Architecture

Diane Armpriest and Carolina Manrique wrote and presented, “Towards a Multi-Faceted Integration Model of Teaching Architectural Design and Technology” for the Building Technology Educator’s Society (BTES) Biennial Conference, Des Moines, Iowa. June 2017

Xiao Hu worked with a group of architects from Shanghai Design Institute of Architecture to design a 500,000 sq. ft. civic center that includes a museum, a movie theater, a gallery, a performing art theater, and multiple multi-functional halls in suburban Shanghai. Construction will start early 2018 and is to complete in a year.

Bruce Haglund had a successful studies abroad course in the UK with 10 grad students, where they: participated in “Tool Day” at the John Hope Gateway with its designer Roddy Langmuir and others from the Society for Building Science and Education; students Michael Coleman and Luz Escalante presented a paper co-authored with Prof. Haglund at PLEA 2017 in Edinburgh.


Kasama Polakit presented a paper at the 13th International Conference on Thai Studies (ICTS), 15-18 July 2017, Chiang Mai, Thailand. During summer, she was invited to give two public lectures for two universities, Kasem Bundit University and King Mongkut Institute of Technology Thonburi, Bangkok, Thailand.

New faculty member Scott Lawrence successfully led “Immersion Vermont” this summer which brought 20 international professionals and advanced students for a weeklong intensive master class with Rick Joy, Brian MacKay-Lyons, and Julie Snow.
Art & Design

Completed successful **NASAD accreditation** visit and await the final report.

Awarded $3k Student Arts-Fee Grant for **UI Gateway Murals**; an additional $3k was raised through U&I Give crowdfunding campaign. **Danielle Capelli** (Secondary Education Art, ’18) and **Darci Deaton** (Interdisciplinary Studies ’15) were selected by a public polling of over 400 people.

**Sally Graves Machlis** was awarded a Distinguished Within the Profession Award at the Idaho Art Education Association Annual Conference.

**Casey Doyle** and **Stacy Isenbarger** have been granted tenure and promotion to Associate Professor. Stacy was elected as the VP of Communication for Foundations in Art: Theory & Education (FATE) for 2017-2019.

**Delphine Keim** and **Sally Machlis** will deliver a virtual presentation, “Portraying Science as Artistic Experience” as part of the Eighth International Conference on The Image at Venice International University, San Servolo, Venice, Italy.

“Thematic Design and the End of Architecture” by **Dave Gottwald** and **Greg Turner-Rahman** has been peer accepted for presentation and publication at the Eighth International Conference on the Constructed Environment in May.

**Mike Sonnichsen** is working with WSU to co-host the “Rocky Mountain Printmaking Alliance” 4th Biennial Symposium this Spring and has been invited to contribute work to the **Artist Printmaker/Photographer Research Collection** at Texas Tech.

MFA candidate **David Janssen** and **Dave Gottwald** attended a Letterpress Printing Workshop at the Hamilton Wood Type Museum in preparation for engaging ART 350 in letterpress printing.

**Nishiki Sugawara-Beda** was awarded a University Seed Grant to study Calligraphy and an Idaho Commission on the Arts Fellowship.

**Stacy Isenbarger** will be working with Professor Penny Morgan and colleagues on a Northern Rockies Fire Science Network grant.
Lapwai Studio Follow-Up

Last year, BIOP students worked with the Lapwai Community Action Team on the development of a wayfinding system. As a result, students in BIOP 561 Design Studio II are now working with students in Arch 454 Vertical Design Studio and members of the Nez Perce Tribe to envision a future for the BIA Parade Grounds in Lapwai. The studio allows planning students to learn more about the design process followed by architects, exposes them to the very complicated land use issues on reservations and shows them the different narratives, decision-making structures and planning tools available to a variety of stakeholders.

Idaho City Studio Follow-Up

Last year, students worked with professionals in the Northwest Community Development Institute’s Advanced Class in a studio on redevelopment opportunities in Idaho City. We made several suggestions to the Idaho City Chamber of Commerce about short and long term opportunities. As a result, all Idaho City planning documents and reports are now available in electronic format in the Boise Basin Library in Idaho City and the Chamber is also working with the City on a revision of the comprehensive plan. Finally, students in Kasama Polakit’s professional practice course in Architecture and Interior Design are assisting the school superintendent with the design of a 1100 square foot health clinic.

APA Idaho

With the support of UI Boise, we sponsored the annual conference of the Idaho Chapter of the American Planning Association.

At the conference, we discussed how we are collaborating with UI Extension to meet the needs for planning in Idaho’s 178 cities that have less than 10,000 residents as well as the 365,000 Idahoans in rural areas.
Select National and Regional Awards
National Finalist, AWFS Fresh Wood National Student Design Competition. Erica Albertson ’17, Miranda Anderson and Jay Pengilly, faculty advisors.

People’s Choice Award, Interior Designers of Idaho’s Chair Affair Gabriella Garcia, Miranda Anderson and Jay Pengilly, faculty advisors.

Best Recycled Design, Interior Designers of Idaho’s Chair Affair Gabrielle Diebner, Miranda Anderson and Jay Pengilly, faculty advisors.

“Over the summer I had the amazing opportunity to travel to a new city as an intern at the Cunningham Group Architecture in Las Vegas, Nevada. I worked on two casino projects which showed me all of the possibilities of working in a hospitality design firm. I coordinated product meetings with reps, managed the library and put together written Specifications for Control Sample Binders and doing some detail work and redlines in Revit.”

- Gabrielle Diebner, Senior ASID-IIDA Student Chapter President

Time, Context, & Design
Modern Storytelling with the Eames Chair
Herman Miller Inc. donated 5 Eames Molded Plastic Chair with Eiffel Bases with a student challenge to: “Bridge the past, present and future through innovative exploration and intervention that challenge form and materiality.”

Chairs were exhibited at the Moscow Chamber of Commerce and auctioned this past spring at the IDI Chair Affair with proceeds going to student scholarships. Special thanks to Claudia Day for this partnership opportunity.

Interdisciplinary Research
Professor and Interim Program Head Rula Awwad-Rafferty gave blind refereed presentation “Sharing the Story and Holding the Door Wide Open” at EDRA48 as part of the “Voices of Place–Indigenous Placemaking: Whose Stories Matter” symposium. She is also working on the following interdisciplinary grants with colleagues from engineering, education and other universities:

- PI, “Safety Equity and Transportation in Tribal Communities – Navigating Collaborative Approaches and Indigenous Partnerships” $80,000 for year 1, two years project, $160,000 for two years
Dr. Raffaella Sini and program lecturer Roberto Capecci lead the Summer Study Abroad program to Italy. The Italy studio work is currently being featured in the Reflections Gallery at the Idaho Commons, along with Sini and Capecci’s scholarly work, “Ghostbusters: Framing the ghosts along the disused railway between Moscow and Viola.” Sini also worked with students to take over 3 parking spaces in this year’s international PARK(ing) Day event, highlighting the importance of urban public and green space.

Professor Gary Austin is working on his fourth book, European Green Capitals - Planning and Design for Urban Sustainability, showcasing examples of sustainable landscapes in six cities that have won the Green Capital Competition. Austin has also contributed a chapter to a reference handbook on Food and Landscape that will be published by Routledge in 2018. His previous book, Green Infrastructure for Landscape Planning, is now available in Spanish.

After 23 years, Professor Stephen R. Drown retired in June. Associate Professor Beth Scott replaced Steve as the Program Head. Scott is working at Craters of the Moon National Monument to redesign remnant turf areas at its Mission 66 Visitor Center. She has submitted a paper for the 2018 CELA conference, “Resolving conflicts between historic character and sustainability goals at Mission 66 facilities.”

Daniel Cronan was hired as a full time Lecturer in Landscape Architecture. Cronan brings a strong combination of professional and research experience to the program. He previously worked with David Hulse at University of Oregon, and brings this expertise in Alternative Futures research to UI’s interdisciplinary research project, Innovations at the Nexus of Food, Energy and Water grant, developing multi-scalar geospatial modelling, evaluation, and representation for a project driven by stakeholder-assumptions on food, energy and water.
Virtual Technology & Design

**Neurochi tm CSF:** Brian Cleveley in conjunction with Biological Engineering (UI) leads a team to visualize the cerebrospinal fluid system (CSF). The research is Funded by the U of I’s Vandal Ideas Program and the final virtual platform will be used in teaching and research laboratories. Neurochi has been showcased both nationally and internationally.

**Louise Magbunduku** (UI, VTD Senior) presented evolutionary simulations with Kyle Harrington at the **European Conference on Artificial Life** (Lyon, France, September 2017). They have published two papers currently as a result of their Senior Capstone research:


**VTD in Siberia:** John Anderson is leading an international research team with Colleague and Distinguished Visiting Scholar, Jon Waterhouse, to visualize how **water quality** is impacted by **urbanization and climate change within arctic and sub-arctic Indigenous communities.** Research is funded by the Trust for Mutual and the NSF.
Technical Design Studio

• Ongoing explorations of **digi-fab modeling** with three **3D printers**, two **laser cutters** and the **ShopBot CNC machine**.

• Working with ART 121 instructors to deliver **orientation and safety training to 180 first year students**. This is an important activity during fall semester so that all incoming students understand the mission and safety rules of the Technical Design Studio.

• Successful conclusion to the Spring 2017 Furniture Design and Construction class with **awards at the Idaho Chair Affair** and one finalist in the **Fresh Wood/AWFS student furniture design competition**.

• **Gabriella Garcia** is featured in Here We Have Idaho magazine with her **People's Choice award winning chair** from the **2017 Idaho Chair Affair** competition.
We received **$150k funding** from the UBFC for the following **Technology Upgrades:**

- Replace and expand computer work stations and upgrade furniture in the Student Design Center and the MAC Lab
- Replace outdated projectors and upgrade furniture in primary critique and lecture spaces, including another video conference capable room for classes
- Convert all buildings to a centrally managed card-swipe lock system to address safety concerns.

**Surface Pro**

- Already in place and available for use; students have mentioned how much they like the flexibility and features of the system.
- The Microsoft Surface Studio provides a new level of physical interaction with digital media for the content creators among us. Features include:
  - 28inch traditional PC (all-in-one style) with seamless transition into a digital drafting table
  - Precise Surface Pen support for digital inking and annotating
  - On-screen use of the Windows Dial for preset features in various applications and the ability to set custom ones depending on need.
  - Conceptual apps to quickly construct and visualize scenes or 3D objects in a 2D method.
  - Digital blueprint review and annotation

**Student Design Center**

Working on downsizing/refining collections and redesigning space layout in preparation for new tech stations and furniture
The position of Educational Outreach Coordinator is currently vacant. Community and K-12 offerings operating at a reduced level of activity. Not awarded funds as part of the UBFC process for ed position or GOS.

- School-day docent led tours of gallery exhibits, being run by volunteers. Good attendance with MHS, limited to younger ages.
- After School Art Program (ASAP), expanded to Mondays and Thursdays dependent on instructor availability. May change again in the spring.
- ASAP in Troy ID gone

2017-18 Major Exhibition
Facing the Inferno
The Wildfire Photography of Kari Greer
Feb. 16 – Apr. 15, 2018

Facing the Inferno will be a collaboration with U of I Fire Science and involve multiple lectures, panel discussions and related activities on campus and at the gallery. Funded by a $15,000 grant from the NEA.
Gallery Store

• Store sales have seen **remarkable growth** in past three years
• Began with additional focus facilitated by third gallery employee
• Continues despite staff reduction and commensurate additional duties.
• Assistant Director **Nara Woodland** has picked up much of the operational activities of the Education Program in addition to actively growing gallery communications via the gallery newsletter.
• At one time the store functioned as the ‘rainy day’ cushion for gallery finances. This is now gone.
The Urban Design Center has seen a major renovation since July when the state board of education approved the offering of undergraduate architecture courses in Boise. **The main UDC space now features a reception area and studio space was reorganized to create a sense of creativity and liveliness.** Signage was installed in the hallway outside.

**Román Montoto** moved from Moscow to Boise and is now in the UDC. He is a professor of architecture and licensed architect with NCARB certification. Román has been the lead and involved with a wide variety of regional, national, and international writings, presentations, and creative works. His design studio teaching consistently results in award-winning student work through design competitions and architectural illustration exhibitions at the national and international levels.

**Dwaine Carver** was appointed as affiliate associate professor in architecture. A graduate of Rhode Island School of Design and Harvard University, his work has been published in Architectural Record, Sunset, How, and Sun Valley Art magazines, as well as the University of Washington Press book, Daylighting Design in the Pacific Northwest. His design practice includes public sculpture, fine art, and cultural planning and is distinguished by grant and competition awards and permanent public art works throughout the region.
Overview

• Under the direction of Elizabeth Cooper, IDL was awarded funding from Idaho Power Company, Northwest Energy Efficiency Alliance, State of Idaho, Department of Energy, Idaho National Lab, and Avista among others.
• >8 continuing or new grants and contracts awarded in 2017 totaling more than $600k
• Damon Woods presented at the International Building Performance Simulations Association in San Francisco in August
• Three CAA graduate students have research assistantships at the IDL, including the newest member of the lab, Ryker Belnap, who joined in August
• Faculty and students are presenting at several regional, national and international conferences in 2017 including the Idaho Energy and Green Building Conference in October

Research

• Work is beginning on an Avista Corp. research and development grant for “Managing for Efficiency Based on Operative Temperatures”
• Chinmayee Patil is completing her thesis on the use of a 3D sonic anemometer in a healthcare setting for energy efficiency and occupant comfort and has recently begun a collaboration with St. Luke’s Medical Center and will submit her work for publication of conference presentation at the end of the year
• Kylene Collette, a new MS student has begun her research into biophilic interventions in the urban environment to aid in the healing of victims of gender-based violence

Outreach

• The City of Boise celebrated the completion of the Central Addition redevelopment project, and the IDL will be participating with an informational table and tours of the lab
• Elizabeth Cooper presented two lectures at the Idaho Energy and Green Building Conference and attended the Healthy Buildings conference in Lublin, Poland in July.
• More than 25 professional education and outreach events completed in 2017.
Research & Outreach

- During Year 1 of CRC’s NSF-funded Innovations at the Nexus of Food, Energy and Water Systems award the CRC team has expanded with the recruitment of Postdoctoral Scientist Grace Villamor, Graduate Research Assistant Sarah Gilmore, and Intern Audrey Martinez.

- The CRC received $3.5M in new competitive research awards in FY 2017 led by Co-Director Lil Alessa.

- With WSU colleague Colin Grier, Lil Alessa and Andy Kliskey published a paper titled, “Looking to the Past to Shape the Future: Using Paleodata to address Social-ecological Change and Sustainability”, in *Regional Environmental Change*.

- BIOP graduate Josh Hightree, and Andy Kliskey, Lori Higgins, and Lil Alessa’s paper titled, “Themes in Community Resilience: A Metasynthesis of 16 years of Idaho Community Reviews”, has been accepted for publication in *Community Development*.

- Co-Directors Lil Alessa and Andy Kliskey, and Postdoctoral Scientist David Griffith, led the inaugural Social-ecological Systems Training and Education Program (SESTEP) course for federal land managers, supported by the Mountain Social-ecological Observing Network and Idaho EPSCoR.

- Lil Alessa, David Griffith, Program Coordinator Sarah Dengler, and Andy Kliskey, organized and led seven regional, national and international workshops on community-based observing and maritime domain awareness as part of CRC’s NSF-funded EyesNorth Research Coordination Network.

- Lil Alessa has been appointed Deputy Chief for Global Strategies at the Department of Homeland Security through an Intergovernmental Partnership Agreement with UI.

- David Griffith and Andy Kliskey facilitated a successful first Stakeholder Advisory Group meeting in Twin Falls, May 2017 for the INFEWS project.