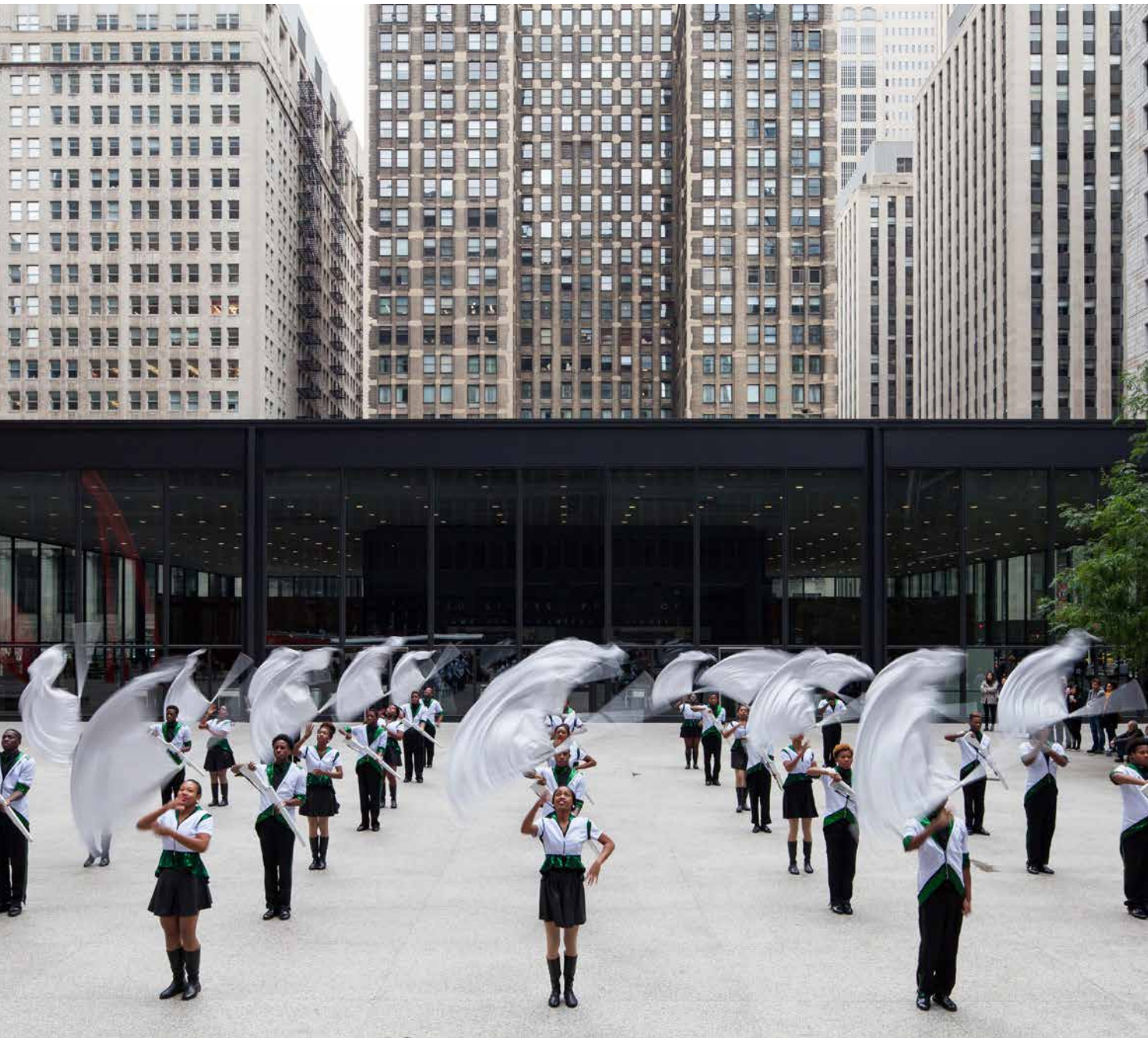
Sorkin is a Fellow of the American Academy of Arts & Sciences, the recipient of the 2013 Cooper-Hewitt National "Design Mind" Award, a 2015 Guggenheim Fellow, and 2019 recipient of an AIA Collaborative Achievement Award.



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## Harlyn Thompson Lecture

Sponsored Lecture Series



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## Visiting Architect Lecture

### Sponsored Lecture Series

#### **Bryony Roberts: In-Discrete Architecture**

Roberts will discuss how she works between architecture, performance, and preservation to respond to the social conditions of changing urban sites.

Bryony Roberts is an architectural designer and scholar. Her practice Bryony Roberts Studio, based in New York, integrates methods from architecture, art, and social practice to respond to complex cultural sites. The studio approaches design as a social practice — creating immersive environments and community-based collaborations that prompt alternative forms of inhabitation. Works include transformative design projects at international sites such as the Piazza del Campidoglio in Rome, the Dubai Design District in Dubai, the Federal Plaza in Chicago, and the Neutra VDL House in Los Angeles.

She has been awarded the Architectural League Prize, the Rome Prize, and the Miller Prize, as well as support from the National Endowment for the Arts, the Graham Foundation, and the MacDowell Colony. She has published her research in the Harvard Design Magazine, Log, Future Anterior, and Architectural Record, co-edited the volume Log 31: New Ancients, and edited the book Tabula Plena: Forms of Urban Preservation published by Lars Müller Publishers. Roberts teaches architecture at the Columbia University Graduate School of Architecture, Planning and Preservation in New York.

#### **Alison Brooks: Ideals, Than Ideas: Authenticity, Generosity, Civicness, Beauty**

Alison Brooks, Principal and Creative Director of Alison Brooks Architects, will discuss her practice philosophy, architectural approach and the ideals of ‘authenticity, generosity, civicness and beauty’ relating her current and recently completed projects. These include the new Cohen Quadrangle for Exeter College, Oxford University and new models for urban housing such as Ely Court, shortlisted for the 2017 Mies Award for Contemporary European Architecture.

Alison Brooks, Principal and Creative Director of Alison Brooks Architects, is one of the leading architects of her generation. She has developed an international reputation for a multi-award winning body of work since founding the practice in 1996.

Alison’s architectural approach emerges from broad cultural research, with each of her projects expressing a specific response to place, community, and landscape. Named in 2012 by Debrett’s as one of ‘Britain’s 500 Most Influential’, Alison Brooks is the only British architect to have won all three of the UK’s most prestigious awards for architecture: the RIBA Stirling Prize, Manser Medal and Stephen Lawrence Prize.



## Adaptation Atmosphere 2019



The annual symposium 'Atmosphere' held in the Faculty of Architecture in early February of this year was a success. It is one of the only events that bring us together as a collective, and this has always been a central theme for the symposium. Our distinct disciplines are stronger together and indeed, work together professionally. We have much to share, and our students benefit from these interactions. Co-chaired by Alyssa Schwann in the Program of Environmental Design and Marcella Eaton in the Department of Landscape Architecture, the theme of the event was 'adaptation'. Two hundred and ninety people bought tickets for the symposium.

The Faculty of Architecture Endowment Fund generously helps to fund this event. These funds help to bring keynote speakers in and are shared amongst the five units within the Faculty. The Department of Architecture invited architect Miriam Kelley from Beyer Blinder Belle Architects & Planners in New York. City Planning hosted Ian Mauro from the Prairie Climate Centre and Principal of Richardson College for the Environment at the University of Winnipeg. The Program of Environmental Design supported Marc Treib, Professor in Architecture, University of California Berkeley. Graeme Brooker PhD, Head of Interior Design at the Royal College of Art in London England was brought in by Interior Design. Landscape Architecture brought in Georges Descombes, Atelier Descombes Rampini in Geneva as their keynote speaker. Bas Smets of Bureau Smets was co-supported by Environmental Design and Landscape Architecture. Dean Norm Halden from the Clayton H. Riddell Faculty of the Environment, Earth and Resources, and Associate Dean Marcia Friesen from the Faculty of Engineering here at the University of Manitoba were also part of our keynote speaker lineup. They were all participants due to the economic support from the Endowment Fund.

There was a rich diversity of speakers at Atmosphere this year with eleven peer-reviewed speakers organized around the keynote speakers who were from Winnipeg, Montréal, California and Sweden. They were from the disciplines of architecture, city planning, comparative literature, and landscape architecture, and they ranged from graduate students, PhD candidates, recent graduates, educators and practitioners.

The Manitoba Association of Landscape Architects generously donated a large sum of money to Atmosphere 2019. Members of MALA were invited to volunteer as moderators for sessions or other activities. We had five participants who added a fresh voice to the commentary and offered an opportunity for students to network. We thank MALA and those members who actively participated.

Having the Saturday session at The Forks was a deliberate attempt to encourage professionals to the symposium. We believe that it was successful. Professionals from Winnipeg were invited to speak on Saturday. Cindy Rodych, President of PIDIM, spoke with Shauna Mallory-Hill on their design and research for the unit created for people with memory issues including Alzheimer's disease and related dementia at Riverview



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## Adaptation Atmosphere 2019

Health Centre. Sasa Radulovic presented the work that 5468796 Architecture Inc. has done in Winnipeg along with their practice of promoting a culture of design. Liz Wreford of Public City Architecture presented much of their work designed and realized with and at The Forks. Their warming hut has become symbolic of the joy these structures bring to everyone, and indeed their Crokicurl has swept across the country. Paul Jordan, CEO of The Forks, welcomed everyone in the morning and offered a history of the site. We believe that Atmosphere must engage the city, and showcase our local design talent. We hope it continues.



The photography competition was well subscribed, and faculty members from each department and the Environmental Design Program acted as judges. The Ice Bar inevitably offers 'creative stimulation' each year. Students from both the undergraduate and graduate program worked to build the design. Graduate students from both Interior Design and Landscape Architecture were asked to reimagine the coffee/drinks/ ticket/ space using 'discarded' material that Keith Millan from the Workshop offered. Their redesign of the area flowed much better, and these 'scrap' furniture pieces are now being used for other events in the Faculty. The student's design work and participation were a great success.



We want to thank the Endowment Fund, the Partners Program, the Dean's Office, Faculty members, professionals in the city and all of the students in the Faculty who generously volunteered their time to help make this symposium the success it was.





## Class of '65 - '68 Reunited



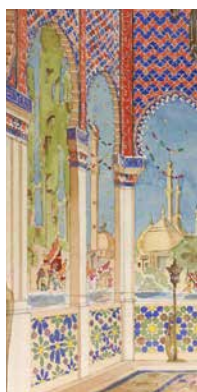
On September 15<sup>th</sup>, 2018 the graduates from the Departments of Architecture and Interior design celebrated their 50<sup>th</sup> Anniversary. The classes of '65 to '68 came together from all across Canada to return, once again, to the John A. Russell building.

The morning began with a luncheon hosted by the Faculty of Architecture which was well attended by over 30 Alumni, faculty members, current students, and members of the design community. Old yearbooks and newsletters were shared and everyone had a great time reminiscing and swapping stories about the old days.

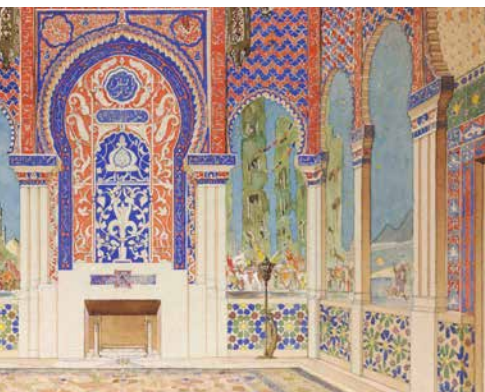
After lunch, tours were led by Lisa Landrum, Associate Dean Research and Associate Head of the Department of Architecture, and Mackenzie Swope, Senior Stick 2017-2018. Alumni revisited their studio spaces and marveled at how things hadn't changed, before being brought to the FABLab where they were amazed by just how much really had changed. The tours then led them to the new Fine Arts building and the newly renovated Music Building before looping back for a tour of the new studio spaces in Architecture 2.

The group dispersed for the day and met the next morning for a tour of the Human Rights Museum. The group had so much fun catching up that we are told they will be planning another reunion in two years. We hope the next one will be as successful as this one!

A huge thank you to Doris Fraser, Carol Jones and George Kneider who made this event possible!



## Monument & Spectacle Envisioning Winnipeg in the 1930s



In February the Gallery of Student Art (GoSa) at the UMSU University Centre hosted an exhibition of drawings and watercolor renderings produced in the 1930s by students of the Faculty of Architecture. The aim of this exhibition was to reveal the exquisite craftsmanship of these artworks and to acknowledge the Faculty's distinguished status throughout the 1930s at the Royal Architectural Institute of Canada (RAIC). Most of these artworks received First Medal or First Mention at the RAIC competitions. For eight years in a row, between 1930 and 1938, the then Department of Architecture won major awards given in the nation-wide competition, but in 1938, the students were awarded an astounding six out of eight awards! Even though none of the designs were ever built, they are notable for their adherence to the prevailing views of the leading and influential architects such as John A. Russell and Milton Osborne, as well as internationally acclaimed architects such as Le Corbusier and Daniel Burnham, among others.

This exhibition was sponsored by the University of Manitoba Archives & Special Collections, the Faculty of Architecture, the University of Manitoba Art Collections, the University of Manitoba Students' Union Gallery of Student Art, the University of Winnipeg Curatorial Practices Program, and the University of Manitoba Libraries. Student assistance was supported, in part, by the Faculty of Architecture Endowment Fund, with M.Arch student Jessica Piper and Prof. Terri Fuglem, 'Archiving Historical Student Work.'



To read the full article please visit <https://news.umanitoba.ca/monumentspectacle/>

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## Architecture 2 Gallery

### Gallery Director



Jae Sung-Chon

### Gallery Student Curators

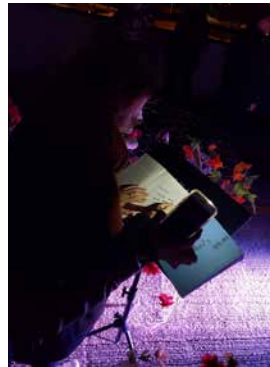


Nicole Luke



Mackenzie Skoczylas

### Winnipeg Design Festival [Re]Roof



### Exhibit 369



Exhibit 369 brings light to the professional practice beyond the world of academia. The exhibition strived to bring together students with members of the professional design field through short, filmed interviews and office tours. It provided an exclusive behind the scenes look into the office culture that produces many of the buildings currently standing in Winnipeg. The elements of architectural design are often

only seen from the finished product, and we have little understanding of the thousands of hours that go into each project. This exhibition highlighted the skilled and unique individuals that go into these projects. The work of these offices decorate the adjacent walls with select items of the office that synthesize the culture of the office and the people behind the projects.



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## Architecture 2 Gallery

### Transplan 2018



The challenge of TRANSPLAN 2018 was to design an immersive installation that evolves throughout the duration of the exhibition. This year's winning project is [DE] Evolution, designed by Madeleine Dafoe and Krista Renwick, students in the Faculty of Architecture at the University of Manitoba.

DE | Evolution explores the spaces that can be created when we release the control of a designed object in a juxtaposition between rigidity and spontaneity. As the bulb heats and melts the wax it falls to the surface below creating a distorted reflection of what was above.

### Identity and Indigeneity by Design

How are identities received, constructed, sustained and reinvented? If 'to design' is 'to intend' and 'to act decisively', how does such an act intertwine with our quest towards identities? Identity and Indigeneity by Design (IID) examined the role of design in relation to the ideas of identity and indigeneity in our contemporary context.

IID 2019 explored the issue through a panel discussion conceived in collaboration with the Centre for Professional and Applied Ethics in the Philosophy Department and a curated exhibit of works by the faculty and the students at the Faculty of Architecture.

See page 86 for further details.





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## Student Meet and Greet

Every year the Partners Program provides funding for student meet and greets that benefit graduate and undergraduate students in every department of the faculty. This annual support is given to the Interior Design Association of Students, Landscape Architecture Student Association, University of Manitoba Architecture Student Society, and the University of Manitoba Association of Planning Students. These student meet and greets help to foster relations between our students and the professional practice; providing valuable networking opportunities as well as a chance to gain insight about life after graduation.



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## Year End Exhibition



The Year End Exhibition is by far the largest annual event at the Faculty of Architecture. Bringing in over 800 guests, the exhibition provides an opportunity for the public to explore studios and view the student work from the year. The Year End Exhibition brings people together to help spark dialogue and create a sense of community within the faculty.

2019 – 2020 Year End Exhibition will be held on April 24, 2020. Stop by to see the amazing work that our students are producing!

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## Endowment Fund

Interest revenue generated from the Endowment Fund is allocated to projects providing academic enrichment, or advancing the academic and research goals of the Faculty of Architecture as represented by: Architecture, City Planning, Environmental Design, Interior Design, and Landscape Architecture. Applications are invited from constituencies related to the Faculty, normally to include staff, students, alumni and “Friends of the Faculty”.

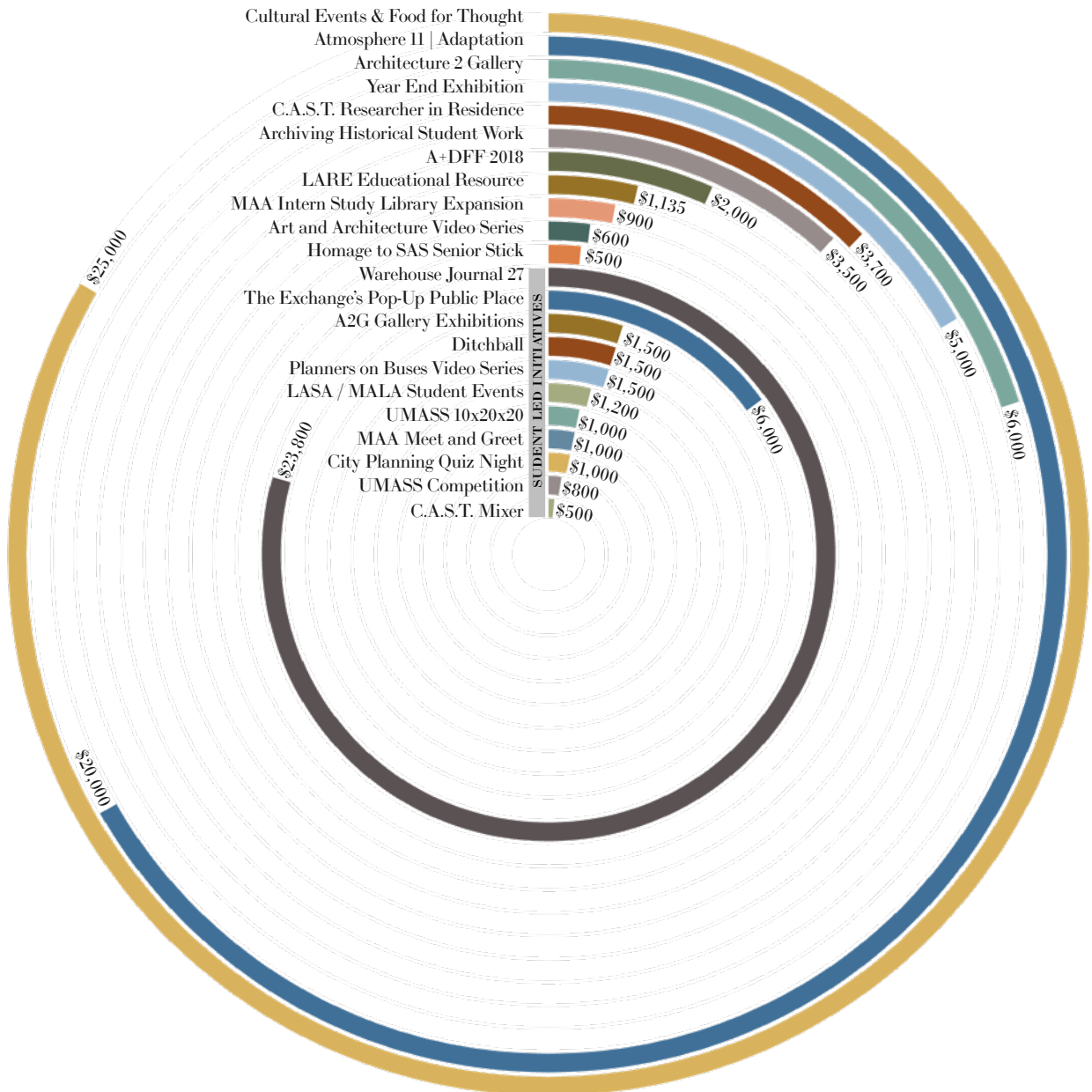
In the past grants have gone to support conferences, speakers, and other special events, the acquisition of library material and special equipment, as well as to encourage research and creative work.

Faculty Endowment Funds were established at the University to allow donors to contribute to the pursuit of excellence in areas of greatest interest to them. Each Fund is administered by a committee consisting of students, academics, support staff, alumni and other “friends of the faculty”. The Committee meets each year to determine the most effective way of spending the interest from gifts received.

A list of projects supported by the Endowment Fund in 2018/2019 can be found on the next page.



# Endowment Fund







# Awards

## Awards 2018 - 2019

### Faculty Wide

Allan Waisman Indigenous Architecture Scholarship	Evan Tremblay Meighan Giesbrecht Courtney Allary	Price Industries Ltd. Faculty of Architecture Recruitment Award	Nicole Brekelmans, Tiffany Lun, Tristan Merke, Hanna Hendrickson-Rebizant, Irena Tonnu   ED Kataun Habashi, Meighan Giesbrecht   AR Isaac Laapah   CP Olushola Shitta-Bey   ID Jamie Coverini   LA
ARCC / King Student Medal	Garth Woolison		
Canadian Masonry Research Institute Scholarship	Mitali Dembla		
Corrigill Scholarship	Caelan Chornoboy, Alixa Lacerna, John Gray, Jessica Piper   ED George Vincent   AR Anton Metalnikov   CP Katherine Godfrey   ID Alyssa Magas   LA	Social Sciences and Humanities Research Council	Jessica Piper, Claire Spearman, Jason Wall   AR Butho Ndhlovu   CP Kleighton Burns, Ashley Peebles   ID
Faculty of Architecture Endowed Scholarship	Tiffany Lun   ED Claire Spearman   AR Samantha Blatz   CP Kleighton Burns   ID Evan McPherson   LA Courtney Thompson   PhD	University of Manitoba Graduate Fellowship	Brittany Hince Siwicki, Marina Jansen, Fatima Naeem   AR Simon Lacoste, Brody Osadick   CP Marlena Jankowski   ID Kartik Kumar   LA Jeffrey Thorsteinson   PhD
Fridrik Krisjansson Scholarship in Architecture	Chuqi Zhong		
Manitoba Graduate Scholarship	Tia Watson, Connery Friesen, Ben Greenwood, Alyssa Hornick, Lexi Morse   AR Angie Mojica   CP Jessie Procyshyn, Ashley Ann Vinsky   ID Evan McPherson, Desiree Theriault   LA		
Maxwell Starkman Scholarship in Architecture	Emily Halldorson Jessica Piper Katie Godfrey		



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## Awards 2018 - 2019

### Environmental Design

Boe D. Wong Scholarship	Ralph Gutierrez	James Palmer Lewis Student Scholarship	Nicholas Krahn Nicole Brekelmans Alex Squire Ralph Gutierrez Janine Kropla Nadia Rodzinski Jinnette Alvaran Caelan Chornoboy
Building Energy Management Manitoba (BEMM) Scholarship in Architecture and Engineering	Austin Dorn		
Couture Indigenous Achievement Scholarship	Courtney Champagne	Kasian Scholarship for Architecture and Design Excellence	Jacee Kaczmar
Dan Muir Memorial Award	Brandon Bunkowsky	Michael Cox Scholarship	Josh Lingal
Dr. A.W. Hogg Undergraduate Scholarship	Zoe Goldman	Students' Architectural Society Award	Cornie Friesen Zoe Goldman
Faculty of Architecture Design Award	Nicole Brekelmans	Terry Cristall Scholarship in Environmental Design	Reanna Merasty
Isbister Scholarship in Environmental Design	Caitlin Ferris	University of Manitoba Gold Medal	Ralph Gutierrez
James Palmer Lewis Student Award	Alix Lacerna Irena Tonnu Stephen Meijer Holden Reich	William and Olive Humphrys Scholarship for Architecture	Janine Kropla





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## Awards 2018 - 2019

### Architecture

Alpha Rho Chi Medal

American Institute of  
Architects Medal

Arthur Buckwell Memorial  
Scholarship

Barbara Humphreys  
Memorial Graduate  
Scholarship in Architecture

Bill Allen Scholarship  
in Architecture

Canadian Institute of Steel  
Construction Graduate  
Fellowship in Architecture

Cibinel Design  
Achievement Award

George Vincent

Claire Spearman

Victoria Lovell

Meighan Giesbrecht

Connery Friesen (Research)  
Andrew Simonson (Travel)

Matthew Rajfur

Chelsea Tacchi

Harry Seidler and John  
Russell Recruitment Award  
in Architecture

Le Prix Jacques Collin en  
Architecture

Leonard C. Klingbell  
Scholarship in Architecture

Manitoba Association of  
Architects - Architecture  
Recruitment Award

Manitoba Association of  
Architects Medal

Mel P. Michener  
Architectural Fellowship

Norman Ripley  
Memorial Scholarship

Eric Decumutan  
Andrew Simonson  
Behnaz Rafeei

Tia Watson  
Teron-Jordan Richard

Ivan Katz

Tia Watson

Chelsea Tacchi

Zachary Zolondek

Jessica Westervelt



## Awards 2018 - 2019

Randy Gilbert  
Memorial Scholarship  
for Excellence in  
Architectural Design

Raymond S.C. Wan Architect  
Inc. Recruitment Scholarship

Royal Architectural  
Institute of Canada  
Student Honour Roll

Royal Architectural Institute  
of Canada Student Medal

Stantec Graduate  
Fellowship in Architecture

William E. Sheets  
Scholarship in Architecture

Albert Bellstedt

Fatima Naeem

Claire Spearman  
Zachary Zolondek  
Chelsea Tacchi  
Ivan Katz

Syeda Faesa Hasan

Luxiameng Yang

Teron-Jordan Richard



### City Planning

Canadian Institute of  
Planners Student Prize for  
Academic Excellence

City Planning  
Jubilee Scholarship

Dean David Witty  
Urban Design Scholarship

G. Clarence  
Elliott Fellowship

Mayor's Medal (2017-2018)

Thomas B. Yauk  
MPPI Scholarship

Conor Smith

Brennan Johnson

Anton Metalnikov

Anton Metalnikov

Alissa Rappaport

Alex Menjivar  
Felipe Mogollon



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## Awards 2018 - 2019



### Interior Design

Jean M. Pearen Scholarship	Paula Combate
Joan Harland Scholarship for Graduate Studies in Interior Design	Ashley Peebles
Professional Interior Designers Institute of Manitoba Medal	Chelsea Lazar
Professional Interior Designers Institute of Manitoba Thesis / Practicum Prize	Dongkun Zhang
R.A.C. Memorial Scholarship	Jessie Procyshyn
Roy C. Rettinger Graduate Scholarship for Interior Design	Kyle Kartzmark Katherine Wurch Olushola Shitta-Bey Celeste Main Maria Dyson Charles Padilla Stephanie Champagne Courtney Allary Paula Combate Nemuulen Battuvshin Roslyn Patterson
Stantec Graduate Fellowship in Interior Design	Tamara Barbour
Steelcase Prize for Design Excellence	Erns Wall
Tamara Kucey Memorial Scholarship	Charles Padilla

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## Awards 2018 - 2019

### Landscape Architecture

Alexander E. Rattray Scholarship in Landscape Architecture	Kartik Kumar	Department of Landscape Architecture Graduate Fellowship (2017-2018)	Dilaxshy Sivgurunathan
Andre Schwabenbauer Scholarship (external)	Elmira Sanati Nia	James C. Thomas Fellowship in Landscape Planning	Janelle Harper
Barkman Concrete Scholarship	Elise Ouellette Matthew Peters Carl Valdez Heber Garcia Christopher Sproule	Landscape Architecture Entrance Scholarship	Dominique Pereira
Canadian Society of Landscape Architecture Student Award of Merit	Sujana Devabhaktuni	MALA Fellowship in Landscape Architecture	Ian Laya Janelle Harper
Carl R. Nelson Travelling Fellowship in Landscape Architecture	Heber Garcia	Manitoba Association of Landscape Architects Medal	Omar De Mesa
Charles H. Thomsen Award in Landscape Architecture	Caila Sveinson	Ted McLachlan Community Engagement Scholarship	Krista Renwick
		University Olmsted Scholar	Garth Woolison



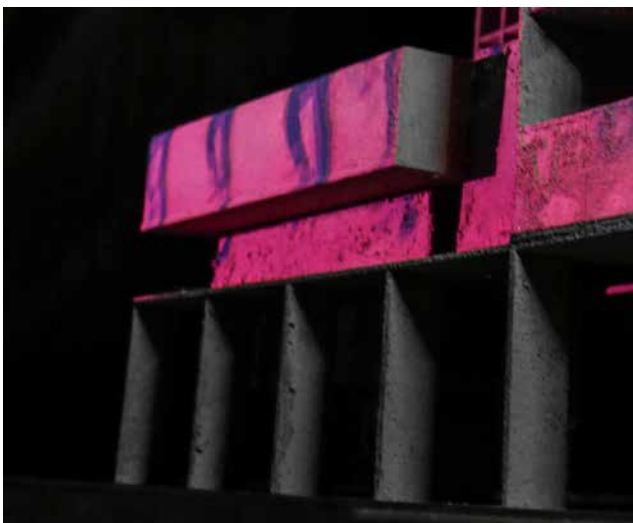


## Gold Medal Recipient

**Ralph Gutierrez** is an architectural designer and artist, who has studied architecture at the University of Santo Tomas College of Architecture, in Manila and acquired his bachelor's degree in Environmental Design in the Faculty of Architecture of the University of Manitoba. His academic work intends to reify identity and define experiential spaces through envisioned interventions in the urban landscape of Winnipeg. He intends to investigate the niche between art and architecture as a practice through the creation of rich and immersive built environments. He is also interested in exploring architectural photography in relation to identity and place-making. He is a recipient of the James Palmer Lewis Award for two consecutive years, and the Boe D. Wong Award, both from the University of Manitoba. He was the recipient of the 2019 University Gold Medal in Architecture for highest standing in Environmental Design.

### **MNMA (Museum of New Media Art)**

MNMA or the Museum of New Media Art is a repository of contemporary art installations and works either created or transmitted through electronic and non-traditional media. It aims to showcase interdisciplinary and multimedia forms of expressions linking art, cinema, music and theatre to technology. The programme of the structure is greatly inspired by the liminal conditions of the site where the art galleries



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## Gold Medal Recipient



and Cinematheque of the Exchange District meets the iconic performance spaces of the Burton Cummings Theatre and the Garrick Cinema. The MNMA features a multi-use exhibition hall, galleries intended for art installations, a cinema, a library and archive space, and also 20 dwelling units.

The design of the MNMA evokes the simplistic and brutalist character of the current building on the site, Towne Cinema 8. The redevelopment of the site seeks to challenge the overt seclusion of spaces inside of the Towne Cinema 8 as well as the archetypal exclusive characteristic of art galleries and cinemas which denies the potential for more lively street conditions. The project aims to reify the relationship with the exhibition spaces and cinema theatre in the gallery to the street, the neighborhood and also to the rest of the city. The proportions of the ground level of the museum also exists as a palimpsest of the previous structure.

The exposed concrete structural members of the MNMA define the focal presence and atmosphere of the building. Like a filmstrip they frame the narrative of the spaces inside the structure and also act as composition devices to the views and streetscape around the site. On the other hand, the layering in the glazing of the structure aims to create a blurring between outside and inside conditions. A typical assembly of space includes a long hallway bookended by two large parallel windows from opposite sides. This composition with the shifting lighting conditions and reflectivity creates a juxtaposition of images around the site, allowing the space to be more introspective. The glass walls and skylights envelope the cinema space as well permitting different spaces on various levels in the building to experience the presence of a moving picture in a screen.

The design of the MNMA was greatly inspired by the myriad of Winnipeg Modernist buildings. The programme of the Winnipeg Art Gallery by Gustavo Da Roza and the character and materiality of the Manitoba Theatre Center by Allan Waisman and Michael Kirby were vital precedents of this project.

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## Carl R. Nelson Jr. Teaching Award



*Tijen Roshko, recipient of the 2018/2019  
Carl R. Nelson Teaching Award*

Professor Carl R. Nelson Jr. was a distinguished professor in the Faculty of Architecture. He was honoured as a Professor Emeritus in 2001. Professor Nelson was an outstanding teacher and practitioner. He brought a sense of rigour, fun and dedication to the craft of design in his teaching. Carl moved smoothly and effortlessly between his discipline of architecture and the disciplines of landscape architecture and urban design. Carl was the founding Head of the Department of Environmental Studies (now Environmental Design). He taught across the Faculty in both the undergraduate and graduate programs. In honour of Carl's outstanding contribution to teaching in the Faculty of Architecture, the Faculty will award yearly the Carl R. Nelson Jr. Teaching Award.

**“Tijen brings her passion to the students in the faculty, she creates an engaging learning environment by sharing her love of travel, art and culture with our class. Her love for teaching shows in everything she does.”**

The 2018-2019 recipient of the Carl R. Nelson Teaching Award is Tijen Roshko (BID, MSc, BSc, PIDIM, NCIDQ Certified, LEED A.P.). Tijen is currently an Associate Professor in the Department of Interior Design at the University of Manitoba.

Tijen's credits that her somewhat non-traditional educational trajectory as shaping her approach to research. The completion of a Master of Science degree in Nuclear Physics, trained her to view the world through a filter of experimentally quantifiable and verifiable facts.

**“Tijen has been the most influential professor I’ve had the pleasure of learning from.... [she is] actively keeping the department a competitive force in areas of technology and virtual reality [which] resonates towards her consistent level of teaching excellence!”**

However, her subsequent education in design and her professional life in design practice fundamentally altered the strategies she used for viewing and interpreting her environment. Fifteen years of international professional experience spanning all scales and venues of design practice, from large scale project management to concept development of retail stores and hospital design, have crafted and informed the foundations of Tijen's teaching and research philosophies. She has a keen interest in vernacular architecture and seeks to understand the role of interiors in place-making and identity creation.

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## New Awards

### **Couture Indigenous Achievement Scholarship**

Ms. Christabelle O. Couture [B.Comm. (Hons.)/1983] and Mr. Gerald H. Couture [B.E.S./1981, M.C.P./1986] have established an endowment fund at the University of Manitoba with an initial gift of \$10,000 in 2015, and a commitment to a total gift of \$50,000 by 2019. The purpose of the fund is to recognize outstanding academic achievement by Indigenous undergraduate students in the I.H. Asper School of Business and the Faculty of Architecture. Each year, the scholarship will rotate between the I.H. Asper School of Business and the Faculty of Architecture.

### **Barbara Humphreys Memorial Graduate Scholarship in Architecture**

In memory of Barbara Humphreys (B.Arch./41), Douglas Humphreys and his daughter, Gwyneth, have established an endowment fund with the initial gift of \$250,000 at the University of Manitoba in 2017. The purpose of the fund is to reward the academic achievements of graduate students pursuing studies in the Master of Architecture program in the Faculty of Graduate Studies.



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