A R D C Report
College of Architecture
2011-2012 Academic year.
(from Sept 01 2011 to Aug 31, 2012)

Accomplishments in Research, Scholarship and Creative Activities

PUBLICATIONS

Journal Articles

- **Al Ajlouni, R.** "The Global Long-Range Order of Quasi-Periodic Patterns in Islamic Architecture". *Acta Crystallographica A: Foundations of Crystallography*. (March 2012). Vol. 68, Part II. An advanced-publication version of the paper is now available on the web at: http://journals.iucr.org/a/issues/2012/02/00/issconts.html.
- **Al Ajlouni, R. and Justa, P**. "Reconstruction of Eroded and Visually Complicated Archaeological Geometric Patterns: Minaret Choli, Iraq". *The Journal of Geoinformatics FCE CTU*. Paper accepted August 02, 2011, ISSN 1802-2669.
- **Haq, Saif, & Luo, Yang**. "Space Syntax in Health-Care Facilities Research: A Review". *Health Environments Research & Design Journal,* 5(4)*, (*accepted after peer-review on 21 Nov 2011)
- **Haq, Saif**. 'The Predictive Power of (only) Space Syntax regarding Wayfinding and Cognitive Mapping', in *Environment and Planning B, (*under review).
- **Neiman, Bennett**, 'Bebop Performances', in *CENTER*, University of Texas at Austin (ongoing)
- **Shacklette, Ben, '**Syncretistic Vernacular Architecture Santa Fe, New Mexico', in *The International Journal of Interdisciplinary Social Sciences*, (under review)

Papers Published in Conference Proceedings

- **Al Ajlouni, R., and Justa, P.** "Reconstruction of Eroded and Visually Complicated Archaeological Geometric Patterns: Minaret Choli, Iraq" Proceedings of *The XXIIIth International CIPA Conference*, Czech Republic, Sept. 2011.
- **Gómez, Javier, Park, Kuhn,** *Reading and Re-writing an Image, Proceedings of the* Second International Conference on the Image, San Sebastian, Spain, Fall 2011.
- **Haq, Saif.** Measuring the 'Plan': Possibilities of Space Syntax in Health-Care Environments Research 43rd EDRA Annual Conference 'Emergent Placemaking'. Seattle, May 30-June 2, 2012.
- **Shacklette, Ben**, '*The Economic, Ecological, and Social Benefits of New Mexico Owner - Builder Traditions: A 300 Year Old American Case Study in Regional Sustainable Community'*, in the proceedings of the 10th Annual Conference Hawaii International Conference on Arts and Humanities, <date>
- **Shacklette, Ben** and **Flueckiger, Urs Peter**, '28 Dollars and 12 ½ Cents', in *Local Identities/Global Changes*, Proceedings of the ACSA Fall Conference 2011 in Houston, Texas <dates>
- **Shacklette, Ben** and **Flueckiger, Urs Peter**, 'A Sustainable Cabin: A Prefabricated Design Build Project', in the proceedings of the 10th Annual Conference Hawaii International Conference on Arts and Humanities, <date>

Abstracts Published

- **Al Ajlouni, R.** "Sustaining the Curious Mind: Integrating Research into Beginning Design Education". The National Conference on the Beginning Design Student (NCBDS) 2012**,** the *End of/in the Beginning: Realizing the Sustainable Imagination.* Penn State University, March 29, 2012.

- **Shacklette, Ben** and **Flueckiger, Urs Peter**, 'A Prefabricated "Sustainable Cabin" in Rural Texas: A Design Build Challenge for Architecture Students', in *International Organization of Social Sciences and Behavioral Research*, Winter Conference 2011 Las Vegas, Nevada
- **Shacklette, Ben**, 'Folkloric Influences and Owner-Builder Traditions in Northern New Mexico Architecture', in *International Organization of Social Sciences and Behavioral Research*, Winter Conference 2011 Las Vegas, Nevada
- **Shacklette, Ben**, 'Influential Women Architects and Artists in Early 20th Century New Mexico and the American Southwest', in *International Organization of Social Sciences and Behavioral Research,* Winter Conference 2011 Las Vegas, Nevada

Invited Publications

- **Haq, Saif**. 'Spatial Cognition Research as Evidence–Base for Architectural Design(ing)' in Christoph Hoelscher (Ed.), *Spatial Cognition in Architectural Design*. New York

PRESENTATIONS AND EXHIBITIONS

Conference and Symposium Presentations

- **Al Ajlouni, R.** "The Newly Established Historic Preservation Program in Iraq: Building Academic and Professional Heritage Preservation Capacity in Iraq". *Historic Preservation Symposium*, Texas Tech University, Sept. 30, 2011**.**
- **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, Sept. 12 - 16, 2011.
- **Gómez Javier**, *Architecture in Colonial Mexico 16th to 18th centuries,* Historic Preservation Symposium, Texas Tech University, Sept. 30, 2011
- **Haq, Saif,** "Spatial Cognition Research as Evidence–Base for Architectural Design(ing)", in *Spatial Cognition for Architectural Design*, A symposium of researchers, educators, and industry practitioners, organized by Spatial Cognition Research Center (SFB/TR 8; Universities of Bremen and Freiburg, Germany), Spatial Intelligence and Learning Center (SILC, USA), German Research Foundation (DFG) and the US National Science Foundation (NSF). New York, Nov 17th Nov 2011
- **Haq, Saif,** 'Measuring the 'Plan': Possibilities of Space Syntax in Health-Care Environments Research' accepted for presentation in *Emergent Placemaking,* 43rd EDRA annual conference, Seattle May 30-June 2, 2012
- **Nason, Joshua**, "Mapping + Change: The Awkwardness of Evolution", <title of conference>, 2011 ACSA Regional Conference, Houston, Texas, <date>
- **Neiman, Bennett** , "Bebop Performances", in *2011 Music in Architecture-Architecture in Music Symposium*, University of Texas at Austin, October 21, 2011.
- **Nesbit, Jeff, '**Self-Generating Territories' in *Constructed Environments Conference*, October 29-30, 2011, Chicago, IL.
- **Nesbit, Jeff, '**The Canyon Lakes Along the West Texas Yellow House Draw' in ACSA ??? conference, Local Identities Global Challenges, Houston, TX
- **Shacklette, Ben** and **Flueckiger, Urs Peter**, 'A Prefabricated "Sustainable Cabin" in Rural Texas: A Design Build Challenge for Architecture Students', in *International Organization of Social Sciences and Behavioral Research*, Winter Conference 2011 Las Vegas, Nevada
- **Shacklette, Ben**, 'Folkloric Influences and Owner-Builder Traditions in Northern New Mexico Architecture', in *International Organization of Social Sciences and Behavioral Research*, Winter Conference 2011 Las Vegas, Nevada
- **Shacklette, Ben**, 'Influential Women Architects and Artists in Early 20th Century New Mexico and the American Southwest', in *International Organization of Social Sciences and Behavioral Research,* Winter Conference 2011 Las Vegas, Nevada

- **Shacklette, Ben** and **Flueckiger, Urs Peter**, '28 Dollars and 12 ½ Cents', in *Local Identities/Global Changes*, 2011 ACSA Fall Conference in Houston, Texas

Conference Posters

- **Gómez Javier**, "mi casa es su casa"*, Digital Aptitudes+Other Openings*, 100th ACSA Annual Meeting, Boston, MA. March 1-4, 2012.
- **Gómez Javier**, "[DADA]rchitecture"*, Digital Aptitudes+Other Openings*, 100th ACSA Annual Meeting, Boston, MA. March 1-4, 2012.

Exhibitions

- **Al Ajlouni, R.** and **Louden E.** "The Erbil, Iraq Exhibition", *First Friday exhibition*, Urban Tech, Texas Tech University. (Sept-02-2011)
- **Al Ajlouni, R. and Louden E.**, *Historic Preservation Exhibition*, College of Architecture, Texas Tech University. (October 2011)
- **Davis, J**, 'Post-Meridian', *Pittsburg Watercolor Society's 65th Annual International Exhibition 2011, Aqueous Open*, Juror: William (Skip) Lawrence. <<where?>>Sept-Oct 2011.
- **Davis, J**., "Cat Walk", "Alligators in the Attic" and "Palimpsest", *2012 Western Federation Watercolor Society's National Juried Exhibition*, Las Vegas, Nevada, Apr 2012
- **Javier Gomez, "**Casa de la Bola" and "Gally House"*, Historic Preservation Symposium* Texas Tech University, Sept. 30, 2011.
- **Pongratz, Christian R**.; "Hyperwave Collection", *46th Marmomacc*, Verona, 2011
- **Pongratz, Christian R.**; "Hyperwave Collection", *Maison & Objet*, Paris, 2011

INDEPENDENT PROFESSIONAL WORK

- **Pongratz, C,** *Pinto Residence*, project for 2600 sqft renovation, Residential, Lubbock, completed October 2011
- **Pongratz, C,** *Villa Tripoli*, Façade cladding design, private house, Tripoli, Lybia, completed in December 2011
- **Pongratz, C,** *S. Emilio Masterplan*, 25.000 sq.mt, Urban Design project, transformation of an area in residential, zoning, 3rd phase development presentation to the Municipal Authority in Verona, Italy, December 2011;

ONGOING FUNDED RESEARCH

- **Al Ajlouni, R.,** *"Quasi-Crystalline Geometry: A New Class of Symmetry in Ancient Architecture",* FY12 Internal Competitive Funding Opportunity to Advance Scholarship in the Creative Arts, Humanities and Social Sciences. Texas Tech University. $20,000. Granted: Nov. 03, 2011
- **Davis, J.** *'Expressions of Architectonic Subjects as Fine Art through Watercolor Painting',* FY12 Internal Competitive Funding Opportunity to Advance Scholarship in the Creative Arts, Humanities and Social Sciences. Texas Tech University. $10,000. Granted: Nov. 03, 2011
- **Zugay, Brain,** <<title>> FY12 Internal Competitive Funding Opportunity to Advance Scholarship in the Creative Arts, Humanities and Social Sciences. Texas Tech University. <amount>. Granted: Nov. 03, 2011
- **Pongratz, Christian,** "*Green Curtains in Stone*", FY12 Internal Competitive Funding Opportunity to Advance Scholarship in the Creative Arts, Humanities and Social Sciences. Texas Tech University. $20,000. Granted: Nov. 03, 2011

PROPOSALS SUBMITTED

Research and Fellowship Proposals

- **Driskill, David**, '*Design Charrettes for the Homeless Community*', submitted to the <u>CH</u> Foundation amount $10,000, Dec 2011
- **Gómez Javier,** *Life, Culture and Arts in Colonial Mexico,* [Lecture and Paper], TTU Cross-Cultural Academic Advancement Center, $1,428.64. Dec. 9, 2011
- **Gómez Javier,** *Theory of Architecture during the Digital [r]evolution,* [Book], Internal Competitive Funding Opportunity to Advance Scholarship in the Creative Arts, Humanities and Social Sciences. Texas Tech University, 2012, $18,389.07.
- **Haq, Saif**, '*Is a Complex Building like a Small City*?', FY12 Internal Competitive Funding Opportunity to Advance Scholarship in the Creative Arts, Humanities and Social Sciences. Texas Tech University. $8571.70. Oct, 2011
- **Louden, Elizabeth, '***Preservation Planning for the Art and Architecture of the Robert Bruno Steel House'*, <u>CH</u> Foundation, approved for final submission, amount $15,092, Dec 2011.
- **Perbellinia, Maria**, '*Digital Design and Fabrication Book on Student Work'* submitted to the <u>CH</u> Foundation, amount $11,800, Dec 2011
- **Perbellinia, Maria**, *Digital Craft in Architecture,* FY12 Internal Competitive Funding Opportunity to Advance Scholarship in the Creative Arts, Humanities and Social Sciences. Texas Tech University. $10,000. Oct, 2011
- **Pongratz, Christian**, *"Artistic Architecture Installation in Avenue J'*, submitted to the <u>CH</u> Foundation, amount $11,700. Dec 2011
- **Pongratz, Christian, Driskill, D and Perbellini, M.,** *"The Cloud, Artistic installation in Lubbock Cultural District"*, Ford Foundation and the National Endowment for the Arts, Chicago, IL, requested amount: $ 250,000

Conference Paper Proposals

- **Gómez Javier,** *Architect, celebrity, ego and the insatiable search of fame.* Open Topic, Change, Architecture, Education, Practices, 2012 ACSA International Conference, Barcelona Spain, June 2012 <<is this accepted?>>
- **Gómez Javier,** *[DADA]rchitecture,* 28th National Conference on the Beginning Design Student, "End in/of the Beginning: Realizing the Sustainable Imagination. State College, Pennsylvania." March 29-31, 2012<<is this presented??>>
- **Nason, Joshua**, "Towards a New *Everyday* Architecture," submitted to Atmosphere Symposium 2012, *Experiencing the Everyday* – Winnipeg, Manitoba, Canada <dates>
- **Shacklette, Ben**, "The Economic, Ecological, and Social Benefits of New Mexico Owner - Builder Traditions: A 300 Year Old American Case Study in Regional Sustainable Community" in *10th Annual Conference Hawaii International Conference on Arts and Humanities*, Hawaii,
- **Shacklette, Ben** and **Flueckiger, Urs Peter, "**A Sustainable Cabin: A Prefabricated Design Build Project", in *10th Annual Conference Hawaii International Conference on Arts and Humanities*, Hawaii,

Exhibition / Competition submissions

- **Davis, J**., 'Memory Wall', 'Post Meridian, and 'Sidewalk-Scape', in *California Watercolor Association 42nd National Exhibition*, July 2011,
- **Davis, J** : 'Pets', 'Mexican Dog', in *San Diego Watercolor Society 31st Annual International Exhibition* Sept-Nov 2011
- **Davis, J**., "Round Window Meridian" and "Freebird", in *Pennsylvania Watercolor Society 32nd International Juried Exhibition*, Oct-Nov 2011
- **Nesbit, Jeff,** "2011 Canyon Lakes #2, Lubbock TX", *Dry Lands Design Competition, an Open Ideas Competition for Retrofitting the American Wes*t. Arid Lands Institute, Nov 30th, 2011
- **Nesbit, Jeff,** "West Harlem Ag-Lab + Transport Hub", *Harlem Edge Cultivating Connections Competition*. Organizer-Emerging New York Architects Committee (ENYA), Jan. 15, 2012, West Harlem, NYC

- **Nesbit, Jeff, Perbellini, M, Driskill, D.,** "DRYLANDS DESIGN"**,** *an open ideas Competition for retrofitting the American West***,** The California Architectural Foundation in partnership with the Arid Lands Institute at Woodbury University and the AIACC Academy for Emerging Professionals
- **Jeff Nesbitt, Pongratz, C, Perbellini, M.,** "Porter Henderson Library", Angelo State University, Public Art Proposal, San Angelo, Texas, November 2011

RESEARCH RELATED SERVICE

Editor / Peer Reviewer / Jury Member

- **Haq, Saif**, *Technical Sub-Committee member and peer reviewer*, (19 abstracts and 11 papers) International Seminar on Architecture, Education and Practice, Faculty of Architecture and Planning, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh
- **Saif Haq**, *Peer Reviewer*, Space Syntax Symposium 8, Santiago, Chile (5 papers)
- **Saif Haq**, *Peer Reviewer*, Automation in Construction, (1 paper)
- **Saif Haq**, *Peer Reviewer*, Computers, Environment and Urban Systems, (1 paper)
- **Saif Haq***, Peer Reviewer*, Journal of Environmental Psychology, (2 papers)
- **Shacklette, Ben,** *Associate Editor*, *The International Journal of Interdisciplinary Social Sciences.*
- **Pongratz, Christian R.**; *Manuscript Reviewer,* "Signals and Boundaries" by John H. Holland**,** 270 pages, Philosophy and Cognitive Science, The MIT Press, Nov 2011

Symposium/Intensives Organized, Exhibition Curated

- **Haq, S**, *Re-Presentations*, *2012 Faculty Research Symposium*, College of Architecture, Texas Tech University, 25 Feb 2012,
- **Nesbit, Jeff**, *Topological Urbanism*, College of Architecture, Texas Tech University, 24March, 2012
- **Pongratz, Christian R.**; *Scalable Material Systems*, in "0-100 Digital Aptitudes", ACSA 2012 Conference, MIT, Boston, 2011

Invited Panelists

- **Pongratz, Christian R.**; 'Roundtable', international symposium of universities in the *Forum del Marmo*, 46th Marmomacc, Veronafiere, Verona, Italy, September 2011;

Invited lectures

- **Pongratz, Christian R.**; "Design and Material Processes", *Forum del Marmo*, 46th Marmomacc, Verona, Italy September 2011

RESEARCH RELATED HONORS, AWARDS AND RECOGNITIONS

- **Al Ajlouni, R.** Paper illustration featured in cover of *Acta Crystallographica A: Foundations of Crystallography*. It will stay on the cover for all issues of the journal throughout 2012.
- **Ellis, Clifton**, Session Chair, "Twentieth-Century Plantations Interpreted," *Annual Meeting of the Southeast Society of Architectural Historians*, October 27, 2011.
- **Haq, Saif**, Presidents Academic Achievement Award nomination
- **Perbellini, M**, Barnie E. Rushing Jr. Distinguished Research Award nomination
- **Perbellini, M**., Outstanding Researcher Award
- **Pongratz, Christian R.**; *Session chair,* "building envelopes-surface geometry", Acadia 2011 Conference, University of Nebraska, Lincoln, March 2011;
- **Pongratz C.,** and **Perbellini M., ,** book chaper written about their work. See *Materialita fluida di Pongratz e Perbellini,* by Marotta Antonello; in Antonino Saggio, ed. Architettura & Information Technology, pages 102-108, La biblioteca dell'Architetto *Series,* Mancosu Editore, Rome, Italy, 2011

FACULTY EXPERTISE

College of Architecture, Texas Tech University

Ajlouni, Rima	Historic Preservation	Photogrammetry	Digital methods and Computation	Islamic art and architecture	Patterns and geometry
Aranha, Joseph	Vernacular architecture	Non-western architecture	Climate responsive architecture	Meaning and symbolism in architecture	
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
Ellis, Clifton	Cultural Landscapes	Antebellum South	Slavery	Domesticity	Renaissance & Enlightenment
Flueckiger, Urs Peter	Architectural Design	Sustainable Design	Design Build	Architectural Drawing	
Gomez, Javier	Architectural Design	New Architecture in Historical Buildings or Sites	XVI-XVIII Spanish Colonial Architecture		
Haq, Saif	Spatial Cognition	Space Syntax	Architectural Theory	Non Western Architecture	Health Care Facilities
Hill, Glenn	Energy + Design	Visualization	General Systems Theory	Computer Simulation of Buildings	Integrated Architecture
Jaddo, Lahib	Artsy Architecture	Sustainability	Community design		
Louden, Elizabeth	Historic Preservation	Architectural Documentation	3-D Laser Scanning	Historic Building Materials	Cultural Sites and Building Assessment
Markovich, Nicholas (El Paso)	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
Martin, Michael	Furniture	Sustainability	Affordable Housing		
McReynolds, Victoria	Installations	Terrain vague	Memory space	Design pedagogy	Steps and stairs
Nason, Joshua	Construction	Making	Discourse	Drawing	Mapping
Neiman, Bennett	design	process	Improvisation	imagination	creativity
Nesbit, Jeff	design	Fields	Urbanism	Decay	Theory

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