

Pamela Cabrera / Senior Associate

Pamela is passionate about the impact of good design in the built environment. She understands the importance of creative thinking and an interdisciplinary approach between art and science, linking architecture to engineering. Her experience as a practicing architect combined with her rigorous studies in energy and building technology well-suits the core goals at Transsolar of low-tech, high comfort design. At Transsolar, she works on projects that can affect human behavior and energy consumption towards healthier and more resilient architectures.

Education

MDes Energy and Environment
Harvard Graduate School of Design
B.Arch. The Cooper Union

Registrations

Licensed Architect, Peru

At Transsolar

2019 Associate

Other Experience

Teaching Assistant, Harvard GSD + SEAS
Research Assistant, Harvard CGBC
Principal, CEAD
Project Manager, Katz Architecture
Research Head, Construye Identidad

Publications/Speaking

IBPSA BS2019 Rome
Facades+ Boston 2019
Miami's Other Water Problem,
Bloomberg
OPEN CITY: Autonomies and
Spazialitsmo

Awards

Building Technologies 'ABC' Award, US
DOE
Daniel L. Schodek Award for
Technology and Sustainability, Harvard
University
IBPSA Int. Student Travel Award
MDes R&D Award, Harvard University
Abraham E. Kazan Award for Urban
Design

In Progress

Yale Physical Sciences and Engineering Building New Haven, CT, USA / Art Gallery of
Nova Scotia Halifax, NS, Canada / Oolite Arts Center Miami, FL, USA / Energy Science and
Technology Building, University of Pennsylvania Philadelphia, PA, USA / Katahdin Woods
and Waters Visitor Center Patten, ME, USA / Membrane Dehumidification Screen
Development, DOE-funded research with Princeton, Harvard, and MIT / SNF Agora
Institute, Johns Hopkins University Baltimore, MD, USA / Center for Computing and
Data Sciences, Boston University Boston, MA, USA / Norrsken House Kigali, Rwanda /
Marketland mixed use building Winnipeg, MB, Canada

2020

Redemption Hospital Education Center and Housing Caldwell, Liberia

Projects completed at other firms:

In Progress

El Eslabon Development Chincha, Ica, Peru / Vichayito Apartment Building Piura, Peru

2016

Miraflores Apartment Renovation Lima, Peru / Peruvian Pavillion Finalist, Venice

2015

Biennale / Tripod Table, principal architect, CEAD

2014

Vignolo Apartment Renovation Lima, Peru

2013

Studio for 2 Lima, Peru / Casa Pachacamac Pachacamac, Lima, Peru
Park Place Townhouse Extension New York, NY, USA / Highline Loft Renovation New
York, NY, USA / Urban ZEN, Donna Karen Retail Design New York, NY, USA /
Horner Apartment New York, NY, USA

Education

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- '17 - '19 **Harvard University**
Graduate School of Design
Master in Design Studies in Energy and Environment. Graduated with honors.
Received the Daniel L. Shodek Award for Technology and Sustainability
 - summer '18 **Basehabitat**
Kunstuniversität Linz
Course on earth and bamboo construction
 - winter '18 **Harvard University**
Center for Geographical Analysis
Certificate: GIS Institute
 - '07 - '12 **The Cooper Union for the Advancement of Science and Art**
The Irwin S. Chanin School of Architecture
Bachelor of Architecture. Graduated with honors
 - summer '09 **Sapienza Università di Roma**
Certificate Lingua, Archeologia e Arti visive a Roma

Licenses

Architecture License / Peru, Regional Lima
CAP Number #1785

Experience

- '19 - present **Transsolar KlimaEngineering**
Senior Associate
Refer to Transsolar CV for project experience
- '18-'19 **Harvard University**
Teaching Assistant
Fall '18 Course: SCI 6477/ES 291 Nano Micro Macro: Adaptive Material Laboratory. Taught by Joanna Aizenberg and Jonathan Grinham and offered jointly by the GSD and SEAS.
Winter 2019 workshop: STU:1112 Landscape Architecture Core II Pre-semester workshop. Taught by Silvia Bedito and Nadir Abdessemed.
- summer/fall '18 **U.S. Army Corps of Engineers**
Research Assistant
Conducted research on new resilience metrics for building envelopes under future climate change conditions.
- fall '17 - '18 **Harvard University GSD + Harvard Center for Green Buildings and Cities**
Research Assistant
Research with Holly Samuelson and Jesse Kennan in separate projects.
Assisted CGBC research on energy efficient tall buildings in hot, humid climates.
- '14 - '17 **CEAD Studio in Lima**
Principal Architect
Co-founder of CEAD with David Elzer in Lima, Peru. The portfolio includes and urban development, three house designs, a small apartment building, and various interior renovation projects as well as city competitions. Our focus ranged from product to urban design, with an emphasis on residential architecture.
- '13 - '14 **Katz Architecture**
Junior Designer and Project Manager
Managed three apartment renovation projects, one townhouse addition and a Donna Karan retail renovation. Responsibilities ranged from schematic designing to construction documents and construction administration until completion.

- '12 **Freelance Designer**
Designed a house in the outskirts of Lima, built later under CEAD Studio.
 - '09 - '11 **Irwin S. Chanin School of Architecture Archive**
Exhibitions Assistant
Collaborated in: Landscapes of Extraction: The Collateral Damage of The Fossil Fuels; Industries and MUSIKERHAUS: Raimund Abraham; and the Exhibition for the National Architecture Accreditation Board for The Cooper Union.
 - '11 **SITU Studio Internship**
Model builder and fabrication.
 - summer '10 **Club du Vieux Manoir**
Restoration Leader
Co-director of two restoration projects, leading a group of 12 students. These were: the tower of Chateau médiéval d'Eymet and the Abbaye du Moncel outside of Paris. Responsibilities included the mapping and documentation of the 14th C. abbey and teaching restoration techniques for masonry structural walls.
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- '19 **Cabrera, Pamela, Holly Samuelson, and Margaret Kurth. "Simulating Mold Risks under Future Climate Conditions." BUILDING SIMULATION. 2019.**
Publication in IBPSA 2019 Rome.
 - '18 **Platform 11: Setting the Table**
Harvard University Graduate School of Design
Entries: "Living Light: The dynamic capture and channel of bioluminescence and daylight for deep buildings", and "How Bottled Water Intensifies the Metabolic Shift: A case study in the planetary urbanization of Fiji's potable water through an energetic analysis".
 - '18 **"Climate Adaptation Finance and Investment in California."**
Printed book (2018) by Jesse Keenan. I contributed with climate adaptation illustrations and mapping of investments in California.
 - '17 **Harvard Center for Green Buildings and Cities: "Tall, Hot, Zero: Case Study Analysis for a Low-Energy Residential High-Rise in a Hot, Humid Climate,"**
H. Samuelson and A. Malkawi, P. Cabrera, E. Estrella Guillén, J. Han, T. H. Hsu, C. C. Huang, A. Huo, A. Jensen, W. Shi, C. Vohringer, B. Wang, X. Wang, X. Wang, B. Yan, N. Yoon, W. Zhang. Analysis of high rise housing in Shenzhen, China concerning energy consumption and passive possibilities within hot and humid climates.
 - 06.'16 **ARKINKA: Arquitectos Peruanos en el Mundo**
Printed Magazine N°245 / Article "Lima Uno a Uno"
by Pamela Cabrera and David Elzer
 - '15 - ongoing **Construye Identidad: "Challenges of Vernacular Construction in the Age of Globalization and Climate Change in the Tropical Forest Climate Zone"**
[Publication in process] Position: Research coordinator. A field study of four rural communities located within the Koppen-Geiger climatic classification of Tropical Forest. Cases in Honduras, Cameroon, Indonesia, and Peru. Alliances: CARE (The Asháninka Central of the Ene River) and the Center of Bioclimatic Architecture Studies of the University of Lima.
 - '15 **Peruvian Ministry of Education: "Lineamientos de Infraestructura Educativa Orientados al Bienestar Docente en Instituciones Educativas del Ambito Rural."**
Pelaez, Eduardo, Pamela Cabrera, and Marianne Trauten. Study of 10 rural public educational institutions of Peru across the different geographic regions. The research was used to determine construction guidelines for rural educational facilities by the Peruvian Ministry of Education.
 - '15 **OPEN CITY Existential Urbanity**
Printed Book 02/2015 by Architect Diane Lewis
Entry: "Museum Pavilion and Tower at Columbus Circle" by Pamela Cabrera

Awards

- '20 DOE ABC Grant for Thesis Project integrated into proposal along with Princeton, Harvard and MIT. " Membrane Dehumidification as Facade-integrated Building Screens for Latent Cooling"
U.S. Department of Energy (DOE) Award Number: DE-EE0009061. Bioenergy Technologies
- '19 The Daniel L. Shodek Award for Technology and Sustainability
Harvard Graduate School of Design
- 18-'19 Accepted to HUCE Graduate Consortium on Energy and Environment
Harvard University Center for the Environment (HUCE)
- '18 Scholarship to attend Basehabitat Summer school 2018
- '15 Finalist in curatorial competition for Venice Biennale 2016 Peruvian Pavilion
Venice Biennale 2016 "Reporting From The Front"
- '12 The Abraham E. Kazan Award for Urban Design / Cooper Union
- '12 The Cooper Union Alumni Association Annual Award / Cooper Union
- '11 The William Cooper Mack Thesis Fellowship / Cooper Union
- '10 Womensphere Leadership Conference
Nominated student to represent the Cooper Union
- '10 Art Exhibition Participant in OAS (Organization of American States)
Donated a painting for the fundraising event to end child poverty in Peru
- '07 The Cooper Union Full-tuition scholarship based on merit\

Invited Talks

- '19 - present Invited Critic to Architecture and Engineering Studios
Harvard GSD, Nano Micro Macro, Northeastern Future Lab, Northeastern Architecture Studio,
Graduate Studio Review at UPenn.
- 02.21 University of Miami, talk "Low-Tech - High-Comfort"
Lecture for the M.Arch Program Class
- 10.20 Virtual Festival of Facades by Zack group
Main Speaker for "Breathing Facades"
- 09.20 Joint Center for Housing Studies presentation
Talk on "Could Climate Change Increase the Risk of Mold in Housing?" With Holly Samuelson
and Sara Tepfer.
- 07.20 Podcast: "Obsessed with Humidity" with Positive Energy
Interview on Membrane Dehumidification project as well as research on humidity risks with
climate change.
- 05.17 16e festival Grains d'Isère, CRAterre
Invited Speaker to speak in behalf of the non-profit Construye Identidad.
- 11.16 Research Project Presentation, Construye Identidad
Main Speaker for "Challenges of Vernacular Construction in the Age of Globalization and
Climate Change in the Tropical Forest Climate Zone." The event was covered and published
by Arch Daily.
- 03.16 RIDEI Conference: Lima 2nd Forum: Intercultural City
Invited Speaker to speak in behalf of the non-profit Construye Identidad
Hosted by Pontificia Universidad Católica del Perú (PUCP)
- 11.15 The New Museum of Contemporary Art
Skyroom Symposium: Autonomies & Spazialismo
Invited Panelist for the launch of the book "OPEN CITY." Panel: Calvin Tsao, Samuel
Anderson, Gaetano Pesce, Wendy Evans Joseph, Alex Kwartler, Pamela Cabrera, Natalie
Savva, Anastasiya Chybireva and Matthew Hitscherich.

Volunteering

- '18 - '19 Harvard GSD, Design Research Forum (DRF) / President of Harvard GSD Organization.
- '18 - '19 Harvard GSD, MDes Student Council Representative / Elected member to represent the class
of 2019 Energy and Environment.
- '17 - '18 Harvard University Association of Peruvian Students / Elected committee member.
- '15 - '17 Non-profit Construye Identidad, Research Coordinator / Volunteer in research projects.
- '07 - '12 The Cooper Union, Architecture Student Council Representative / Architecture Administrative
Chair 2011 - 2012. Committees served: 2010-2012 Admissions, 2011-2012 Curriculum, 2009-
2011 Administration, 2007-2010 Alumni Committee, 2008-2009 Joint Activities Council