

# College of Architecture, Texas Tech University ARDC Report for Academic Year 2010-2011

Compiled by Saif Haq, Ph.D, Associate Dean for Research



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 public.

The ARDC is headed by the associate dean for research of CoA, and has two staff members. Physical resources include a fully equipped conference room and space for four research assistants. It also offers high definition laser scanning equipment and a virtual reality projection system. ARDC showcases faculty research, scholarship, and creative activities and houses a permanent exhibition of faculty productions. A list of faculty expertise is also available.

In the academic year 2010-2011, ARDC hosted the CoA Symposium titled “Tools and Methods in Architectural Scholarship and Research”. CoA faculty and students published six full papers, presented in 32 conferences, lectured in 19 events, exhibited in 19 exhibitions, completed one major public building renovation project, and applied for 14 grants and fellowships. Additionally, faculty was recognized as Fulbright Specialist, AIA Design Award of Merit, invited speakers, and session chairs of conferences.

A full report of the accomplishments of CoA faculty and a list of expertise is attached.

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**Saif Haq**, PhD, Associate Professor  
Associate Dean for Research  
College of Architecture

College of Architecture  
2010-2011 Academic year.

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## Accomplishments in Research, Scholarship and Creative Activities

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### PUBLICATIONS

#### Journal Articles

1. **Al Ajlouni, R.**, "A Long-Range Hierarchical Clustering Model for Constructing Perfect Quasi-Crystalline Formations", *Philosophical Magazine: Structure and Properties of Condensed Matter*, January 2011.

#### Papers Published in Conference Proceedings

1. **Al Ajlouni, R.**, "Biomimcry Studio: Nature-Inspired Sustainable Design Thinking", in *Beginning of/In the End; Proceedings of The National Conference on beginning Design Student. NCBDS27*, 2011: University of Nebraska-Lincoln. April 1, 2011.
2. **Al Ajlouni, R.**, "A Long Range Order for Growing Perfect Quasi-Crystalline Formations", in *Proceedings of the 11th International Conference on Quasicrystals and Geometry (ICQ11)*. Sapporo, Japan, June 13-18, 2010. Expected publication date: August 2011.
3. **Park, K.**, "One hundred thousand Lines", in *Drawing Out 2010: Transdisciplinary International Conference on Drawing*, Melbourne, Australia: Royal Melbourne Institute of Technology University (in collaboration with University of the Arts London), April 7-9, 2010
4. **Shacklette, B.**, "Syncretistic Vernacular Architecture, Santa Fe, New Mexico", in the proceedings of *Considering Research: Reflecting upon current themes in Architectural Research*, College of Architecture and Design, Lawrence Technological University Detroit, Michigan, April 20-23, 2011

#### Abstracts Published

1. **Al Ajlouni, R.**, "Raster to Vector: A Digital Tool for Geometric Pattern Recognition and Generation", *ACADIA 2011, Integration through Computation*, Calgary/Banff, October 2011.
2. **Al Ajlouni, R.**, and Justa, P., "Reconstruction of Eroded and Visually Complicated Archaeological Geometric Patterns: Minaret Choli, Iraq" *The XXIIIth International CIPA Conference*, Prague, Czech Republic, September 12 - 16, 2011.
3. **Al Ajlouni, R.**, "Post war protection of Cultural Heritage: Establishing a Historic Preservation Training Program in Iraq". *Conference: The 7th International Conference on Science and Technology in Archaeology and Conservation*. Petra, Jordan, December 7 to 12, 2010.
4. **Aranha, J.**, "Hidmo – Stone Houses of the Tigray, Ethiopia", *Traditional Dwellings and Settlements Review*, Vol. XXII, Fall 2010, p. 57.

5. **Jaddo, L.**, “Kirkuk Citadel in Iraq; What was its past, where is its future”, in the proceedings of *EDRA 42nd Annual Conference*, May 25th, 2011, Chicago, IL,
6. **Haq, S.**, “Where do people walk in hospitals and why should architects care?”, in *Make No Little Plans*, EDRA 42nd Annual Conference, May 25th, 2011, Chicago, IL,
7. **Shacklette, B.**, “Contested Cultural Terrains: A Study of Process, Form, and Meaning in Santa Fe Vernacular Architecture”, *6th International Conference on Interdisciplinary Social Sciences*, The University of New Orleans, USA July 11-13, 2011

### Book Reviews Published

1. **Aranha, J.**, “Art of Building in Yemen”, by F. Varanda, Lisbon, Argumentum in association with Front Publications, 2009, 2nd ed., to be published in *Traditional Dwellings and Settlements Review*, Berkeley, CA., Spring 2011
2. **Ellis, C.**, “Material Culture in Anglo-America: Regional Identity and Urbanity in the Tidewater, Low country, and Caribbean” by David S. Shields,. Columbia: University of South Carolina Press, 2009. In *Buildings and Landscapes: The Journal of the Vernacular Architecture Forum*. Vol. 18, #1, Spring 2011.

### Invited Publications

1. **Neiman, B.**, “Poetics of the Fantastic”, in Kevin A. Cespedes (ed.) *The Fantastic and the Constructible*. form•z Joint Study Journal 17, AutoDesSys, Inc. Columbus, OH. pp. 32-39. 2010 (Work by 7 students presented)

### Others

1. **Aranha, J.**, “Hidmo – Stone Houses of the Tigray, Ethiopia”, 2010 Working Paper Series, Utopias of Domesticity, Vol. 226. 2010, Berkeley, CA.
2. **Pongratz, C.**, “Foster & Partners with Mankato Kasota Stone wins 2010 Marmomacc Grande Pinnacle Award”, in “*Marmomacc Architecture & Design*”, Online Newsletter, July 2011.

## PRESENTATIONS AND EXHIBITIONS

### Conference and Symposium Presentations

1. **Al Ajlouni, R.**, “Biomimcry Studio: Nature-Inspired Sustainable Design Thinking”, in *Beginning of/In the End*, The National Conference on beginning Design Student. NCBDS27, 2011, University of Nebraska-Lincoln. April 1, 2011
2. **Ajlouni, R.**, “Computer Programming: A tool for Research” in *CoA Symposium, Tools and Methods*, College of Architecture, Texas Tech University, February 2011

3. **Al Ajlouni, R.**, “Establishing the Historic Preservation Program in Iraq: Design, Philosophy and Content”, in *The Iraqi institute in 2011 and beyond, opportunities for collaboration*, The Iraqi Institute for the Conservation of Antiquities and Heritage in Erbil, Kurdistan Region, Iraq. Dec 13, 2010.
4. **Al Ajlouni, R.**, “Post war protection of Cultural Heritage: Establishing a Historic Preservation Training Program in Iraq”, in *The 7th International Conference on Science and Technology in Archaeology and Conservation*. Petra, Jordan, December 7 to 12, 2010.
5. **Aranha, J.**, “Hidmo: Stone Houses of the Tigray, Ethiopia, in The Utopia of Tradition”, *Twelfth Conference of the International Association for the Study of Traditional Environments*, December 15-18, 2010, American University of Beirut (AUB), Beirut, Lebanon
6. **Driskill, D.**, “Content Analysis”, in *CoA Symposium, Tools and Methods*, College of Architecture, Texas Tech University, February 2011
7. **Ellis, C.**, “Three Theoretical Concepts for the Study of Architectural History”, in *CoA Symposium, Tools and Methods*, College of Architecture, Texas Tech University, February 2011
8. **Flueckiger, U.P.**, “Adaptability in Research and Teaching”, in *CoA Symposium, Tools and Methods*, College of Architecture, Texas Tech University, February 2011
9. **Flueckiger, U.P.**, “Sustainably and West Texas”, in 2011 Comparative Literature Symposium, *Where have all the wild things gone?*, TTU., Friday April 15th 2011
10. **Haq, S.**, “Where do people walk in hospitals and why should architects care?”, in *Make No Little Plans*, EDRA 42nd Annual Conference, May 25th, 2011, Chicago, IL,
11. **Hill, G.**, “Visualizing the Hypothesis” in *CoA Symposium, Tools and Methods*, College of Architecture, Texas Tech University, February 2011
12. **Jaddo, L.**, “Kirkuk Citadel in Iraq; What was its past, where is its future”, *EDRA 42nd Annual Conference*, May 25th, 2011, Chicago, IL,
13. **Jaddo, L.**, “Kirkuk Citadel in Iraq, Destruction and Regeneration”, *41st Conference of the Urban Affairs Association*, March 17, 2011, New Orleans, LO.
14. **Louden, E.**, “Ranches on the Texas Llano Estacado: Building Construction Traditions”, Peer reviewed, *APTI Annual Conference*, Denver, CO. October 6, 2010
15. **Louden, E.**, “In the Field, In the Library, In the Lab: Involving Students with Historic Preservation Research”, in *CoA Symposium, Tools and Methods*, College of Architecture, Texas Tech University, February 2011
16. **Nesbit, J.**, “Self-Generating Territories: The Canyon Lakes along the West Texas Yellow House Draw” in *The Constructed Environment*, Chicago, 29-30<sup>th</sup> Oct, 2011
17. **Nason, J.**, “Awkward Mapping”, in *Mediated Cities Symposium*, School of Architecture at the University of Manitoba in Winnipeg
18. **Nason, J.**, “Mapping as an Active Thinking Tool”, in *CoA Symposium, Tools and Methods*, College of Architecture, Texas Tech University, February 2011
19. **Pongratz, C.**, “Parametricism-Retooling the discipline”, *CoA Symposium, Tools and Methods*, College of Architecture, Texas Tech University, February 2011
20. **Shacklette, B.**, “Syncretistic Vernacular Architecture, Santa Fe, New Mexico”, in ARCC annual conference, *Considering Research: Reflecting upon current themes in Architectural Research*, College of Architecture and Design, Lawrence Technological University Detroit, Michigan, April 20-23, 2011

21. **Shacklette, B.**, "Contested Cultural Terrains: A Study of Process, Form, and Meaning in Santa Fe Vernacular Architecture", *6th International Conference on Interdisciplinary Social Sciences*, The University of New Orleans, USA July 11-13, 2011
22. **Taylor, C.**, "Embodied Ecology." *College Art Association*, Annual Conference, New York, NY (11 Feb 2011).
23. **Watkins, J.**, "Inspired Ceramic Surfaces", *Potters Council Conference*, Temple, Texas, May 20th - 23rd 2011
24. **Zugay, B.**, "New Directions for Texas Religious Architecture" in a solo conference session, *Annual Preservation Conference of the Texas Historical Commission* in Austin, Texas, 4/1/2011
25. **Zugay, B.**, "The Academic Collector and the Academic Collection: Reflections on a Twenty first-century Professor's Kunstkammern", in *The 2011 Joint Conference of the National Popular Culture & American Culture Association and the Southwest/Texas Popular Culture & American Culture Association*, April 20 April 23, 2011, San Antonio
  
26. **Luo, C.**, "Perceiving spatial justice through the eyes of ants" in *41st Urban Affair Association Conference*, New Orleans, March 16 to 19, 2011
27. **Luo, C.**, "Ants, fight for spatial justice!", in *42nd annual EDRA Conference*, Chicago, May 25 to 28, 2011
28. **Luo, C.**, "Potential Threats to Spatial Justice Caused by Different Land-Use Regulations: A Comparison of America and China and the Spatial Justice Outcomes in Urban Areas in Both Societies", in *Spaces and Flows: An International Conference on Urban and Extra Urban Studies*, the Monash University Prato Centre, Prato, Italy, November 17 to 18, 2011.
  
29. **Whitehead, S.**, "Using a Scenario Approach to Project the Potential Effects of Groundwater Decline on the Landscape of the Southern High Plains of Texas", *Texas Geography Student Research Symposium*, 01 April 2011, San Marcos, TX.
30. **Whitehead, S.**, "Using a Scenario Approach to Project the Potential Effects of Groundwater Decline on the Landscape of the Southern High Plains of Texas", *Association of American Geographers Annual Meeting*, 12-16 April 2011, Seattle, WA.

### Conference Posters

1. **Linn, C., Haq, S., Hill G.**, (Decker, S., and DeLucia, P) "Automated Dispensing Cabinets: Usability Study Using Virtual Reality Simulation", with Pat Delucia and Sharon Decker, in *Make No Little Plans*, EDRA 42nd Annual Conference, May 25th, 2011, Chicago, IL
2. **Driskill, D. and Nelson,** "Sustainable Industrial Development", in *Texas Tech University Undergraduate Research Conference*, Lubbock, TX, April 2011.

### Other Presentations

1. **Al Ajlouni, R.**, "The Historic Preservation Program in Iraq: Design, Philosophy and Content", *The Columbia University Middle East Research Center*, Amman, Jordan, October 08, 2010.

2. **Al Ajlouni, R.**, "New Trends in Architectural Education", *Department of Architecture*, College of Engineering, Salah Aldin University, Erbil, Iraq, August, 30, 2010.
3. **Haq, S.**, "HealthCare Facilities Design" in *Architecture + Health Educators Summit*, AIA Academy of Architecture for Health/ACHA Summer Leadership Conference, Chicago, July 28-30, 2011, Chicago, IL.
4. **Louden, E.**, "Rehabilitation of Historic Buildings", invited presentation of teaching modules at *Iraqi Institute for Conservation of Cultural Heritage*, Erbil, Kurdistan, Iraq. November 21-25, 2010.
5. **McReynolds, V.**, "Rooftop, Treetop, Parkinglot", Guest lecture, *Architecture Department, California Polytechnic State University*, San Luis Obispo, CA
6. **Neiman, B.**, "Bebop Constructions", *School of Architecture and Planning, Catholic University*, Washington, DC (February 9, 2011).
7. **Park, K.**, "Mainstreaming Earth-Based Building Envelopes in Developed Countries: The Impact of Large-Scale Compressed Earth Blocks", *The ATLAS: Transdisciplinary-Transnational-Transcultural, Bi-Annual Meeting*, Georgetown TX, May 2010
8. **Pongratz, C.**, "Design Exploration and Technological Innovation", *AIA continuing education program*, session WE08T, SURFACES/STONEXPO, Las Vegas, January 2011
9. **Pongratz, C.**, "Marmomacc meets Design 2007 -2010", *Marmomacc academy*, educational program of Veronafiere, SURFACES/STONEXPO, Las Vegas, January 2011
10. **Pongratz, C.**, "The Consortium of the Chiampo Valley", "*Il Consorzio dei Marmisti della Valle del Chiampo*", *Marmomacc academy*, educational program of Veronafiere, SURFACES/STONEXPO, Las Vegas, January 2011
11. **Pongratz, C.**, "Pinnacle Awards and Grande Pinnacle Award 2010", presentation to the awarded projects in 2010, *Marmomacc academy*, educational program of Veronafiere, SURFACES/STONEXPO, Las Vegas, January 2011
12. **Pongratz, C.**, "Design Research in Architecture - Materials", presentation to *the Applied Laser and Robotic Technology in Pinnacle Projects*, *Marmomacc Academy*, educational program of Veronafiere, SURFACES/STONEXPO, Las Vegas, January 2011
13. **Pongratz, C.**, "Cyberstone", lecture, *Forum del Marmo*, 45th Marmomacc, Verona, Italy September 2010
14. **Pongratz, C.**, "La casa passiva, La certificazione LEED, Stato dell'arte negli USA", *Eco-Sustainability Conference*, S.G.L., Assessorato all'Urbanistica del Comune di San Giovanni Lupatoto, Verona, Italy, June 2010
15. **Taylor, C.**, "Landscape as Knowledge." *Where have all the Wild Things Gone? Ecocriticism and comparative literature*, 2011 Comparative Literature Symposium, Lubbock, TX (15 Apr 2011).
16. **Taylor, C.**, "Mining the Embodied Knowledge of Land Arts of the American West." Guest lecture, *Master of Fine Arts in Design, University of Texas at Austin*, El Cosmico, Marfa, Texas (21 January 2011).
17. **Taylor, C.**, "Mining the Embodied Knowledge of Land Arts of the American West." *Galleria AFA*, Santiago de Chile (11 December 2010).
18. **Taylor, C.**, "Exploring the Horizon with Land Arts of the American West." Guest lecture, *San Diego State University*, San Diego, California (18 Nov 2010).
19. **Watkins, J.**, "Alternative Kilns & Firing Techniques", Lecture and Workshop, *Hill Country Arts Foundation*, Ingram, Texas, Sept 16th - 18th 2010.

## Exhibitions

1. **Aranha, J.**, "Ethiopia: North to South - Indigenous Peoples and their Traditional Built Environments", Photo exhibit in *American University of Beirut (AUB)*, Beirut, Lebanon
2. **Davis, J.**, "Three white Doves", (painting) accepted into the *36th annual Western Federation Juried Watercolor Exhibition*, Albuquerque May 6th through June 5<sup>th</sup>, 2011
3. **Davis, J.**, Two paintings accepted and exhibited, *Seaside International Miniature*, Seaside Art Gallery of the Outer Banks, Nags Head, NC, Juror: Nar Steel, (international juried show) May 2011.
4. **Davis, J.**, One painting accepted for competition and one painting on consignment in gallery, *International d'art miniature, 6<sup>th</sup> annual international juried art exhibition*, Presbytere Saint-Nicolas Centre De Diffusion des Arts et Du Patrimoine & Gallerie Louise-Carrier Saint-Nicolas Quebec, Canada. June-September, 2011
5. **Davis, J.**, *West Texas Watercolor Society Spring Show* (regional juried art exhibition), Baker Building, Lubbock, Texas. Juror: Oliver, McCray, Ph.D., May, 2011
6. **Jaddo, L.**, one work exhibited, "Celebration", *Buddy Holly Center for the Arts*, Lubbock, TX., October 2010
7. **Jaddo, L.**, 15 works exhibited, *Rendr Gallery*, Lubbock, TX. November 13-14, 2010
8. **Jaddo, L.**, 32 works exhibited, *three women exhibition*, Lubbock, TX. December 2010 - January 2011
9. **Jaddo, L.** 4 works exhibited, *FFAT at Charles Adams Gallery* group exhibition, Lubbock, TX., December 2010 to March 2011.
10. **Jaddo, L.** one work exhibited, *Retrospective 25*, group exhibition, Buddy Holly Center for the Arts, Lubbock, March 2011
11. **Jaddo, L.** one work exhibited, *100 years of Women Rockin the world*, group exhibition at Art Rage Gallery, Rochester, New York, March 2011
12. **McReynolds, V.**, one work exhibited, *Group Exhibition - 13.3%*. WUHo Gallery. Los Angeles, CA, Collage drawings of Detroit cityscape and others
13. **Pongratz, C.**, "Hyperwave Collection", *45th Marmomacc*, Verona, Sept, 2010
14. **Pongratz, C.**, "Hyperwave Collection", *Maison & Objet*, Paris, Jan 2011
15. **Smith, G.**, "Administrative Buildings and their relationship with the Universidad de Alcalá de Henares" in 26th Annual Faculty Academic Contributions Exhibit, *Seeds of Knowledge*, Texas Tech University Library, Fall 2010.
16. **Watkins, J.** one piece exhibited as a part of Group Exhibition, *100 American Ceramics from the Collection of the San Angelo Museum*, in Art Museum of South Texas, Corpus Christi, Texas, June 11th - September 5th 2010
17. **Taylor, C.**, 'Ground Sourcing', *2011 Texas Biennale* Arthouse (Austin, TX 15 Apr 2011).
18. **Watkins, J.**, Two pieces in *Black Creativity On The Plains, A Traveling Exhibition*, sponsored by the American State Bank and the Historical Art Council, Garden and Arts Center, Lubbock, Texas., February 4th - March 4<sup>th</sup> 2011. (The exhibition will travel to other unknown venues).
19. **Watkins, J.**, 20 pieces, exhibited in *Potters Council Conference*, Temple, Texas, May 20th - August 5th 2011

## PROFESSIONAL WORK

1. **Louden E.**, (with Karen Hughes and Jennifer Ross), "1926 Dr. James L. Dickey House, Taylor, Texas", *Historic Structures Report for the Blackshear and O.L. Price Alumni Association*
2. **Louden E.**, (with Karen Hughes), "1935 Blair Barn, Plainview, Texas", *Historic Structures Report for Dr. Billie Blair*
3. **Louden E.**, (with Karen Hughes), "Our Lady of Lourdes, Victoria, TX", Measured Documentation and Alter 3D Modeling for *Professio, Inc.*
4. **Louden E.**, (with Tina Teel and Karen Hughes), "Virtual Tour of the 1877 Buffalo Soldiers Expedition and Trail", Website, Google Earth Virtual Tour, Geo-Caching Virtual Tour, Brochure Design for *Cochran, Hockley, Terry, Lamb and Lubbock County Historical Commissions*, Funded by Texas Historical Commission, Texas Plains Trails Region
5. **Louden E.**, (with Gordon Shepperd, PE and Karen Hughes), "1900 Annie Riggs Museum, Fort Stockton, TX", Restoration Plan for Central Courtyard of the *Annie Riggs Museum*.
6. **Peters, M.**, "Roberts County Courthouse Restoration", Miami, Texas. Completed in summer 2011, 3 floors, 14,000 sq. ft., originally built in 1912. It is a registered historic landmark. (Cost - \$4.5 million.)

## ONGOING FUNDED RESEARCH

1. **Flueckiger, U.P** "Prefabricated dwelling: a laboratory for the study of sustainable architecture and technology in West Texas". Amount awarded in 2008: \$20,000.00, by *Pease River Foundation*.
2. **Driskill, D.**, "Conceptualization and visualization of Avenue J as a sustainable, linear park in downtown Lubbock as a catalyst for downtown redevelopment". Awarded \$82,500 by a *group of downtown stakeholders*
3. **Driskill, D.**, "Conceptualization, visualization and construction of sustainable facilities for the community of Guayalbes, Guatemala". Awarded \$ 22,000 by *Dr. Scott Robertson*
4. **Driskill, D.**, "Services available for homeless persons", Awarded \$1,500 by *Louise H. Underwood Foundation*
5. **Park, K.**, (and College of Engineering, TTU) "Large-scale Compressed Earth Block (CEB) Building Envelopes", Amount awarded in 2009 \$2,723,261, by *Advanced Research Projects Agency – Energy (ARPA-E), U.S. Department of Energy*.

## PROPOSALS SUBMITTED

### Research and Fellowship Proposals

1. **Al Ajlouni, R.**, "A Global Hierarchical Cluster Model for Constructing Non-Periodic Patterns in Islamic Architecture", *The Aga Khan postdoctoral fellowship for research in Islamic Architecture*, MIT, Cambridge 2011-2012



2. **Driskill, D. and Watkins, J.** “West Texas Xeriscape Wall” to *National Fish and Wildlife Foundation*, amount \$5033.00
3. **Haq, S.**, “Synchronized Site Visits for Profession-Enriched Health-care Facilities Studio”, with Ron Gover, Norman Morgan, David Vincent and Brent Sparks of HKS Inc. Dallas, *NCARB Grant for the Integration of Practice and Education in the Academy*, Oct 2010, amount \$7003.13
4. **Haq, S.**, “Spatial Cognition and Architecture”, John Simon Guggenheim Memorial Foundation Fellowship Application, 2010
5. **McReynolds, V.**, “Between Physical and Metaphysical”, *US student Fulbright Research/study Grant*
6. **Pongratz, C.**, “Parametric studio and installation”, *CH Foundation*, amount:\$ 41,000;
7. **Pongratz, C.**, “Parametric Installation and exhibition”, *CH Foundation*, amount:\$ 58,745
8. **Pongratz, C.**, “Digital Design and Fabrication book”, *CH Foundation*, amount:\$ 28,745
9. **Pongratz, C., & Perbellini, M.**, “The Architectural geometry of surfaces”, with Dr. Jerry Dwyer, Dr. Jeffrey Lee, and Dr. Magdalena Toda, all from Mathematics & Statistics, STEM Proposal, *National Science Foundation*, amount: \$199,820.00
10. **Pongratz, C.**, “Crafting parametric surfaces”, *Guggenheim Memorial Foundation Fellowship*
11. **Shacklette, B.**, “A Comprehensive Database of Archival Materials Relating to the Planning, Design, and Construction of Architecture at Texas Tech University”, *CH Foundation*, amount \$ 20,000.
12. **Smith, G.**, “MS Fellowships”, submitted to *Helen Jones Foundation*, \$30,000, preliminary proposal accepted.
13. **Smith, G.**, “Graduate Fellowships”, *Helen Devitt Jones Foundation*, \$30,000 (**AWARDED**)
14. **Vernooy, A., (and Patton, V.)**, TTU and El Paso Community College HSI-STEM Grant, *Science, Technology, Engineering and Mathematics (STEM) Education Grants Program*

### Conference Paper Proposals

1. **Al Ajlouni, R.**, “Raster to Vector: A Digital Tool for Geometric Pattern Recognition and Generation”, *Integration through Computation*, ACADIA 2011, Calgary/Banff, October 2011.
2. **Al Ajlouni, R., and Justa, P.**, “Reconstruction of Eroded and Visually Complicated Archaeological Geometric Patterns: Minaret Choli, Iraq”, in *The XXIIIth International CIPA Conference*, Prague, Czech Republic, September 12 - 16, 2011.
3. **Bennett, N.**, “Bebop Performances”, in *Architecture in Music Symposium*, University of Texas, TX
4. **Flueckiger, U.P. and Shacklette, B.**, “28 Dollars and 12 ½ Cents” in ARCC annual conference, *Considering Research: Reflecting upon current themes in Architectural Research*, College of Architecture and Design, Lawrence Technological University Detroit, Michigan, April 20-23, 2011
5. **Flueckiger, U.P. and Shacklette, B.**, “28 Dollars and 12 ½ Cents” in *Local Identities: Global Challenges*, ACSA Fall Conference, Oct 6-8, Houston, TX
6. **Haq, S.**, “Research Derived ‘Evidence’ and Designing Architecture: Exploring Designer’s Cognition” in *International seminar in Architectural Education and Practice*, 2012, Department of Architecture, Bangladesh University of Engineering and Technology, Feb 2 to 4, 2012
7. **Haq, S.**, “Architectural Implications of Spatial Cognition Research” in symposium on *Spatial Cognition for Architectural Design*, German Research Foundation North America, Nov 16-19, 2011, New York

8. **Park, K.**, “Reading and Writing Rothko in a Coded Logic,” *Bridges 2011: Art and Mathematics*, University of Coimbra, Portugal, July 2011
9. **Park, K.**, “Mainstreaming Non-Stabilized Earth-Based Building Construction Method”, *TerrAsia 2011: 2011 International Conference on Earthen Architecture in Asia*, Mokop, Republic of Korea, October 2011
10. **McReynolds, V.**, “City Solitaire: Detroit and the Nameless Landscape” in 99<sup>th</sup> ACSA Annual Meeting, Mar 3-6, 2011

## RESEARCH RELATED SERVICE

### Peer Reviewer / Jury Member

1. **Haq S.**, 17 abstracts reviewed, *Make no little Plans*, Environmental Design Research Association (EDRA) 42st annual conference, May-Jun 2011
2. **Haq S.**, 22 abstracts and 4 full papers reviewed, in *Considering Research*, Architectural Research Centers Consortium (ARCC) Annual conference, Apr, 2011
3. **Haq, S.**, 2 papers for *Journal of Environmental Psychology*, Elsevier Publications
4. **Haq, S.**, 1 paper for *Computers, Environment and Urban Systems*, Elsevier Publications
5. **Haq, S.**, 16 abstracts in “Local Identities: Global Challenges”, *ACSA Fall Conference*, Houston, Oct 6-8, 2011
6. **Haq, S.**, 19 abstracts in “International Seminar on Architecture: Education, Practice and Research”, *Bangladesh University of Engineering and Technology*, Dhaka, Bangladesh, 2-4 February, 2012.
7. **Jaddo, L.**, 2 abstracts reviewed, *EDRA 42nd Annual Conference*, May 25th, 2011, Chicago, IL
8. **Pongratz, C.**, Jury Member, “Pinnacle Awards/ Grande Pinnacle Award”, *Marble Institute of America* (MIA), Minneapolis, September 2010

### Symposium/Intensives Organized, Exhibition Curated

1. **Haq S.**, “Design Implications of Spatial Cognition Research”, with Sue Torgrude, full day intensive, in *Make No Little Plans*, EDRA 42nd Annual Conference, May 25th, 2011, Chicago, IL. Thirteen participants from eleven universities in five countries participated.
2. **Haq S.**, “Tools and Methods in Architectural Scholarship and Research”, *College of Architecture Symposium*, Feb 26, 2011, 8 faculty participated
3. **Taylor, C.**, “Land Arts 2010 Exhibition” *Louise Hopkins Underwood Center for the Arts*, LHUCA, Mac Davis Lane (Lubbock, TX, 1 Apr – 6 May 2011).
4. **Pongratz, C.**, “Building envelopes-surface geometry”, *Acadia 2011 Conference*, University of Nebraska, Lincoln, March 2011

## HONORS, AWARDS AND RECOGNITIONS

1. **Aranha, J.**, “Fulbright Specialist”, in Urban Planning at Karpagam University, India, Summer 2011
2. **Aranha, J.**, contributions to Karpagam University, India was featured in "The Hindu" July 11, 2011
3. **Aranha, J.**, “Session Chair”, *Identity and the Politics of Utopia, in The Utopia of Tradition*, Twelfth Conference of the International Association for the Study of Traditional Environments, December 15-18, 2010, American University of Beirut (AUB), Beirut, Lebanon
4. **Bennett, N.**, “Cover photo”, ACSA NEWS January 2011
5. **Pongratz, C.**, “Outstanding Researcher”, *College of Architecture*, Spring 2011
6. **Flueckiger, U.P., Shacklette, B., and Martin, M.**, “Prefabricated Dwelling: A Laboratory for the Study of Sustainable Architecture and Technology in West Texas”, *AIA Lubbock Design Award of Merit*, February 2011.
7. **Flueckiger, U.P.**, “Integrated Scholar” by Provost, TTU
8. **Haq, S.**, “Session Moderator”, Manipulating Civil Engineering’s for Environmental Health”, in EDRA 42<sup>nd</sup> Annual Conference, May 27, 2011, Chicago, IL.
9. **Watkins, J.**, “Profile Article” written by Jerod Foster *Lubbock Magazine*, Issue, pp 26 – 31. January/February 2011
10. **Zugay, B.**, “Session Chair”, Collecting and Collectibles (Moist): Individual Collectors: Processes and Motivation, in The 2011 Joint Conference of the National Popular Culture & American Culture Association and the Southwest/Texas Popular Culture & American Culture Association, April 20 April 23, 2011, San Antonio

## FACULTY EXPERTISE

### College of Architecture, Texas Tech University

<b>Ajlouni, Rima</b>	Historic Preservation	Photogrammetry	Digital methods and Computation	Islamic art and architecture	Patterns and geometry
<b>Aranha, Joseph</b>	Vernacular architecture	Non-western architecture	Climate responsive architecture	Meaning and symbolism in architecture	
<b>Buelinckx, Hendrika</b>	Formal design theory and methods	Visual spatial literacy	Shape algebra's and grammars	Women in architecture	Architectural theory
<b>Davis, Jimmy</b>	Architectural Rendering/delineation/illustration	Watercolor	Art	Exhibition	Photography
<b>Driskill, David</b>	Urban Design	Sustainability	Programming	Architecture for High School Students	Community Design
<b>Ellis, Clifton</b>	Cultural Landscapes	Antebellum South	Slavery	Domesticity	Renaissance & Enlightenment
<b>Flueckiger, Urs Peter</b>	Architectural Design	Sustainable Design	Design Build	Architectural Drawing	
<b>Gomez, Javier</b>	Architectural Design	New Architecture in Historical Buildings or Sites	XVI-XVIII Spanish Colonial Architecture		
<b>Haq, Saif</b>	Spatial Cognition	Space Syntax	Architectural Theory	Non Western Architecture	Health Care Facilities
<b>Hill, Glenn</b>	Energy + Design	Visualization	General Systems Theory	Computer Simulation of Buildings	Integrated Architecture
<b>Jaddo, Lahib</b>	Artsy Architecture	Sustainability	Community design		
<b>Louden, Elizabeth</b>	Historic Preservation	Architectural Documentation	3-D Laser Scanning	Historic Building Materials	Cultural Sites and Building Assessment
<b>Markovich, Nicholas (El Paso)</b>	Native and Hispanic Architecture of the Americas	American Architecture	20th Century and Contemporary Architecture and Theory	ADA and Disability Design Space Planning and Programming.	Creative Thinking and Visualization Spatial Psychology
<b>Martin, Michael</b>	Furniture	Sustainability	Affordable Housing		
<b>McReynolds, Victoria</b>	Installations	Terrain vague	Memory space	Design pedagogy	Steps and stairs
<b>Nason, Joshua</b>	Construction	Making	Discourse	Drawing	Mapping
<b>Neiman, Bennett</b>	design	process	Improvisation	imagination	creativity
<b>Nesbit, Jeff</b>	design	Fields	Urbanism	Decay	Theory

<b>Park, Kuhn</b>	Computational Design	Building Information Modeling	Information Envisioning	Digital Media Arts	Physical Computing
<b>Perbellini, Maria</b>	Design process	Design strategies for digital constructs	Parametric surface structures	Digital craft and fabrication	Material systems innovation
<b>Perl, Robert</b>	Architecture	Design Methods	Sustainability	Design Thinking	Visualization
<b>Peters, Michael</b>	Urban design	Professional practice	Graphic communication	Lighting	
<b>Pongratz, Christian</b>	Computation	Digital Craft	Fabrication	mass customization	material science
<b>Shacklette, Ben</b>	Architectural design	Participatory processes in community design	American southwest vernacular	Service learning in the studio	Design build
<b>Smith, Gary</b>	Historic Preservation	Historic Structures Reports	Documentation	Adaptive Use	Ethics
<b>Taylor, Chris</b>	Embodied fieldwork	Land art / earthworks	Interdisciplinary practice	Design-build	Design pedagogy
<b>Torres, MaryAlice-F (Houston)</b>	Community Design	Urban Design	Downtown Revitalization	Historic Preservation	Architecture
<b>Vernooy, Andrew</b>	Urban design	Construction Technology	Design theory	Late 20th cent Arch	Adv Struct Systems
<b>Watkins, James</b>	Free Hand Drawing	Water Color	Architectural Ceramics	Ceramic Art	
<b>White, Dustin</b>	Digital Fabrications	Mass Customization	Digital Processes and Computation	Design	
<b>White, Jim</b>	Housing	Accessibility	Site design	Materials and methods	
<b>White, John</b>	Historic Preservation	Architecture	Adaptive Use		
<b>Zugay, Brian</b>	Churches	Religious Architecture	American Architecture		