

Curriculum Vitae

Dr. Lindsay Blair Howe

Research and Teaching Associate

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Education

- 2014-2017 ETH Zurich, Ph.D. in Architecture / Urban Studies
- 2009-2012 ETH Zurich, M.Sc. in Architecture / Urban Design
- 2002-2007 University of Virginia, B.Sc. in Architecture / Global Culture and Commerce

Teaching and Professional Experience

- 2018- ETHZ Department of Architecture for Prof. Christian Schmid
Lecturer and Research Associate
- 2014-2016 ETHZ Department of Architecture for Profs. Anna Heringer and Martin Rauch
MSc/BSc Studio Design Instructor and Research Scientist
- 2013-2014 Neff Neumann Architects, Architectural Designer (Zurich, Switzerland)
- 2012-2013 ETHZ Department of Architecture and Urban Design for Urban-Think Tank, Profs. Alfredo Brillembourg and Hubert Klumpner, Research Scientist
- 2009-2012 ETHZ Department of Landscape Architecture for Prof. Günther Vogt, Teaching Assistant
- 2009- Lindsay Howe Translations + Design, Founder (Zurich, Switzerland)
- 2008-2009 Jan Endemann Architect, Intern Architect (Stuttgart, Germany)
- 2007-2008 Studio 109 PLC, Intern Architect (Charlottesville, Va)

Research Projects and Grants

- 2016-2018 Gauteng City-Region Observatory Research Fellowship. Grant to implement region-wide data collection utilizing volunteered geographic information in Johannesburg (USD 27,500).
- 2015 ETH Zurich Seed Money Grant. Funding to support construction of rammed earth building prototypes during a summer school in Mdabulo, Tanzania. Department of Architecture, ETH Zurich (CHF 35,000).
- 2014-2017 Sawiris Foundation Research Grant. Doctoral research funding. ETH Global, Zurich (CHF 175,000).
- 2014 USAID Innovate Grant. Funding for development of a mobility pattern tracking smartphone application. Development Impact Lab (DIL), University of California, Berkeley (USD 3,815).

Teaching Activities

- 2018- *Extended Urbanization* (BSc) Course co-instructor
Research seminar exploring extended urban regions through lectures and texts.
- 2018- *NSL 1: Methods of Urban Research* (MSc) Course co-instructor
Required course introducing sociology methods to architecture and urban design students.
- 2017- *Master's Thesis Ancillary Discipline* (MSc) Course co-instructor
Sociological analysis of the context, site, and architectural design to accompany assigned and independent masters' theses.
- 2015 *Summer School Elective Thesis* (Vertical studio BSc/MSc) Course co-instructor
Summer school implementing the results of a Spring 2015 design course on sustainable housing in the highlands of Tanzania utilizing rammed earth.
- 2014-2016 *Architectural Design V-IX* (Vertical studio BSc/MSc) Course co-instructor
Required elective studio focused on the connection between sustainable building materials, cycles of urbanization, and architectural designs with a particular focus on earth building.

Conferences and Public Outreach

- 2018 Decentering Design. Public lecture at the University of Southern California, Prof. Milton S.F. Curry, Los Angeles. 23 April 2018.
- 2018 Thinking through Peripheries: Structural Spatial Inequality in Johannesburg. Association of American Geographers Conference presenter, New Orleans. 11 April 2018.
- 2018 Reframing Sustainable Urbanism. Public lecture at the Louisiana State University Department of Architecture, Prof. Marwan Ghandour, Baton Rouge. 9 April 2018.
- 2017 Learning from Johannesburg. Doctoral research with smartphone technologies. South African Academic Achievers Tour presenter, ETH Audimax, Zurich. 2 October 2017.
- 2017 Johannesburg: the Underprivileged Settlements of an Urban Region. Exhibition of PhD research, Annual Exhibition of the ETH Zurich Department of Architecture. Zurich. Fall 2017.
- 2017 Transdisciplinary Mobility Mapping with VGI in Johannesburg. Nordic Geographers Meeting presenter, Stockholm. 26 June 2017.
- 2017 Transdisciplinary Mobility Mapping with VGI in Johannesburg. PhD colloquium lecture series presenter, Université de Neuchâtel, Prof. Dr. Yvonne Riano, Neuchâtel. 1 June 2017.
- 2017 The Production of Extended Urban Regions: The Case of Johannesburg. Association of American Geographers Conference presenter, Boston. 2 April 2017.
- 2016 Constancy and Change: Marlboro South as an Interstice of Marginalization and Development in the Gauteng City-Region. University of the Witwatersrand lecture series "SARChi" in Spatial Analysis and City Planning presenter, Johannesburg. 9 September 2016.
- 2016 City-making from the Fringe: Control and Insurgency in the South African Housing Landscape. UN-HABITAT NoCost Housing Conference presenter, Zurich. 1 July 2016.
- 2016 Towards a Cooperative Urbanism. A transdisciplinary analysis of structural inequality in Johannesburg. Research for Development Colloquium presenter at the ETH Zurich, Prof. Isabel Günther, Zurich. 13 May 2016.
- 2016 Information as Contestation: The digital realm as a platform for underprivileged communities. Association of American Geographers Conference presenter, San Francisco. 1 April 2016.
- 2016 City-making from the Fringe: Claiming a right to the city through everyday socio-economic practices. Discussant and Chair, Association of American Geographers Conference panel organizer, San Francisco. 29 March 2016.
- 2015 Urban Earthworks. UABB Bi-City Biennale on Urbanism and Design. Concept design and project management for Anna Heringer, Mu Jun, and Martin Rauch at the Radical Urbanism exhibit curated by Alfredo Brillembourg and Hubert Klumpner, Shenzhen. Winter 2015.
- 2015 Networks of Communities: Analyzing Mobility with the myJozi application. Public lecture at Boundless City, Johannesburg. 01 August 2015.
- 2015 Between Observation and Representation: The Interstice of Quantitative and Qualitative Urban Research in Johannesburg. Public lecture at the University of Mendrisio Department of Architecture, Prof. Dr. Sonja Hildebrand, Mendrisio. 22 April 2015.
- 2014 Towards a New Urbanism. Cooperative Development Strategies in Johannesburg's Interstitial. Brown-bag discussion at with Prof. Dr. Swapna Banerjee-Guha the Urban Research Symposium, Zurich. 25 September 2014.
- 2014 Johannesburg: Processes of Urban Transformation. BANBEE Lecture Series, Berkeley African Network for the Built Environment, Berkeley. 07 April 2014.

Fellowships and Awards

- 2017 Finalist for the Lee Schipper Memorial Scholarship. WRI, Washington, D.C (USD 10,000).
- 2015 Swiss National Science Foundation Doc.Mobility Fellowship. Grant to support doctoral research fieldwork in Johannesburg. SNSF, Bern (CHF 28,500).
- 2012 Erich Degen Foundation Travel Grant. Master's thesis award. ETH Zurich (CHF 5,000).
- 2012 UrbanSOS." AECOME Frontiers Competition. Semi-finalist with Vanessa Joos for master's thesis research on Johannesburg exhibited in Shanghai, China.
- 2008 Bonn Central Station Plaza competition. Architectural design competitions for Jan Endemann, Architect. Third prize in Bonn, Germany.
- 2007 Market Values competition. Architectural designer for team Little Rhino Studio. People's Choice Award Winner in Charlottesville, Virginia.
- 2002-2007 Jean Holliday Scholarship, Deans List, Phi Beta Kappa, All-Academic Student-Athlete Team. Undergraduate awards for academic excellence, University of Virginia.

List of Publications

Peer-Reviewed Publications

- Upscaling Earth. Material, Process, Catalyst.* Book, with Anna Heringer and Martin Rauch. gta Press, Zurich (forthcoming April 2019).
- "Densification Processes in Comparison: Alexandra and Marlboro South." Book chapter. In: *Densification Policies and Processes: Johannesburg in an international perspective* (P. Harrison et al., eds.). UCT Press: Cape Town (forthcoming Spring 2019).
- "Paradigm Johannesburg: Control and insurgency in South African urban development." Article. In: *International Development Planning Review*: Liverpool University Press (forthcoming October 2018).
- "The Extended Urbanization of Johannesburg." Article. In: *Jahrbuch*. 2017: gta Press, Zurich.
- Thinking through Peripheries: Structural Spatial Inequality in Johannesburg.* Doctoral dissertation. 2017: ETH Zurich Department of Architecture.
- "Earth Matter(s)!" Article. In: *Interior Matter. Harvard Symposium on Architecture* (Moe and Gardner eds.). SOLID Harvard GSD series, a+t 47. With Anna Heringer. 2017: a+t publishers, Madrid.
- "Equal H2O: Mapping Access through Interviews." Article. In: *Water. An Atlas*. 2017 (forthcoming): Guerilla Cartography, Oakland.
- "Delvers Close. A Toehold in the Big City." Book chapter. In: *Architecture in Johannesburg. Past and Present Reflecting in Buildings of Apartheid* (Dechmann et al. eds.). With Alfredo Brillembourg and Daniel Schwarz. 2015: Fourthwall Books, Johannesburg.
- "Experimental Utopias." Article. In: *trans 25: Spekulativ*. 2014: gta Press, Zurich.
- "Common Ground. Appropriation and Community in Marlboro South." Article. In: *SLUM Lab Magazine, Issue 9: Made in Africa*. 2014: Brillembourg & Klumpner Chair of Architecture and Urbanism.
- "Persistence, Distance, Architecture." Article. In: *trans 22: Haltung*. 2013: gta Press, Zurich.
- Post-Apartheid Urbanism.* Master's thesis. With Vanessa Joos. 2012: ETH Zurich Department of Architecture.
- "The SUDU Project." Article. In: *PLAT Architectural Journal*, Volume 1.5. 2011: Rice University Press, Houston.

Peer-Reviewed Conference Proceedings

- "Thinking through Peripheries: Structural Spatial Inequality in Johannesburg." 2018: Association of American Geographers Conference, New Orleans.
- "Transdisciplinary Mobility Mapping with VGI in Johannesburg." 2017: Nordic Geographers Meeting, Stockholm.
- "The Production of Extended Urban Regions: The Case of Johannesburg." 2017: Association of American Geographers Conference, Boston.
- "City-making from the Fringe: Control and Insurgency in the South African Housing Landscape." 2016: UN-HABITAT NoCost Housing Conference, Zurich.
- "Information as Contestation: The digital realm as a platform for underprivileged communities." 2016: Association of American Geographers Conference, San Francisco.

Commissioned Reports

- "Constancy and Change: Marlboro South as an Interstice of Marginalization and Development in the Gauteng City-Region. Report 8. *Spatial Transformation through Transit-Oriented Development in Johannesburg Research Report Series*. 2017: South African Research Chair in Spatial Analysis and City Planning. University of the Witwatersrand, Johannesburg.
- "Mapping as a Social Enterprise. Implementing new tools in the Gauteng City-Region." Collaboration with the Gauteng City-Region Observatory and Planact SA. Digital, February 2017, www.gcro.ac.za.
- "Digital Divides: Mobile Phone Signal Strength and Population Densities in the Gauteng City-Region." Digital publication *Map of the Month*, August 2016: www.gcro.ac.za.

Book Translations

- Refined Earth: Construction & Design with Rammed Earth.* Otto Kapfinger and Marco Sauer (eds.). 2015: Detail Verlag, Munich.
- Piet Eckert & Wim Eckert: E2A Architecture.* Piet Eckert, Wim Eckert, Tibor Joanelly, Via Lewandowsky, Niklas Maak, Martino Stierli, Frank Weiner (eds.). 2012: Hatje Cantz, Zurich.
- Venturing Permanence. The ETH House of Science in Bamiyan.* Ivica Brnić, Florian Graf, Wolfgang Rossbauer, Christina Lenart (eds.). 2012: gta press, Zurich.
- Urban Code: 100 Lessons for the City.* Anne Mikoleit and Moritz Pürckhauer 2011: The MIT Press, Cambridge, Ma.

Design Work and Competitions

- 2018 CURE Campus. Urban design and sociological analysis consultant for the Resilient Civic Design Collective. Feasibility study In Lusaka, Zambia.
- 2017 Wirtschaft Weinberg. Architectural design consultant for Studio Zed. Under construction in Märstetten, Switzerland.
- 2014 Psychiatric Clinic for Children and Youths. Architectural designer for neff neumann architects. Invited competition in Liestal, Switzerland.
- 2013 Mar del Plata City Hall competition. Urban and landscape design consultant for Urban-Think Tank. (Partially) constructed 2015 in Mar del Plata, Brazil.
- 2009 Comprehensive School Renovation and Addition competition. Architectural designer for Jan Endemann, Architect. Second round invited competition in Rülzheim, Germany.
- 2008 Bonn Central Station Plaza competition. Architectural designer for Jan Endemann, Architect. Third prize in Bonn, Germany.
- 2007 Market Values competition. Architectural designer for team Little Rhino Studio. People's Choice Award Winner in Charlottesville, Virginia.

Community Engagement and Professional Development

- 2018- Board member of 1:1 Agency of Engagement in Johannesburg, South Africa.
- 2017- Board member of Lukhanyo Hub Foundation for development in Cape Town, South Africa.
- 2016 Certification in ETHZ continuing education "Learning to Teach" seminar for course instructors.
- 2016 Participant in Competence Center Environment and Sustainability (CCES) Winter School "Science Meets Practice" in Wislikofen, Switzerland.
- 2015 Participant in International Journal of Urban and Regional Research "Authors Meet Critics" digital discussion seminar.
- 2015 Peer reviewer for 2015 issue of P[art]icipatory Urbanisms, University of California, Berkeley.
- 2014 Peer reviewer for ACSA/AIK International Conference: Open Cities. Urban Environments + New Regionalism: Interventions for Public+Private Spaces.
- 2004-2008 Assistant Coach (2004-2006) and Head Coach (2007-2008) of the Albemarle High School Swim Team in Charlottesville, Virginia.