

## Jessie Marshall Zarazaga, PhD RIBA LeedAP

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### EDUCATION

PhD in Engineering	2019	<b>SMU, Southern Methodist University, Dallas, USA</b> (Applied Science: Multidisciplinary Studies in Engineering) "GIS Mapping as a Catalyst for Creative Site Design in Engineering Education"
PhD in History & Theory of Arch. (abd)	2002-	<b>Architectural Association</b> , London, UK (withdrawn) "Scaling Territories: The Operation of Landscape devices In the Urban Field"
RIBA Part III	1998	<b>Architectural Association</b> , London UK
MA Dip. Arch. RIBA Part II	1993	<b>Cambridge University</b> , UK
	1992	<b>Harvard University</b> , Graduate School of Design, USA ( <i>Cam. Scholar</i> )
BA Hons in Architecture (First Class)	1990	<b>Cambridge University</b> , UK
BA Theatre Design (cum laude)	1987	<b>Williams College</b> , USA
	1983	Walnut Hill School of the Performing Arts, Boston
	1982	Maru a Pula Secondary School, Gaborone, Botswana

### PROFESSIONAL LICENSE & AFFILIATIONS

**LEED AP**, Accredited Professional, USGBC, since 2009

**RIBA**, Licensed Architect, Royal Institute of British Architects, (RIBA: 6392203), **ARB** 1984 (ARB: 062528K), since 1998

**AIA** international associate, American Institute of Architects, 2001

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### ACADEMIC EXPERIENCE

#### SOUTHERN METHODIST UNIVERSITY, Dallas

2018-	<i>Program Director, MA Sustainability and Development, Civil &amp; Environmental Engineering</i> <i>Director of the Initiative for Spatial Literacy, GIS@SMU Fondren Library</i> <i>Fellow of the Hunt Institute for Engineering &amp; Humanity, Lyle School of Engineering</i>	
2017-	<i>Assistant Research Professor, Lecturer in Civil &amp; Environmental Engineering</i>	
2015-17	<i>Director of the Initiative for Spatial Literacy</i>	
2015-17	<i>Adjunct Professor, Lyle School of Engineering, Meadows School of the Arts</i>	
	<b>CEE 7324 GIS &amp; Mapping</b>	geospatial data, analysis & site design
	<b>CEE 7306 Sustainable Urban Development &amp; Design</b>	theory & practice of urbanism, project based.
	<b>CEE 7330 Design for Sustainable Building &amp; Infrastructure</b>	green building and site design. Project based.
	<b>CEE 8325 Sustainable Urban Plan</b>	in collaboration with the ULI Project based.
	<b>CEE 7391 Capstone in Sustainable Development</b>	individual research advising
2011-13	<i>Adjunct Professor, Meadows School of the Arts</i> <b>ASHS 1306 Introduction to Architecture</b> <b>ASHS 1340 Urban Visions</b> <b>MSA 4302 Mapping Place through Participation,</b> <b>MSA 1350 Artspace: Mapping Sites of Social Change</b>	architectural history and design project. history of urbanism and urban mapping art / theatre community mapping, public space urban mapping, public art & community
2019	<b>Think Play Hack</b> ; Digital Humanities 'Trust' Taos NM June 2018, GIS support. <b>Think Play Hack Pilot; Infrastructure Inequity</b> , January 2019 Expert Participant, Member of organisation team	
2015-	<b>Initiative for Spatial Literacy (GIS@SMU)</b> Central University Library	

Fully responsible for design and implementation of new teaching and research support structure for GIS-mapping across university disciplines. Software & hardware, data systems & training, lectures workshops. Designed and procured collaborative digital scholarship lab. Trained staff & developed program structure.

- 2016- **GIS@SMU Dedman College Interdisciplinary Institute**  
 Joint-director of Interdisciplinary funded research cluster, with McCoy (anthropology) & Desmet (economics).  
 Awarded funding for 5 years. Organized guest speakers, workshops & collaborative events.
- UNIVERSITY OF NORTH TEXAS, Denton** College of Visual Arts and Design  
 2012 *Adjunct Professor*  
**AEAH 4815 20<sup>th</sup> C Architecture** history /theory of early 20<sup>th</sup> century design
- TEXAS TECH UNIVERSITY, Lubbock**  
 2006-08 *Adjunct Professor and Online Instructor*  
**ARCH 4381 Urban Theory** online curriculum design & teaching  
**ARCH 4601 Advanced Architectural Design Studio** urban design studio practicum
- UNIVERSIDAD CATÓLICA DE VALPARAISO, Chile,**  
 2005 *Fulbright Scholar, Visiting Professor*  
**5<sup>th</sup> year Design Studio** landscape and urban design studio
- UNIVERSITY OF TEXAS AT ARLINGTON, Dallas**  
 1999-03 *Adjunct Professor and Lecturer (full time)*  
**ARCH 5395 Theory of Architecture** MLA/March & GIS, Mackenzie Univ, Sao Paulo.  
**ARCH 5495 Landscape and Urban Design Studio** Rome course, (summer 2002)  
**ARCH 4306/4311/4315 Urban History and Theory** 2<sup>nd</sup> & 3<sup>rd</sup> Yr "Inhabited Illusions, Mexico City.  
**ARCH 3554/2552 Collaborative Design Studio** "Inhabited Discontinuities" Hot Springs, Ark.  
**ARCH 2551 Design Studio II** "Repositories". City of Lancaster, Texas.  
**ARCH 3553 Design Studio III** "Tide, Flood, Flow" Urban Development  
**ARCH 3554 Design Studio III**
- CAMBRIDGE UNIVERSITY, DEPARTMENT OF ARCHITECTURE, England**  
 1996-98 *Tripas Unit Tutor and Studio Teaching Faculty*  
**Intermediate Unit** "Buildings & their Territories" Norfolk landscape  
 "Vertical Landscapes" Banyalbufar, Spain;  
 "Territories on the Edge" Tech. Univ. Amsterdam
- LONDON SCHOOL OF ECONOMICS, London, England**  
 1997 *assistant design tutor*  
**City Policy and Urban Design** test-run interdisciplinary course
- GREENWICH UNIVERSITY, London, England**  
 1995-96 *Unit Master / Teaching Faculty*  
**Architectural Design 1: First Year Unit**
- CHINESE UNIVERSITY OF HONG KONG, Hong Kong, China**  
 1994-95 *assistant lecturer and full-time studio teaching staff, student advisor*  
**ARCH 2112 Architectural Design II**  
**ARCH 3322 History & Theory of Western Architecture**
- COLLEGE OF THE ATLANTIC, Maine, USA,**  
 1994 *part-time instructor, Environmental Design*
- KARUME TECHNICAL COLLEGE, Zanzibar, Tanzania,**  
 1993 *tutor, engineering/ architectural drafting*
- CAMBRIDGE UNIVERSITY, DEPT ENGINEERING**  
 1993 *graduate teaching assistant, building design for engineers.*
- BOSTON ARCHITECTURE CENTER, Mass**  
 1992 *design faculty, architecture design studio*
- HARVARD UNIVERSITY, GSD, Boston**

1992

graduate teaching assistant for William Curtis

## GUEST SPEAKER AND INVITED DESIGN CRITIC

Duke University, Durham North Carolina  
Texas Tech University, Lubbock, Texas  
University of North Texas, Denton  
Architectural Association, London, UK  
Pontifica Universidad Católica de Chile, Santiago, Chile  
Universidad Católica del Norte, Antofagasta, Chile  
Universidad de Chile  
Greenwich University, London, UK  
University of Pennsylvania, Philadelphia  
Bartlett School of Architecture, University College, London  
Slade School of Art, University of London  
Oxford Brookes University, Oxford  
Kingston University, London  
Hong Kong University  
North-eastern University, Mass  
Harvard University

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## PROFFESIONAL EXPERIENCE

### Architect and Urban Design, Principal and Founder

2001-19 **JESSIE MARSHALL design** Dallas

Acacia House, Manda Island, Lamu, Kenya  
Dallas International School Playground & Masterplan  
5905 Club Oaks Drive, with Gracia Design  
Zaguan Express Cafe Dallas, Texas.  
Pershing Street House, Dallas, Texas, historic renovation  
Kobe Sustainable Housing Masterplan Kobe, Japan  
Poppintree Community Sports Centre, Ballymun Dublin  
CityColor Reprographics, Dallas, Texas  
Zaguan Bakery and Cafe Dallas, Texas  
Payne Residence: Slot House Dallas, Texas  
Latta House London, UK  
Troia Eco-Hotel Lisbon, Portugal

(ongoing)  
(completed 2015)  
(completed 2016)  
(completed 2008)  
(completed 2006)  
consultant to Laguarda Low (2003)  
consultant to David Whitehead Arch. (2003)  
(completed 2002)  
(completed 2002)  
(completed 2001)  
(completed 1998)  
consultant to Laguarda Low (2001)

### Urban Designer and Landscape Architect, founding partner

2008-14 **RYBA land design** Dallas

### Sustainability Consultant and Architect

2010-14 **FRANCO ELEUTERI, Globally Competitive Solutions**

### Architect and Senior Associate, Architecture, Urban Design & Landscape

2000-02 **LAGUARDA LOW ARCHITECTS**, Dallas

1998-00 **HELLMUTH OBATA KASSABAUM**, Dallas

Troia Eco-Resort Sustainable Masterplan Lisbon, Portugal AIA citation award winner  
Downtown Dallas Streetscape Dallas, Texas  
Southwest Parkway Highway Urban /Landscape Design Fort Worth, Texas  
Troia Eco-Hotel and Casino Lisbon, Portugal AIA citation award winner  
Pernerovna Health Club and Entertainment Centre Prague AIA citation award winner  
Proyecto Bandera Santiago, Chile, Project designer (built 2004)

### Project Architect and Project Designer

1996-98 **MACCORMAC JAMIESON PRICHARD** London

**Consultant in Sustainable Urban Design & Conservation**

1993 **AGA KHAN TRUST FOR CULTURE & STONETOWN CONSERVATION AUTHORITY, Zanzibar, Tanzania**

**Architect**

1990 **CULLUM AND NIGHTINGALE ARCHITECTS** London

1991 **BALLINI AND PITT** Luxembourg

**Design Assistant**

1986-87 **DALGLIESH LINDSAY GROUP** Gaborone, Botswana  
Ministry of Local Govt. & Land Comprehensive study for sustainable housing.

**LECTURES / CONFERENCE TALKS**

- 2019 Invited Speaker, Caruth Institute for Engineering Education Fall Workshop "Rethinking Practices, Education & Engagement, Dallas TX. **"Using GIS for Project-Based Learning and Community-Based Design Studies"**
- 2019 The Download @ Lyle Series: Coffee | Connection | Conversation Fall Breakfast Lecture Series, SMU **"Using Maps and Data to Teach Design Thinking"**
- 2019 American Society for Engineering Education (ASEE) Annual Conference 2019 (LEES division) Tampa, Florida **"Deep Observation: Geo-Spatial Mapping as a Strategy for Site-Engagement and Problem-Design"**
- 2019 Panel moderator and Invited Symposium Commentator at Summary Session, EarthX Cities 2019, Dallas **"Resilience: Planning for, responding to, and Recovering from Extreme Weather Events."**
- 2019 Invited speaker, 2019 Dallas Arboretum Food & Wine Festival "The Chef's Garden: Roots on the Road" **"How can Green be Greener? Better practices in a reusable world."** Presented by EarthxTaste.
- 2019 Observed Design Charrette, invited participant and team presenter, The "Agenda for a New Dallas Summit", On transportation infrastructure in Dallas' Southwest Sector, Coalition for a New Dallas and D Magazine.
- 2018 ASEE Annual Conference 2018, Design in Engineering Education Division (DEED), Salt Lake City **"Mapping as Design Thinking: Can GIS Help Engineering Students Approach Design?"**
- 2018 ESRI Education Summit, GIS Creating Bridges, San Diego **"From Ideas to Infrastructures: Creative Connections in South Dallas"**
- 2018 Invited speaker Prism Panel Series, "Interdisciplinary Collaborations" SMU Libraries **"Communication, Community and Site: Interdisciplinary Challenges in Project base Teaching"**
- 2018 Introduction and host, DFW City Planners Forum, hosted by ULI, Harvard GIS and Hunt Institute SMU **"Our Region and Opportunity"**
- 2017 Urban Communication Foundation NCA Pre-Conference, SMU Dallas. **"Participatory Action Mapping as Research"**
- 2017 invited panel member at the Dallas Festival of Ideas, Dallas Conference Centre **"Equity in the Physical City"**
- 2017 "New Cities/ Future Ruins: Art, Urbanism & Power in the Western Sunbelt" **"On Maps"**, exhibition talk, invited speaker as part of cartography curatorial team
- 2016 T3G ESRI Education Conference, invited participant, lighting talk: **"Does Making Maps help engineers be more creative?"**
- 2015 'Zooming Out to Zoom In' panel at DFW Urban Summit, Invited speaker **"Going Big with Small Steps"**
- 2015 Nepal Earthquake organiser of group participation for Humanitarian Open Source Mapping, Hunt Institute SMU

2015	SMU dept Sociology; SMU dept Anthropology, GIS & Mapping, Guest Workshops
2014	Duke University, dept of African & African American Studies, Guest Lecture <b>"Maps Revealing the Public, The City as Theatre"</b>
2014	North Central Texas Council of Govt, Regional GIS Conference <b>"Why teach GIS to Engineers? Infrastructure as Landscape"</b>
2014	Lecture, Dallas City Hall GIS users' group <b>"Why teach GIS to Engineering Students? Cultural Overlaps in Vickery Meadows "</b>
2013	Water: Ripple Effects: E&H 3, Hunt Institute for Humanity & Engineering, SMU Project manager, 1 week conference water access, safety & distribution, particularly in disaster relief settings <b>'The Water Tap'</b> designer of living village.
2012	TEDxSMU 2012: ReThink: invited speaker <b>"Suspended on the inland Sea: re-thinking Dallas a Landscape of Poetry"</b>
2012	bigBang! speaker, hosted by Dallas Social Venture Partners <b>"Mapping Dallas as a landscape"</b>
2010	Pechu-Kucha, Dallas Idea Week, public lecture event, Dallas Theatre <b>"Ritoque"</b>
2011	two-day Workshop for DISD visual art students at the Dallas Museum of Flight, judge: P. Meadows. <b>"Inhabiting the Uncertain"</b>
2007	Dallas Architecture Forum Panel, a public lecture series. <b>"On the Acts of Mapping: Landscape, Structure &amp; Perception"</b>
2005	Universidad Catolica Del Norte, Antofagasta, invited lecture series <b>"Que es Paisaje?"</b>
2005	<u>disecciones 05</u> , graduate school symposium, Universidad Catolica de Santiago, Chile, invited speaker <b>"Imaginary Cities"</b>
2004	<u>The Terrain of Landscape and Architecture</u> , juried Symposium, University of Newcastle, speaker at <b>"The Moving Horizon"</b>
2004	Urban League, New York, Invited speaker and round table with A. Ponte and L. Pollak <b>"Why Landscape within Architecture?"</b>

## PUBLICATIONS

### Peer Reviewed Journal Articles

**Zarazaga, J. M.** Tactical GIS Playing Cards: Leveraging Site Design Decisions through Geo-Spatial Play, Submitted to ASEE Annual Conference 2020, *Design in Engineering Education Division (DEED)* 2020 (in process)

Berry, Ken and **Zarazaga, J. M.** Engagement in Practice: Space Launch Weather Balloon Project. Submitted to ASEE Annual Conference 2020, *Engagement in Practice, Community Engagement Education Division (CEED)* 2020 (in process)

**Zarazaga, J. M.** (2019). Deep Observation: Geo-Spatial mapping as a strategy for site-engagement and problem-design, Submitted to ASEE Annual Conference 2019, LEES division, 2019.

**Zarazaga, J. M.** (2018). Evaluating Geo-Spatial Mapping as a tactic for Generative Design in Engineering Education. Submitted to *Journal of Engineering Education*, (Under Review)

**Zarazaga, J. M.** (2018). Mapping as Design Thinking: Can GIS Help Engineering Students Approach Design? *Proceedings of the ASEE Annual Conference 2018, Design in Engineering Education Division (DEED)* 2018, 24.

George-Williams, S. & **Zarazaga, J. M.** (2018). Beyond Our Horizon: Reaching out to Engineering Faculty to Teach Spatial Literacy. 2018 ASEE Annual Conference, 18.

**Marshall Zarazaga, J.** (2017). Qué es “Landscape”? Cuadernos de Arquitectura, Habitar al Norte, Num 11, 5–14. (Refereed journal) Antofagasta, Chile.

**Marshall Zarazaga, J.** (2011). The Moving horizon: landscape scale as an urban device. *Studies in the History of Gardens & Designed Landscapes*, 31(1), 60–73 (refereed journal) editor: John Dixon-Hunt U. Penn, Taylor & Francis.

**Marshall Zarazaga, J.** (2011). Flujos, Patrones y Topografías (Flows, Patterns and Topographies: Landscape’s urban devices revealed at Ritoque). *Materia Arquitectura*, (03). (Refereed journal) ed. M.Cortes, ed. Universidad San Sebastian.

**Marshall, J.** (2004) "The Cultivation of Site: Landscape Approaches to Teaching Architecture", 306090, (refereed journal) Princeton Univ. Press

**Marshall, J.** (2004). "The Cultivation of Site" *TexFiles*, UTA architecture journal

**Marshall, J** (1993) Is it a Nightmare or only a Cramp? A critique of the Architectural Idea, *Scroope 6*, (refereed journal) Cambridge Univ. Press

**Marshall, J** (1992) “These Gardens too are Gardens of Paradise”, *Scroope 5*, (refereed journal) Cambridge Univ. Press

#### Magazine and online Articles

**Zarazaga, J. M.** (2015, fall). Embedded Connection: Unique Dallas Landscapes Link Communities. *Columns Magazine*, AIA Dallas, Vol 32(Issue 3).

**Zarazaga, J. M.** (2012, fall). Place Making Through Activity & Motion: Unofficial, Tactical and Ad Hoc Landscapes. ‘Columns’ Magazine, AIA Dallas, Vol 30(6).

**Marshall Zarazaga, J.** (2016) “How Cars & Pedestrians Can Live Together: The Katy Trail” *The Dallas Morning News*, June 8.

Regina García, and interview with **Marshall Zarazaga, J** (2015) “The Rough Action of Space” a conversation on urbanism, design and theatre, *HowlRound Theatre Commons* (journal)

**Marshall Zarazaga, J.** (2010) “Dallas CityDesign Studio”, *Columns Magazine*, Dallas AIA, Nov. 2010 Dallas

#### Projects Published

**Marshall, J.** (1998). ‘RIBA competition Winners Hitman Family House’ 2<sup>nd</sup> Prize, RIBA Journal

**Marshall, J.** (1995). Movement Pattern ‘A Call for Public Works Competition’, design selected for publication, *Surface Magazine*, Los Angeles.

**Jessie Marshall design.** (2003). Annaka Environmental Art Forum International Design Competition Winners, Published Shinkenchiku Journal 2003: 10

#### Books and reports

Dr Ho Puay Peng, ed. **Jessie Marshall**, (1995) “Living Buildings” Vernacular Architecture of China, *CUHK Press*, Hong Kong

Vaughan, M & **Marshall, J.** (1994). “Perceptual Orders: research on Alvar Aalto” (unpublished report)

#### INDEPENDENT FUNDED RESEARCH

2019 **MLK Arts: performance and community space:** design for a sustainable arts center in South Dallas, with Soul Rep. Theatre. Resilient Infrastructure grant, Global Development Lab, Hunt Institute for Engineering & Humanity.

2017 **GIS Mapping for Development & Innovation**, for St Phillips School and Dallas Urban Farms.

- 2014 **Sites of Intensity: ppGIS to identify site suitability**, funded by SMU Arts & Urbanism and Hunt Institute for engineering & Humanity.
- 2014 **Spatial Networks of Refugee Communities in DFW**, Funded by Forced Migration IP & CEE Lyle SMU
- 2012 **PASEO: Making Place through Participation**, Urban design through memory mapping and the design & enactment of a shared community procession. Funded by SMU Meadows, Simmons Education, West Dallas Communities Bataan Center.

## AWARDS

### Academic Awards

- 2005 **Fulbright Scholar Fellowship**  
Research Scholar and Visiting Teaching Fellow  
School of Architecture & Design, Pontificia Universidad Católica de Valparaiso, Chile

### Project Awards

- 2009 **Honor Award**, Dallas Chapter AIA, 'Art Box', National Museum of Art, Oslo  
Team member with Fernando Teruya Architects
- 2004 **Commendation, AIA/RIBA** Diverse\_City  
International Competition and Exhibition of Practices. Exhibited
- 2003 **Annaka International Design Competition** Annaka Environmental Art Forum  
First Stage Finalist, Second Stage (in Japan) 3rd place prize
- 2001 **Citation Award**, Dallas Chapter AIA Troia Hotel & masterplan (project architect)
- 1999 **Citation Award**, Dallas Chapter AIA Pernerovna Health & Entertainment (designer)
- 1999 **Merit Award**, Texas Chapter ASLA Troia Community Masterplan
- 1998 **RIBA Competition** Hitman Family House, Lancashire  
Finalist, Second Place Award.

### Scholarships

- 1992 **British American Universities Fellowship**
- 1991 **First Portfolio Award** Selected for a year study at Graduate School of Design, Harvard
- 1990 **Ken Roberts Award for Dissertation (Distinction)**; Dept of Architecture, Cambridge
- 1990 **Bachelor Scholar Award** for First Class Degree, Emmanuel College, Cambridge
- 1989 **The Wingate Foundation Fellowship Award and Goldsmiths Scholarship Award**
- 1987 **Herschel Smith Fellowship and Award** (from Williams College) for 2 yrs Study at Cambridge University
- 1987 **Royal Society of Arts, Silver Medal** for integration of art and science, Williams College

## EXHIBITED WORKS

### Design Work

- 2016 Living City, Cellular Automata interactive cartography New Cities/ Future Ruins, Meadows, SMU
- 2011 Artspace 2011: Las Huellas: community mapping West Dallas & SMU
- 2004 DiverCity: RIBA/AIA juried exhibition, commendation, exhibition US /Asia
- 2003 Environment Art Forum, Annaka, Japan Annaka Exhibition, Japan
- 1999 Ken Roberts Drawings Competition Selected, Dallas AIA
- 1998 Ken Roberts Drawings Competition Selected, Dallas AIA
- 1996 Zadar Urban Landscape, EUROPAN Royal Academy of Arts Summer Exhibition
- 1995 'Exposure' Young Architects of Hong Kong Hong Kong Institute of Architects

### Design Competitions

- 2009 Art Box in the Park', Oslo, Norway presented with FTA Design Studio
- 2003 Environment Art Forum for Annaka, Japan 3<sup>rd</sup> place
- 1999 Guadalupe Church, Iowa
- 1998 South African Constitutional Court Johannesburg Listed
- 1998 Hitman Family House & Garden, Lancashire 2<sup>nd</sup> Place
- 1996 EUROPAN Zadar, Croatia Exhibited
- 1995 Movement Pattern "A Call for Public Works", Los Angeles Special Mention, Exhibited
- 1995 Chinese Academy of Science Beijing, China Presented with CUHK

### Set Design

- 2014 The Magic Rainforest" Set Design, Cara Mia Theatre Co.

2013	"The Dreamers"	Set Design, Cara Mia Theatre Co.
2013	'Romeo & Julieta'	Set Design, Cara Mia Theatre Co.
2012	"Milagritos, Little Miracles"	Set Design, Cara Mia Theatre Co.
2000	"Purlie Victorious"	set design Soul Rep Theatre Co, Dallas
1993	"Much Ado about Nothing"	set design CUPS. Cambridge
1987	"The Fantastics", "The Man in the Bowler Hat"	set design, Williams Theatre
1986	"Cry the Beloved Country"	lighting design, Capital Players, Botswana
<b>Service</b>		
2014-	Dallas International School	site & building committee.
2011-12	Urban Land Institute Urban Plan	mentor UP teaching program
2013-5, 2010	La Reunion Texas, Dallas	Board Member, co-Chair Building Committee
2011	Big Thought, City Design workshop,	Workshop Leader, Dallas City Hall
2010	building community workshop & Dallas City Design studio	research and publication volunteer.
2006	RIBA/USA	South USA representative
	Cochran Heights NA, Tango Argentino Dallas; Corinthian Sailing Club.	