Architecture Research and Design Center

Accomplishments in
Scholarship, Creative Activities, and Research

January 1 to December 31, 2016

The Architecture Research and Design Center (ARDC) facilitates and coordinates research, scholarship, and design activities within the College of Architecture (CoA). It 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 2016, CoA faculty have written one book, one book chapter, seven peer-reviewed journal articles, lectured in 13 national and international venues, and displayed their creative work in 39 exhibitions. Additionally, they 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
College of Architecture

PUBLICATIONS

Books

1. **Flueckiger, Urs Peter.** *How Much House? Thoreau, Le Corbusier and the Sustainable Cabin*. Birkhauser Publishers: Basel, Switzerland, 2016.
How much House? is printed in two other separate editions, in German as *Wie viel Haus?* ISBN 978-3-0356-1026-0 and in French as *Combien d'Espace?* ISBN 978-3-0356-1029-1 October 2016.

Book Chapters

1. **Zook, J.,** and Bafna, S. "The feel of space: Social and phenomenal staging in the Seattle Central Library." in R.C. Dalton and C. Hoelscher, Eds., *Take One Building: Interdisciplinary Perspectives on the Seattle Central Library*. Routledge: New York 2016.

Journal Articles

1. **Aranha, Joe.** "Sophistication and Innovation in a Temporary Barcelona Pavilion." *UrbanNext online Journal,* September 2016 https://urbannext.net/contributors/joseph-aranha/ or https://urbannext.net/temporary-facility-barcelona/
2. **Beneytez-Duran, R., Ophelia Mantz.** "Tobogan House, Selected drawings and photographs, Emerging Architecture 2016." *Architectural Review,* 1435 (October 2016): 64-66.
3. **Beneytez-Duran, R., Ophelia Mantz.** Tobogan House, *IW 112 Magazine* (December 2016): 52-60.
4. **Beneytez-Duran, R.,** *"Los Esquizos del Aire",* ARQ 93, Issue "Suelo" March 2016, Catolica Universidad de Chile, Santiago de Chile, Chile.
5. **Beneytez-Duran, R.,** *"Atmósferas del Siglo XIX o de como la Teoría de Tammann explicó el fenomeno del Crystal Palace",* ARQ 95, Issue "Referentes" December 2016, Catolica Universidad de Chile , Santiago de Chile, Chile.
6. **Kripa, Ersela, Stephen Mueller.** "Domestic Insecurities: Simulated Informal Housing and the Future of Low-Intensity Conflict." *MONU Journal on Urbanism*, no. 24 (April 2016): 73-83.
7. **Kripa, Ersela, Stephen Mueller.** "The Cover of Daylight." *Scapegoat Journal,* Issue 10 (September 2016): 40-51
8. **Zook, Julie.** "Cut to the Pool." Art Papers, vo. 41, no. 1 (2016): 8-9.

Abstracts Published

1. **Aranha, Joe.** (2016), 'Legitimization of Tradition in West Texas Architecture'*,* in the proceedings of the *International Association for the Study of Traditional Environments Conference,* Kuwait University, Kuwait, December 2016. Traditional Dwellings and settlements Review (TDSR) V. XXVIII, No. 1, Fall 2016, p. 63-64.

2. **Haq, Saif** and Berhie, Girmay (2016), "Topological, geometrical, and metric considerations in Space Syntax analysis and their appropriateness to an urban isotropic grid," *Environmental Design Research Association (EDRA) Annual Conference, Innovation: Shifting Ground,* Raleigh, NC, May 18-21, 2016

Conference Proceedings

1. **Driskill, David,** 'Transforming a City of Alleys into a City of Spanish-Indebted Courtyards', conference proceedings of the *World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposia,* Procedia Engineering, Vol. 161, (2016): 1838-1844.
2. Berhie, Girmay and **Haq, Saif**. "Locational preferences and transportation mode choices of different socio-economic groups in the US: A Space Syntax included case study of two gridded and two non-gridded US cities," in the proceedings of 11th International Space Syntax Symposium, Lisbon, Portugal (2016), pp 45.1 – 45.21.
3. Pentecost, Ray, **Haq, Saif**., Byrd Theresa. "Designing for Health: at the center of the perfect storm that is redefining how we teach," in the proceedings of 2016 ACSA / ASPPH Fall Conference, Building for Health and Well-Being: Structures. Cities. Systems, Honolulu, HI (2016), pp. 114-119.
4. Zook, J. "Spatial structure as a performance metric for health," in Proceedings of the American Collegiate School of Architecture Fall Conference: Design and Health (2016), Sept 22-24, 2016. Honolulu, HI.

Book Reviews

1. **Ellis, Clifton**, *Arris, The Journal of the Southeast Society of Architectural Historians,* Vol. 27, 2016, Paul Niell. *Urban Space as Heritage in Late Colonial Cuba: Classicism and Dissonance on the Plaza de Armas of Havana, 1754 – 1828.* Austin: University of Texas Press, 2015.

Other Reviews

1. **Taylor, Chris. "**Troubling Troublemakers, film review of Troublemakers: The Story of Land Art, Director James Crump." *Art Journal,* vol. 75 (Summer 2016): 88-91.

PRESENTATIONS AND EXHIBITIONS

Conference/Symposia Presentations

1. **Isern, David.** *"Una Vision Nueva al Projecto Experimental de Vivienda: PREVI." (A New Look at the Experimental Housing Project: PREVI), presentation to the Asociacion de Ingenieros y Arquitectors de Mexico A.C., Monterey, September 2016, Nuevo Leon, Mexico.*
2. **Haq, Saif.** "Texas Tech's Response to the 'Perfect Storm' that is Redefining Education in Architecture and Health," in *Architecture and Health Education Forum: Integrating Practice and Academia, Healthcare Design Conference*, Nov 12-15, 2016, Houston, TX.
3. Wingler, Deborah, **Haq, Saif,** Lalowski, Timothy, Saaty-Tafoya, Avein. "Design and Space Implications of a PCMH: Guiding the Future," in *Healthcare Design Conference*, Nov 12-15, 2016, Houston, TX.
4. Pentacost, Ray, **Haq, Saif,** Theresa Byrd (2016), "Designing for Health: at the center of the perfect storm that is redefining how we teach," in *Association of Collegiate Schools of Architecture / Association of Schools and Programs of Public Health (ACSA/ASPPH) joint conference, Building for Health and well-Being,* Hawaii, 22-24 Sept 2016 (full paper published)

5. **Haq, Saif** and Berhie, Girmay (2016), "Topological, geometrical, and metric considerations in Space Syntax analysis and their appropriateness to an urban isotropic grid," *Environmental Design Research Association (EDRA) Annual Conference, Innovation: Shifting Ground,* Raleigh, NC, May 18-21, 2016 (abstract published).
6. **Kripa, Ersela, Mueller, Stephen**. "Infrastructure of Dust: Managing Particulate in the Borderland." ACSA International Conference, August, 2016, Santiago, Chile.
7. **Kripa, Ersela, Mueller, Stephen.** "*Copies of Copies: Simulated Cities from Security to Logistics." ACSA International Conference*, August 2016, Santiago, Chile.
8. **Kripa, Ersela, Mueller, Stephen.** "Borderlands and Boundaries-Producing and Policing Civic Space." *New Cities Future Ruins International Conference,* panel discussion with Teddy Cruz, Fonna Forman, Postcommodity, Stephen Mueller, November 2016, Dallas, Texas.
9. **McReynolds, Victoria, Perbellini, Maria.** "FeArch: Instilling Parity for Texas Tech Women in Architecture." Texas Women in Higher Education, Texas Tech University, January, 2016, Lubbock, Texas.
10. **McReynolds, Victoria, Perbellini, Maria.** "Translating Light from Sight to Site." *National Conference on the Beginning Design Student*, tinyTED presentation, February 26, 2016, San Luis Obispo, California
11. **Raab, Peter.** "Building to Learn, Learning to Build." paper presentation, *2016 National Conference on the Beginning Design Student*, February 26, 2016, San Luis Obispo, California
12. **Raab, Peter.** "*Sukkah: Shalom Building Culture Through Architectural Intervention." paper presentation, 5th Biennial Construction History Society of America Conference*, May 26, 2016, Austin, Texas.
13. **Raab, Peter.** "An Ecology of Innovation: Adapt, Reuse and Reimagine." paper presentation, *Association of Collegiate Schools of Architecture 2016 International Conference*, July 1, 2016, Santiago, Chile.
14. **Taylor, C.,** "Great Salt Lake Exploration Platform." *Association of Collegiate Schools of Architecture International Conference*, June 30, 2016, Santiago, Chile.
15. **Zook, J.,** "Spatial Structure as a Performance Metric for Health." presented at the *ACSA Fall Symposium*, September 24, 2016, Honolulu, Hawaii.
16. **Zook, J.,** "*Assess and Design for Patient Visibility and Awareness in ICU's." at the Health Care Design Conference and Expo*, with Michelle Ossmann, Ph.D. and Rebecca Barnes, TTU CoA undergraduate, November 13, 2016, Houston, Texas.

Conference Posters

1. Berhie, Girmay and **Haq, Saif**, (2016), Syntactic Measures of Closeness and Betweenness: A Comparative Analysis of Gridded and Non-Gridded American Cities. *Poster presented in Graduate Students annual Poster Presentation, TTU* (Category: Humans and their environment)

Peer-Reviewed Exhibitions

1. **Beneytez-Duran, Rafael, Ophelia Mantz.** *'Tobogan House',* video by Miguel de Guzman and Rocio Romero, 3rd Istanbul Biennal of Design, Curated by Beatriz Colomina and Marck Wigley, Istanbul, Turkey, October 22nd-December 22nd, 2016
2. **Davis, James.** '*Road to Taos' and 'Rista'*, West Texas Watercolor Societies annual Spring Exhibition, Buddy Holly Center, judge: Linda Baker, exhibited, Lubbock, Texas, April 2016
3. **Davis, James,.**'*Farm Lemons' and 'Farm Onions'*, the West Texas Watercolor Societies annual Fall Exhibition, Legacy Arts Center, judge: Peggi Habets, exhibited, Lubbock, Texas, November 2016

4. **Davis, James,** '*Aquere' and 'Marcel's Boys'*, the Pennsylvania Watercolor Society's Member's Online Exhibition, (Online Juried), accepted and exhibited, Pennsylvania, November 2016
5. **Davis, James.** *'Bonus Burgers'*, Kansas Watercolor Society National Exhibition, (National Juried Show), Mark Arts Center, juror: Dean Mitchell, accepted and exhibited, Wichita Kansas, November 2016
6. **Gonzales, Manuel.** *'Finding A Way',* International Print Exhibition: Environmentally Responsible Print Practice, McMaster Museum of Art, McMaster University, January-April 2016, Hamilton, Ontario Canada
7. **Gonzales, Manuel.** *'Take a Picture, It's Not Forever' and 'Cold Company',* 2016 National Juried Art Competition, South Arkansas Arts Center, July 2016, Eldorado, Arkansas
8. **Kripa, Ersela, Stephen Mueller.** *'Stereotypes',* Radical Urbanism Exhibition, The Hong Kont-Shenzhen Bi-City Biennal on Architecture and Urbanism, Shenzhen, China, February 2016
9. **Kripa, Ersela, Stephen Mueller.** *'Fronts',* Middlebury College, Vermont, February 2016
10. **Kripa, Ersela, Stephen Mueller.** *'DISCREET: A Civil Secret Service Agency',* Berlin Biennale artist in residence, Berlin, Germany, June 2016
11. **Kripa, Ersela, Stephen Mueller.** *'Climate Kit: A Collection and Exhibition of Fieldwork Methodology for the Anthropocene',* Otago Museum, Dunedin, New Zealand, August 2016
12. **Kripa, Ersela, Stephen Mueller.***'21 Feet',* Work in Progress Exhibition, Storefront for Art and Architecture, New York, New York, October 2016
13. **Kripa, Ersela, Stephen Mueller.** *'Selfie Wall',* Public Art Installation, The El Paso Museum of History, El Paso, Texas, October 2016
14. **Kripa, Ersela, Stephen Mueller.** *'Feral Federation',* Rubin Center, El Paso, Texas, October 2016
15. **Kripa, Ersela, Stephen Mueller.** *'Border Insecurities',* pop-up installation on Us/Mexico border with Crossway Foundation, UTEP, hosted by Rubin Center, El Paso, Texas, October 2016
16. **Kripa, Ersela, Stephen Mueller.** *'Feral Federation',* Solo Exhibition, Stanlee & Gerald Rubin Center for Visual Arts, UTEP, El Paso, Texas, October-December 2016
17. **Kripa, Ersela, Stephen Mueller.** *'Cloud 9',* Pas De Calais, New York, New York, November-December 2016
18. **Park, Kuhn.** *'Sound Visualization',* Broadcast Museum of Shenzhen, Shenzhen University, Shenzhen, China, December 30, 2015 – January 12, 2016
19. **Park, Kuhn.** *'Interactive Graphics',* the International Workshop in Media and Communication, Communication University of China, Beijing, China, March 11-22, 2016
20. **Park, Kuhn.** *'OPEN4: Interactive Graphics'*, Advertisement Museum of China, Beijing, China, March 25-April 11, 2016
21. **Park, Kuhn.** *'Path of Seongsu',* continual threading among differences, or er garden, Seoul, South Korea, July 5th-19th, 2016
22. **Park, Kuhn.** *'Recovering Old, Recreating Youth',* 2016 Busan International Architecture Design Workshop, Busan, South Korea, August 1-7, 2016
23. **Raab, Peter.** *'Innovative Architectural Enclosures',* material tour, 77th Annual Convention and Design Expo, Texas Society of Architects, San Antonio, Texas, November 5, 2016
24. **Taylor, Chris.** *'Radical Seafaring',* Great Salt Lake Exploration Platform, Parrish Art Museum, curated by Andrea Grover, collaboration with Steve Badgett and the Center for Land Use Interpretation, Water Mill, New York, May 8th – July 24th 2016
25. **Watkins, James.** 'Reflections'*,* laser cut tiles exhibited in the 3D Digital World EXPO, Tarrant County College, Hurst, Texas, March 21st – April 22nd 2016
26. **Watkins, James.** *'Art on the Llano Estacado',* Group Exhibition, Texas Tech University Museum, Lubbock, Texas, April 2016

27. **Watkins, James.** '*exhibited ceramic vessels',* Group Exhibition, the Arts on the Llano Estacado, Texas Tech University Museum, Lubbock, Texas, April 2016
28. **Watkins, James.** *'exhibited ceramic vessels',* Group Exhibition, Metchosin International School of the Arts, Victoria BC, Canada, July 4-10, 2016
29. **Watkins, James.** *'West Texas Mudslingers',* Group Exhibition, Art Satellite Gallery at CASP/LHUCA, Lubbock, Texas, November 4-6, 2016

FUNDED RESEARCH

Ongoing Funded Research
1. **Driskill, D., Louden, E.,** '*Clarendon Historic District Documentation',* Texas Economic Development Corporation, $17,000, 2016
2. **Driskill, D.,** *'UrbanTech'* Enrichment Fund, The <u>CH</u> Foundation, $25,000, 2016
3. **Driskill, D., Johnson, K.,** *'Urban Design and Community Design',* Mark E. Humphreys, AIA and Texas Research match, $1,500,00, 2016
4. **Driskill, D.,** Arterburn, T., Vanos, J., *'Thermal Comfort at Fair Park, Dallas, Texas',* Trammel S. Crow Grant, $3,000, 2016
5. **Driskill, D.,** *'Parkway Sommerville Center Vision Plan',* FBT Architects and HB Construction, $5,000, 2016
6. **Driskill, D.,** *'Lubbock Lake Landmark Vision Plan',* Texas Tech Museum, $6,000, 2016
7. **Driskill, D.,** *"Regis Park Sustainable Industrial Zone Vision Plan',* Dominion Real Estate, $3,000, 2016

Research Grants and Fellowship Proposals
1. **Aranha, J**oe. British Council Grant for Capacity Building in Ethiopia: Project for development of graduate programs in Ethiopia, $1,000,000 grant awarded, 2016. One of 6 Principle Investigators.
2. **Driskill, D**avid. Arterburn, T., Vanos, J., '*Importance of Landscape in Urban Environments'*, Texas Tech University Transdisciplinary Research Grant, $4,000, 2016.
3. **Raab, P**eter. Colwell, M., Gaines, K., Klein, C., Pearson, M., '*A Multidisciplinary Approach to the Creation and Design of a Malawian Early Childhood Development Center'*, sponsored by College of Human Sciences, Texas Tech University Grant, $7,500, 2016.
4. **Shacklette, B**en. *'Gillespie County Country Schools Historic structures field documentation, oral histories, and archival research in rural Fredericksburg, Texas'* Texas Tech University Scholarship Catalyst Program Competition Internal Research Grant Sponsored by the Offices of the President, Provost and Vice President for Research, $3,500, Spring-Fall 2016.
5. **Zook, Julie**. '*Flow of city life in film'* Alumni College Fellowship, awarded by the TTU Humanities Center, November 2016 ($2,000).

RELATED SERVICE

Editor / Peer Reviewer / Jury Member / Panelist / Curator / Correspondent, etc.
1. **Aranha, Joe.** *Abstract Reviewer*, IASTE Conference, for Kuwait Conference, UC Berkeley, California, 2016
2. **Buelinckx, Hendrika.** *Book Review,* **Research in Architecture**, J. Hale, Editor, Laurence King Publishers, Summer 2016

3. **Buelinckx, Hendrika.** *Book Proposal Review,* **This Thing Called Theory: Critiques, Critical Studies in Architectural Humanities**, J. Hale, Editor, Routledge Publishers, September 2016.
4. **Beneytez-Duran, R.,** *"Grounding Translation".* Panelists: Elizabeth Sharp, Victoria McReynolds, Curtis Bauer, Don Lavigne, Rafael Beneytez-Duran, Non Fiction Now Conference. Reikiavik, Island, Novemeber 2016.
5. **David A Driskill.** Invited panelist with Dr. Jennifer Vanos and Jason Hodges, ASLA, Texas Tech University Climate Science Center Interdisciplinary Seminar Panel on Urban Sustainability, December 6, 2016.
6. **Ellis, Clifton.** *Peer Reviewer,* for the promotion and tenure of Daniel Vivian, Assistant Professor and Director, Public History Program, Department of History, University of Louisville, Louisville, Kentucky, 2016.
7. **Ellis, Clifton.** *Peer Review,* **A Tabernacle for the Dead: The Rural Cemetery Movement in the Antebellum South,** Journal of Southern History, unknown author, blind peer review, 2016.
8. <u>**Flueckiger Urs Peter. Invited Juror:**</u> Invited as an external juror for the ARCHONE Prize at the School of Architecture, University of Arizona in Tucson, AZ. Spring Semester 2016. One of three invited external jurors selecting the best 3rd year student project. April 2016.
9. **Haq, Saif.** Paper reviewer **1 full paper and revised submission**, *Environment and Planning B: Planning and Design,* Pion Publications
10. **Haq, Saif.** Paper reviewer **1 full paper and 1 revised version** *Journal of Environmental Psychology*, Elsevier Publications
11. **Haq, Saif.** Paper reviewer **1 full paper,** *Journal of Interior Design*, Wiley
12. **Haq, Saif.** Paper reviewer, **2 full papers** *Environment and Behavior*, Sage Publications, CA
13. **Haq, Saif.** Paper reviewer **1 full paper,** Health Environments Design and Research Journal (HERD), Sage Publications
14. **Haq, Saif.** Paper reviewer, 4 full papers for Architectural Research Addressing Societal Challenges, the *10th International Conference of the European Association for Architectural Education (EAAE) and the Architectural Research Centers Consortium (ARCC),* University of Lisbon, Faculty of Architecture, Lisbon, 15-18 June 2016
15. **Haq, Saif.** Paper reviewer **24 proposals in two rounds,** Health Care Design Conference (Research Track) Submissions, Houston
16. **Haq, Saif,** Peer reviewer, **President's Excellence in Commercialization Award, Texas Tech University**
17. **Haq, Saif, PhD dissertation examiner**: "Assessing the measures of street connectivity: a comparative study of the largest American cities" of Stephanie Dawn Haynie, Georgia Institute of Technology. (Examiners Ellen Durham Jones, Steve French, Sonit Bafna, John Peponis and Saif Haq)
18. **Saif Haq, Co-Chair,** *Research Coalition*, Center for Health Design, (see https://www.healthdesign.org/about/volunteers/research-coalition).
19. **Saif Haq, Chair,** *New Investigator Award Committee*, Center for Health Design, California. (Award worth <u>$10,000.00)</u>
20. **Saif Haq, Elected Treasurer and Executive Council Member** Architecture Research Centers Consortium (ARCC), since Nov 2012.
21. **Park, Kuhn** *Paper Reviewer*, 2 papers for the BIM 2016: Effective, Productive, Profitable Workflows, University of Southern California, July 22, 2016.
22. **Park, Kuhn.** *Paper Reviewer,* 1 paper for the Façade Tectonics 2016 World Congress, Sheraton Grand Hotel, Los Angeles, California, October 10-11, 2016.
23. **Taylor, Chris.** *Book Endorsement*, for **Thirtyfour Campgrounds,** by Martin Hogue, Cambridte, Massachusetts: MIT Press, 2016.

24. **Taylor, C**hris. *Peer Reviewer,* for **Journal of Architectural Education,** Manuscript ID JOAE-08-16-S-0065.
25. **Zook, Julie.** *Reviewer for Environmental Design Research Association* conference submissions, January 2016.

Invited Lectures

1. **Aranha, J**oe. *'Contemporary and Traditional Architecture and the Built Environment in Nonwestern Societies'*, Escuela Tecnica Superior de Arquitectura de Sevilla, University of Seville, June 2016, Seville, Spain.
2. **Aranha, J**oe. *'Meaning in Traditional Architecture in Nonwestern Societies'*, Universidad de las Americas, Puebla, Department of Architecture, Universidad de las Americas, February 2016, Puebla, Mexico
3. **Buelinckx, Hendrika.** '*Women and the Architecture of the American West-Part II: Women as Muses'*, OLLI, Osher Lifelong Learning Institute, Texas Tech University, February 2016, Lubbock, Texas
4. **Flueckiger, Upe** *'The Making of How Much House'* College of Architecture Lecture Series SPECULATIONS. Exhibition in CURRENTS Lecture, Texas Tech University, November 2016, Lubbock, Texas
5. **Kripa, Ersela, Stephen Mueller.** *'Hackable Infrastructures',* Cameron Visiting Architect Fellowship talk, Middlebury College, February 2016, Vermont
6. **Kripa, Ersela, Stephen Mueller.** *'Architecture's Sleeper Agents',* Architecture Lecture Series, University of Arizona College of Architecture, Planning and Landscape Architecture, November 2016, Tucson, Arizona
7. **Kripa, Ersela.** *'Testing El Paso',* TEDx speaker, September 2016, El Paso, Texas
8. **Taylor, C.,** *'Expanding Horizons with Land Arts',* Utah Museum of Fine Arts, September 2016, Salt Lake City, Utah
9. **Watkins, James.** '*Alternative Firing Techniques'*, Lecture and Power Point Presentation, National Council on Education for the Ceramics Arts Conference, March 2016, Kansas City, Missouri
10. **Watkins, James.** *'Alternative Kilns & Firing Techniques',* Lecture and Workshop, Metchosin International school of the Arts, July 4-10, 2016, Victoria BC, Canada
11. **Watkins, James.** *'Mud Slingers',* Lecture and Workshop, LHUCA Clay Studio, November 4-6, 2016, Lubbock, Texas
12. **Zugay, Brian.** *'First Methodist Church, Lubbock: Building on the Western Frontier',* at the 2016 Convocation of Archivists and Historians of the South Central Jurisdiction of the United Methodist Church|Texas United Methodist Historical Society Annual Meeting, First Methodist Church, October 2016, Lubbock, Texas

PROFESSIONAL / DESIGN / GRAPHIC / PRODUCTION WORK

1. **Kripa, Ersela.** Selfie Wall public art installation, El Paso, Texas [project budget $20,000] Scope: Lead Architect/Partner with AGENCY, October 2016.
2. **Kripa, Ersela.** Evolving Skyline, Carmen Opera Stage Set, El Paso, Texas [project budget $5,000] Scope: Lead Architecture/Partner with AGENCY, February 2016.
3. **Flueckiger, Upe.** *Stage and Restrooms at the LHUCA Plaza,* assisted Jean Caslin in schematic design proposal and grant writing for the LHUCA Plaza. [project budget: $100,000], completed August 2016

4. **Raab, Peter.** *Plastic Supply*, San Antonio, Texas [estimated construction cost: $180,000], Scope: Lead Architect and Designer for project, currently on hold (construction documents completed, 2016

5. **Raab, Peter.** *Lakehouse + Studio Renovation,* Buffalo Springs Lake, Texas [estimated construction cost: $180,000], Scope: Design architect, currently on hold, (schematic design), 2016

6. **Raab, Peter.** *Kitchen + Home Renovation,* Lubbock, Texas, [estimated construction cost $20,000], Scope: Design and Contractor for project, Completed 2016

7. **White, J.E., White, J.P.,** Mr. and Mrs. Mark Gabro Residence, [project budget: $355,894], design, contract documents, contract bidding, construction observation, residence to be completed in early 2017

8. **White, J.E.,** Developed Master Plan for new subdivision, Lubbock Habitat for Humanity, completed; and engineering infrastructure design being completed, Talkington Foundation for infrastructure development, grant awarded $502,000, 2016.

HONORS / AWARDS

1. **Beneytez-Duran, Rafael, Ophelia Mantz.** *Emerging Architecture 2016 Award,* Tobogan House, Nominated and awarded finalist, Architectural Review, London, 2016

2. **Beneytez-Duran, Rafael, Ophelia Mantz.** *Best International Space Design Award 2016,* Idea-Tops, Shenzhen, China, 2016

3. **Beneytez-Duran, Rafael, Ophelia Mantz.** *Colegio Oficial de Arquitectos de Madrid COAM 2016,* Award finalist, Madrid, Spain 2016

4. **Beneytez-Duran, Rafael, Ophelia Mantz.** *Simon Awards, Mies van der Rohe Foundation,* selected, Tobogan House, 2016

5. **Isern, David.** *Design Award,* Recreational Pavilion, 2019 Pan-American Games: Invited competition, Lima 2019, ODEPA & PASO, Lima, Peru, January 2016.

6. **Kripa, Ersela.** Invited Fellow in Residence, Berlin Biennale, Berlin, Germany, June-July 2016.

7. **Kripa, Ersela**. Invited in highly selective Residency, Middlebury College, Middlebury, Vermont, November 2016.

8. **Park, Kuhn**. *First Prize for 'CoExistence',* awarded by Chair of Busan Municipal Assembly Award, (with students: Tyler McBeth, Texas Tech University, Siyi Fu, Tongji University, and Gayeon Park, Dongseo University), Busan, South Korea, August 6, 2016

9. **Watkins, James.** *Third recipient of the Arts on the Llano Estacado Legacy Award,* presented by the Texas Tech Museum Association, Texas Tech University, Lubbock, Texas, April 2016.

10. **Julie Zook**. Architectural Research Centers Consortium King Medal for Dissertation, presented by the doctoral faculty at the Georgia Institute of Technology College of Architecture, May 2016.

RECOGNITIONS/PUBLICITY

1. **Beneytez-Duran, R., Mantz, O.,** (2016) "Tobogan House", Emerging Architecture 2016, Architectura Review, 1435, pp 64-66 / October 2016, Selected drawings by Rafael Beneytez-Duran and Photographas.

2. **Beneytez-Duran,R.,** (2016) Mark Magazine, , Mark 64, "*Anything you want*" Critic by David Cohn,

Tobogan House, pp. 65-73 Oct / Nov 2016.

3. **Beneytez-Duran,R., Mantz, O.,** (2016) "Tobogan House", IW 112 Magazine Front Page + pp 52-60 / December 2016.
4. **Kripa, Ersela.** Featured interview in DISCREET, *An Intelligence Agency for the People,* Director Christopher Roth. Previewed at Berlin Biennale, September 2016.
5. **Kripa, Ersela.** Interview, *Feral Federation,* KTEP Public Radio, State of the Arts, September 2016.
6. **Kripa, Ersela.** Article featuring Berlin Biennale work, in *The Most Subversive Work at the 9th Berlin Biennale is a Secret Intelligence Agency*, Artnet by Alyssa Buffenstein, July 15, 2016.
7. **Kripa, Ersela.** Interview, in *AGENCY Discusses the US-Mexico Border*, the Architect's Newspaper, Matt Shaw, April 2016.
8. **Kripa, Ersela**. Project review, *Flash Installation*, DOMUS Magazine, January 2016.
9. **Kripa, Ersela**. Editorial review, MONU #24 On Domestic Urbanism, Bernd Upmeyer, 2016.
10. **Kripa, Ersela.** Interview, *Radio DISCREET 2,* hosted by Augustina Woodgate, Berlin Community Radio, July 2016.
11. **Taylor, C**hris 'Great Salt Lake Exploration Platform'*,* Grover, Andrea, Terrie Sultan, Sasha Archibald, Alexander Blair Dumbadze and Dylan Gauthier, *in Radical Seafaring, Watermill, New York: Parrish art Museum/Munich: Delmonico Books-Prestel*, pp. 98-101, 2016.
12. **Watkins, James.** 24 Frames KTTZ TV, Texas Tech University, 'Profile Interview', first aired in October 2016, continues to exist on YouTube

EQUIPMENT AVAILABLE IN THE ARDC

3D Laser Scanner(s)

Leica HDS 3000 is a high definition laser scanner for the documentation of communities, historical architecture and archaeology. Uses include the collection of 3D point cloud data for historical structures documentation such as the Statue of Liberty and high definition documentation of archaeological sites such as Mesa Verde National Park.

Leica Scan Station C10 is an upgrade to the HDS 3000. This equipment includes the functionality of an optical total station which allows users to traverse, resection or use scan targets for maximum flexibility in dealing with site logistics. It also conducts general 360º and focused areas scans faster, can be setup & moved faster, lets users locate targets, register & geo-reference faster, and lets users check scan results faster.

http://today.ttu.edu/2012/11/school-of-architecture-acquires-state-of-the-art-equipment/

Global Positioning System (GPS) Survey Equipment

Trimble survey grade GPS is for site and structure documentation. Uses include positioning data set for inclusion into Geographical Information Systems (GIS) and surveying of architectural and archaeological sites. This is usually used in conjunction with the 3D laser scanner (Leica HDS 3000) on documentation projects to give survey co-ordinates to the point cloud data gathered by the scanner.

Optical Total Station (Survey Equipment)

This **Leica survey instrument** is for the documentation of architecture and communities. Uses include establishing control grids for the documentation of architecture, communities and archaeology. This is typically used in conjunction with the GPS survey equipment in our historical documentation projects.

Creaform Handheld 3D Scanner

The Creaform handheld 3D Scanner is a portable, high resolution (sub-millimeter) scanner. Uses include 3D scanning of existing objects, 3D archiving, complex shape acquisition, measurements archiving, digital models and mock-ups and rapid prototyping.

FLIR Infrared Camera

The FLIR Infrared Camera captures images in the infrared spectrum allowing the user to detect the difference in temperature between an area and its surroundings. The FLIR infrared camera is an excellent, non-contact, tool for Building Diagnostics, Energy Audits, Moisture Detection, and Restoration & Remediation.

Ground Penetrating Radar

The ground penetrating radar system uses radar pulses to image the subsurface. GPR can be used in a variety of media, including rock, soil, ice, fresh water, pavements and structures. It can detect objects, changes in material, and voids and cracks. Applications include nondestructive testing (NDT) of structures and pavements, locating buried structures and utility lines, and studying soils and bedrock. In environmental remediation, GPR is used to define landfills, contaminant plumes, and other remediation sites.

FACULTY EXPERTISE

College of Architecture, Texas Tech University

Faculty	Primary Research Focus	Other Research Areas	Other Research Areas	Other Research Areas	Other Research Areas
Aranha, Joseph	Vernacular architecture	Non-Western Architecture	Climate responsive architecture	Meaning and symbolism in architecture	
Beneytez-Duran, Rafael	Atmospheric Architectural Events				
Buelinckx, Hendrika	Formal design theory and methods	Visual spatial literacy	Shape algebra's and grammars	Women in architecture	Architectural theory
Davis, Jimmy	Architectural Rendering/delineation/illustration	Watercolor	Art	Exhibition	Photography
Driskill, David	Urban Design	Sustainability	Programming	Architecture for High School Students	Community Design
Colangelo, Jessica	Urbanism	Environmental Aesthetics	Sustainability		
Ellis, Clifton	Cultural Landscapes	Antebellum South	Slavery	Domesticity	Renaissance & Enlightenment
Fairbetter, La Gina	Creative Process	Mural Painting	Design Communication	Design Communication	Freehand Drawing
Flueckiger, Urs Peter	Architectural Design	Economical ecological Architecture and Sustainable Design	Design Build	Architectural Drawing	Architectural Drawing
Glassell, Mari Michael	Urban Theory and Design	Urban Diagnostics	Multi-Family Housing / Density	Adaptive Re-Use	Foundation Design Studio
Gonzales, Manuel	Drawing/Painting	Digital Media	Mixed Media	Alternative Print Making	Photo Process
Gonzales, Robert	American History	Latin American Architecture	Border Architecture	Design	American Studies
Haq, Saif	Spatial Cognition	Space Syntax	Architecture and Urban Theory	Non Western Architecture	Health Care Facilities Design
Hill, Glenn	Energy + Design	Visualization	General Systems Theory	Computer Simulation of Buildings	Integrated Architecture
Isern, David	Urbanism	Urban Mapping	Theory	History of Architecture	
Kripa, Ersela	Hackable Infrastructures and Public Space for Equitable Cities	Military, security, surveillance and their effects on urban environments	US-Mexico border urban research through invisible vectors of environmental issues	Digital fabrication tools and material processing in service of affordable constructions	Empowering women in architecture
Mantz, Ophelia	Environment and Architecture	Sustainability			
McReynolds, Victoria	Installations	Terrain vague	Memory space	Design pedagogy	Steps and stairs
Meuller, Stephen	Security and Public Space	Emerging Technologies	Military Urbanism	Urban Morphometrics	
Neiman, Bennett	Design	Process	Improvisation	Imagination	Creativity
Park, Kuhn	Computational Design	Building Information	Information Envisioning	Digital Media Arts	Physical Computing

		Modeling			
Perl, Robert	Architecture	Design Methods	Sustainability	Design Thinking	Visualization
Raab, Peter	Architectural Design + Fabrication	Construction	Structural Analysis	Design-Build	Sustainability
Armando Rigau	Architecture and Philosophy	Formal Analysis	Materials	History in Architecture	Research in Concrete
Shacklette, Ben	Architectural design	Participatory processes in community design	Vernacular Architecture of the American Southwest	Service learning and Community Engagement	Architectural Drawing and Freehand Sketching
Charles Sharpless	Architecture Design	Representation	Curation	Historic Preservation	
Smith, Gary	Historic Preservation	Historic Structures Reports	Documentation	Adaptive Use	Ethics
Stiphany, Kristine	Latin American Architecture and Urbanism	Housing and Infrastructure	International Development Policy	Civic Data for Critical Urban Mapping	
Taylor, Chris	Embodied fieldwork	Land art / earthworks	Interdisciplinary practice	Design-build	Design pedagogy
Torres, MaryAlice-	Community Design	Urban Design	Downtown Revitalization	Historic Preservation	Architecture
Wade, Derrick	Sensory design	Local government	Client relationships	Residential design and construction	Cold climate sustainable design
Watkins, James	Free Hand Drawing	Water Color	Architectural Ceramics	Ceramic Art	
White, Jim	Housing	Accessibility	Site design	Materials and methods	
White, John	Historic Preservation	Architecture	Adaptive Use		
Zook, Julie	Spatial morphology	Health & healthcare	Urbanism	Design and visual narrative	Spatial perception and cognition
Zugay, Brian	Churches	Religious Architecture	American Architecture		