Faculty Accomplishments in Research, Scholarship, and Creative Activity, 2020

The Architecture Research and Design Center (ARDC) facilitates and coordinates research and design activities within the College of Architecture (CoA). The Center assists faculty and students in their research/scholarship/creative endeavors, serves as a liaison to other research centers and institutes, and provides architectural/research services to the community.

The ARDC is headed by the Associate Dean for Research of the CoA and has one staff member. Physical resources include a fully equipped conference room and space for four research assistants. It also offers high-definition laser scanning equipment, ground-penetrating radar, and GPS survey instruments, among others. ARDC showcases faculty research, scholarship, and creative activities and houses a permanent collection of faculty productions. A list of faculty expertise is also available.

In the calendar year 2020, CoA faculty have published two books and re-printed one; eight book chapters; eighteen peer-reviewed journal articles; eleven conference proceedings; two technical reports. Faculty presented eight peer-reviewed papers at national and international conferences; were discussants at four conferences; gave thirty-one invited lectures in national and international venues. Faculty have exhibited their creative work in five international and national venues.

CoA faculty applied for a total of $15,806,359 in grants from international, national, and state entities. One faculty in collaboration with colleagues the College of Human Sciences has submitted as co-Principal Investigator a $15 million National Science Foundation, which is pending. Faculty have won $388,951 in grants, with an additional $256,903 pending review.

Additionally, faculty have organized conferences and workshops nationally, served as peer reviewers of journal articles and books, and served as panelists, nominators, and editors. Faculty also exhibited the work of their students at the local First Friday Art Trail and other venues. Full details of their research related activities are presented in the following pages.

Clifton Ellis, Ph.D.,
Associate Dean for Research
Elizabeth Sasser Professor of Architectural History
Books


Book, Reprint


Book Chapters


Journal Articles


Khan, Z., Du, P. (2020). Typologies of Outdoor Public Spaces at Street Level of Tall Buildings in

Dora Epstein Jones, “Models In and Out,” *Log* 50:

Dora Epstein Jones, “A Shared Umbrella,” *New York Review of Architecture*

Dora Epstein Jones, Invited Contributor, “So Much for Meaninglessness,” *Mechudzu* 2, University of Lincoln,


Zook, J. Balancing Support for Staff and Patient Centeredness Through the Design of Immediate and Relational Space: A Case Study of Ambulatory Care Center Layouts. *Health Environments Research and Design*.

**Conference Proceedings**


Imai, N. “‘Flipped’ Representation: Formatting Representation Courses for COVID-19 Using the Flipped Classroom Model.” (Submitted to the 2021 National Conference on the Beginning Design Student, November 23, 2020).


Mueller, S. Synoptic Optics: Computational Representation at the Synoptic Scale. *ARCC 2021*
Conference: Performative Environments [Conference Proceedings].


Professional Journals and Publications


Technical & Research Reports


Conference Presentations


Haq, Saif (2020), Transformation of profession and discipline: towards a pedagogical model for healthcare and wellness design, in Transform: Socially Embedded Collaboration, 51st Annual Conference of the Environmental Design Research Association (EDRA), April 4-7, 2020, Tempe, Arizona


**Conference Discussants**

Dora Epstein Jones. Contributor + Discussant, “Pivot to Online Learning Discussion Sessions,” ACSA (Spring and Summer 2020)

Dora Epstein Jones. Invited Panelist and Discussant, “ACADIA 2020: Distributed Proximities” (October 2020)


Dora Epstein Jones. Invited Keynote Discussant, “Blackboxing Banham,” The Ohio State University (March 2020)

**Invited Lectures**

**David Driskill.** “City Model based on Quality-of-Life Mapping, Sustainability and a 3-mile Transect”. The Sixteenth International Conference on Environmental, Cultural, Economic, and Social Sustainability, Pontifical Catholic University of Chile, Santiago, Chile. (29-31 January 2020).


Kripa, E. (Presenter & Author), Mueller, S. (Presenter & Author), Graduation of the

Kripa, E., Lecture Series, USC School of Architecture, Los Angeles, "Technology is the Answer, but what was the Question?," International. (April 1, 2020).

Kripa, E., Equity in Architecture Symposium, Georgia Tech, Atlanta, Georgia, "Equity in Archi


Lim, L., Invited Lecture at Healthcare Design of the Future, College of Design, Georgia Institute of Technology, "HEALTHCARE FACILITY LAYOUT AND DESIGN CAN SUPPORT TEAMWORK." (October 13, 2020).

Lim, L., Invited Lecture, Architecture and Urban Research Institute, Architecture and Urban Research Institute, Sejong, South Korea, "Age-friendly Community Policies and Initiatives in the US." (January 3, 2020).


International. (July 17, 2020).

Exhibitions


Kripa, E., Mueller, S. "Irradiated Shade," ACADIA. (October 2020 - Present).


Awards

Dora Epstein-Jones. Nomination for Rome Prize Fellowship, American Academy in Rome (July 2020)


Kripa, E. E., Mueller, S. University Design Research Fellow, Exhibit Columbus, National. Awarded to leading professors of architecture, landscape architecture, and design from American universities who will create installations highlighting their research. (November 2020).

## Grants:

### Joe Aranha

<table>
<thead>
<tr>
<th>Status</th>
<th>Title of Current Research or Grant</th>
<th>Granting Agency</th>
<th>Amount ($)</th>
<th>Chief Investigators &amp; Faculty Members in order</th>
<th>Percent Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Award</td>
<td>TTU scholarship catalyst grant</td>
<td>TTU Office of Provost</td>
<td>$3,000</td>
<td>Aranha, J. (Lead Principal Investigator)</td>
<td>100%</td>
</tr>
</tbody>
</table>

### Sora Key

<table>
<thead>
<tr>
<th>Year</th>
<th>Title of Current Research or Grant</th>
<th>Granting Agency</th>
<th>Amount ($)</th>
<th>Chief Investigators &amp; Faculty Members in order</th>
<th>Percent Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>Making to Learn, Learning to Grow: Robotics Laboratory as the Educational Infrastructure for Integrating Architecture and Technology</td>
<td>The CH Foundation</td>
<td>$228,451</td>
<td>Key, S. (Lead Principal Investigator)</td>
<td>100%</td>
</tr>
</tbody>
</table>

### Ersela Kripa and Stephen Mueller

<table>
<thead>
<tr>
<th>Year</th>
<th>Title of Current Research or Grant</th>
<th>Granting Agency</th>
<th>Amount ($)</th>
<th>Chief Investigators &amp; Faculty Members in order</th>
<th>Percent Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>University Design Research Fellowship</td>
<td>Exhibit Columbus</td>
<td>$10,000</td>
<td>Mueller, S. (Principal Investigator), Kripa, E. (Principal Investigator)</td>
<td>50%</td>
</tr>
<tr>
<td></td>
<td>COVID 19 Community Project</td>
<td>Project Vida</td>
<td>$40,000</td>
<td>Kripa, E. (Lead Principal Investigator)</td>
<td>100%</td>
</tr>
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</table>
Kristine Stiphany

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<thead>
<tr>
<th>Year</th>
<th>Title of Current Research or Grant</th>
<th>Granting Agency</th>
<th>Amount</th>
<th>Chief Investigators &amp; Faculty Members in order</th>
<th>Percent Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019 ongoing</td>
<td>Transforming Cities through Infrastructures - Interdisciplinary Collaborator</td>
<td>Utrecht University, the Netherlands</td>
<td>$20,000</td>
<td>Friendly, A. (Supporting), Stiphany, K. (Supporting), Oosterbaan, M. (Supporting), Otsuki, K. (Supporting)</td>
<td>25%</td>
</tr>
</tbody>
</table>

Dora Epstein-Jones, Co-Principal Investigator, One Health Sustainable Regional Systems Research Network, $15m National Science Foundation grant co-author (submitted January 1, 2021)

Ben Shacklette. CH Foundation Grant Award $10,150.00 “The German Country Schools of Gillespie County, Texas” Completed February 2020

Other Funding

<table>
<thead>
<tr>
<th>Status</th>
<th>Title of Current Research or Grant</th>
<th>Granting Agency</th>
<th>Amount</th>
<th>Chief Investigators &amp; Faculty Members in order</th>
<th>Percent Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Received</td>
<td>Student support for Land Arts of the American West, and for building the Land Arts Support Vehicle.</td>
<td>Matti and Henry Brown</td>
<td>$12,000</td>
<td>Taylor, C.</td>
<td></td>
</tr>
<tr>
<td>Received</td>
<td>Operational support for Land Arts of the American West 2020.</td>
<td>Andrea Nasher</td>
<td>$5,500</td>
<td>Taylor, C.</td>
<td></td>
</tr>
<tr>
<td>Received</td>
<td>Funds to acquire and build the Land Arts Support Vehicle.</td>
<td>Owl Call Radio</td>
<td>$50,000</td>
<td>Taylor, C.</td>
<td></td>
</tr>
</tbody>
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Receive
ed
Student support
for Land Arts of
the
American West.

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<tr>
<th>James Family Foundation</th>
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<tbody>
<tr>
<td>$10,000</td>
</tr>
<tr>
<td>Taylor, C.</td>
</tr>
</tbody>
</table>

Grants in the process writing

**Grants currently under review and grants declined**

Dora Epstein-Jones, Co-Principal Investigator, One Health Sustainable Regional Systems Research Network, $15m National Science Foundation grant co-author (submitted January 1, 2021)

**Cited Research in Peer-Reviewed/Referred venues**


Haq, Saif: 55 citations in 2020. Dr. Haq’s h-index = 9, i10 index = 9. See:  https://scholar.google.com/citations?hl=en&user=jHlymfAAAAJ

*Fronts: Military Urbanisms and the Developing World* by Ersela Kripa and Stephen Mueller
Selected for inclusion in *Society of Architectural Historians Booklist and Reader’s Advisory*. (Sep 2020).

**Citations in Scientific Reports**


**Cited in Media**