

Personal Information:

Current Address:

521 Bonnie Dr. El Cerrito
California 94530, USA

Tel: 510-495-6789

www.pYael.com
yael-cv@pyael.com

I am interested in co-design methods and technologies to support and empower communities in creating sustainable and place-appropriate environments.

Education:

University of California, Berkeley. California, USA.

Ph.D. Department of Architecture (May 2013).

Dissertation title: Global architects meet the place: Bridging the gap through Information and Communication Technology.

Dissertation committee: Prof. Yehuda Kalay (co-chair), Prof. Alice Agogino (co-chair), Prof. Nezar AlSayyad, Prof. AnnaLee Saxenian.

Technion - Israel Institute of Technology, Haifa, Israel.

M.Sc. Master of Science in Architecture-Urban Design, Cum Laude. Faculty of Architecture and Town Planning. Thesis Title: "Climate and Energy Considerations in School Building Design in the Hot-Humid Climate of Israel's Coastal-Strip" (June 2003).

Supervisors: Prof. Edna Shaviv and Prof. Guedi Capeluto.

B.Arch Faculty of Architecture and Town Planning. Awarded 5-Year Architecture Degree Cum Laude (June 1998).

University of New South Wales, Sydney, New South Wales, Australia.

One Session at the Department of Architecture and Town Planning, Special International Exchange Program for Qualified Students (1997).

Awards and Fellowships:

- Berkeley Circus Honorable Award for PhD. Lighting talk 2011 and 2012.
- Berkeley Big Ideas 2011 – Social Justice and Community Engagement Competition: Second Place Co-Winner: Students-Community Collaborative Design Challenge.
- Berkeley Big Idea 2011 – Information Technology for Society Competition: Finalist.
- Fellow, Summer Institute for preparing Future Faculty, UC Berkeley, 2010.
- Chancellor's Awards for Public Service Campus, CARES (Community Assessment of Renewable Energy and Sustainability) – Pinoleville Pomo Nation Partnership, 2010.
- Bears Breaking Boundaries 2009, Curricular Innovation – Honorable mention: Pinoleville Pomo Nation – UC Berkeley Partnership for Tribal Energy, Land Use and Sustainability (TELUS).
- Bears Breaking Boundaries 2009, IT for Society – Finalist: CARES: Community Assessment of Renewable Energy and Sustainability.
- Chancellor's Public Fellow – Berkeley Engaged Scholarship Initiative, UC Berkeley 2009.
- UC Berkeley Dean's Normative Time Fellowship (DNTEF), UC Berkeley.
- Academic Progress Award 2008, UC Berkeley.
- Graduate Division Summer Grant 2008, UC Berkeley.
- National Collegiate Inventors and Innovators Award, 2008 for project "CARES" – Community Assessment of Renewable Energy and Sustainability.
- P.E.O. International Peace Scholarship 2007-8 and 2008-9.
- The Eva Li Fellowship 2007. The Department of Architecture, UC Berkeley.
- The Gerhard and Gertrude Karplus 2004 award, for best Master Thesis. Faculty of Architecture and Town Planning, Technion, Israel Institute of Technology.

Relevant Professional Experience:

2009-Present CARES – Community Assessment of Renewable Energy and Sustainability.

Co-founder and architecture director.

- Working with Native American communities in Northern California on the design and construction of sustainable, culturally-sensitive buildings and supporting systems.
- Initiating and organizing ParticiPlace2012—International design competition for the PPN’s Living Culture Center, as a research testbed: Creating the competition brief and building program as a participatory community-based process; Obtaining \$11,000 for prizes; Advertising the competition around the world; Engaging acclaimed professional and acclaimed tribal jury; Designing printed material with a professional graphic designer; Announcing the competition internationally; Receiving 17 submissions from 10 different countries; Coordinating the evaluations process; Organizing the award ceremony and certificates; Preparing a final portfolio of all submissions.
- Managing and working with a team of 3 architecture graduates on the design of 2 HUD-funded sustainable and culturally sensitive prototype homes for the PPN in Ukiah, California: Organizing community workshops and design charrettes for the home design and for selecting materials and sustainable systems; Preparing conceptual design drawings and mockups; Working with construction and engineering company in transferring our design to construction documents; Participating in the construction of the straw-bale and earth plaster homes as a volunteer- and community-based process.
- Advising, mentoring, and evaluating groups of undergraduate and graduate students from UC Berkeley’s School of Engineering and undergraduate students from University of San-Francisco’s department of Art and Architecture in their community engaged learning process with the Pinoleville Pomo Nation (PPN) on a variety of class projects such as: Head-start preschool building, sustainable and culturally appropriate shading devices, and zero-energy museum-grade display box.

2013-2014 University of California, Berkeley.

Director, Cal Design Lab (CDL), College of Environmental Design.

- The CDL is an experimental studio space promoting hands-on, interdisciplinary design activities as a nexus for design research and practice, facilitating discourse that transcends different design disciplines.
- Managing the lab and its activities: Organizing public, hands-on design workshops; Organizing an international conference (Wicked Problems in Socio-Ecological Systems); Making the lab and its resources available to relevant academic courses as well as students’ groups with a design-oriented social mission such as Design for America and Global Architecture Brigades.

2006-2012 University of California, Berkeley.

Graduate Student Researcher (GSR).

- Prof. Agogino, School of Mechanical Engineering – Working on research projects such as: ParticiPlace design competition; Native-CARES: Sustainable design research for the Pinoleville Pomo Nation.
- Prof. AlSayyad, Department of Architecture – Digitizing information and web design. The Traditional Dwelling and Settlements Review as well as other projects.
- Prof. Kalay, Digital Design Research Group: Computer modeling for West Oakland Jazz Project; Background research for the Virtual Sambor Prei Kuk (Cambodia) project and website.
- NanoCity Studio – Course’s GSR.

2005-2006 Tushita Meditation Center – Dharamkot Village, H.P. India.

Different design projects as a freelance Architect:

- Master plan for the whole campus; Retreat accommodation; New main Gompa.

2004-2005 Didi Contractor, Rakar Village, H.P. India.

Ms. Didi Contractor designs and constructs sustainable buildings in Dharamsala area using local materials and traditional building techniques put together to fit contemporary ways of living.

- Participating in the design and construction of a private house built over a year.

2001-2003 The Environmental Simulation Laboratory (ESLab), Porter School for Environmental Studies, Tel-Aviv University, Israel.

- Research assistant. Responsible for the design and creation of a 3D computerized model of Tel-Aviv city and the suburbs, and use it as the base for 3D Schematic Models of Urban Regions and Urban Development used in different research-projects.

2000-2001 The Society for the Protection of Nature in Israel (SPNI).

Environmental Proficiency Program: sponsoring one student chosen from each major university in Israel, for 1 year, combining theoretical discussions and lectures as well as practical work on an project.

2000 Faculty of Architecture and Town Planning, Technion, Haifa, Israel.

Research assistant:

- Professor Rivka Oxman: Development of a case-based reasoning system. Analyzing different architectural precedents, categorizing them and their characteristics. Adding the precedents, testing the system and maintaining it.
- Professor Arza Churchman. Writing literature reviews about social aspects: "Psychological aspects of high-rise housing" and "Housing quality in Israel and around the world".

1999-2000 I-Scraper.com, Israel. After Sales Department.

A web-based management system to improve communication between all parties in construction projects.

- Account manager, responsible for the assimilation of the system in projects.
- Assisting the Quality Assurance team and advising the Development Department about needed features.

1998–1999 Shacham - Computerized Engineering and Information Systems LTD, Jerusalem. Authorized Dealers of Autodesk.

- Product Manager for Autodesk's Software and in-charge of AutoCAD courses in the company.
- Technology Assimilation Advisor consulting architecture and engineering firms.

1998 Lahav Rigg Architects and Town Planners, Jerusalem and Tel-Aviv, Israel.

Paid intern in an architecture firm that combines environmental aspects in their practical planning.

1995 Engineering Department, Netanya City Council, Israel.

Service and Information Department.

Teaching Experience:

Co-Teacher (University of California, Berkeley)

- ARCH101– Design Studio (Spring 2009, with Prof. Cranz)

Graduate Student Instructor (University of California, Berkeley)

- ME290H – Green Product Development: Design for Sustainability (Spring 2013)
- ME110 – Introduction to Product Development (Spring 2013)
- ARCH110 – Social and Cultural Processes in Architecture & Urban Design (Fall 2010, Fall 2011)
- ED1 – People and Environmental Design (Spring 2008)
- ARCH132 – Introduction to Computer-Aided Design in Architecture (Fall 2007)
- ARCH200B – Fundamentals of Architectural Design (Spring 2007)

Teacher Assistant (Technion – Israel Institute of Technology):

- "CAD Systems for Drafting and Modeling in Architectural Design" (2002).
- "Psychology for Architects": Compulsory undergraduate course (2002, 2001).
- "Climate, Energy and Architecture": Compulsory undergraduate course (2001, 2000).
- "Computerized Information Systems: Web-based Design": Graduate course (2001, 2000).

Publications:

- Perez, Y. V.**, Ryan Shelby, Angela James, & Alice Agogino. (2015). Social Factors in the Age of Social Media – A Multidisciplinary Approach. In Georgia Lindsay and Lusi Morhayim (Eds.), *Revisiting Social Factors: Advancing Research into People and Place*. Cambridge Scholars Publishing.
- Edmunds, D. S., Shelby, R., James, A., Steele, L., Baker, M., **Perez, Y. V.**, & TallBear, K. (2013). Tribal Housing, Co-Design & Cultural Sovereignty. *Science, Technology, & Human Values*.
- Shelby, R., **Perez, Y.V.**, & Agogino, A. (2012). Partnering with the Pinoleville Pomo Nation: Co-Design Methodology Case Study for Creating Sustainable, Culturally Inspired Renewable Energy Systems and Infrastructure. *Sustainability*, 4(12), 794–818.
- Perez, Y. V.**, & Ben-David, Y. (2012). Internet as Freedom – Does Internet Enhance the Freedoms People Enjoy? *The Journal of Information Technology for Development*, 18(4).
- Perez, Y. V.**, & Capeluto, I. G. (2009). Climatic considerations in school building design in the hot-humid climate for reducing energy consumption. *Applied Energy*, 86(3), 340–348.

Presentations:

- Perez, Y. V.** (2015) Global Architects Meet the Place: Information and Communication Technology as a Strategy for Co-Design. Environmental Design Research Association Annual Conference (EDRA46), May 2015, Los Angeles, California.
- Perez, Y.V.** (2013) Monitoring Community-Rooted (Design) Projects. Invited talk sponsored by Berkeley Institute for Jewish Law and Israel Studies. 2nd Dutch Workshop—the Kidron/Nar as a research platform Israeli-Palestinian collaborations on the Kidron-Wadi Nar Sustainability and Community projects, Jerusalem, Israel, November 2013
- Perez, Y. V.**, James, A., Carson Jr., E., & Agogino, A. M. (2013) Information and Communication Technologies as a Bridge between Global Designers and Local Users. Presented at the International Workshop on the Future of Trans-Disciplinary Design 2013 (TFTD13), Luxembourg.
- Perez, Y. V.** (2012) ParticiPlace - A Platform for Education, Research and Community Work in Sustainable Building Design. 2012 California Higher Education Sustainability Conference, June 2012, UC Davis, California.
- Shelby, R., **Y. V. Perez**, A. Agogino (2011). Co-Design Methodology for the Development of Sustainable and Renewable Energy Systems for Underserved Communities: A Case Study With the Pinoleville Pomo Nation, *Proceedings of ASME DETC 2011*, ASME, CD ROM DETC2011-48661; pp. 515-526.
- Perez, Y. V.** (2011) Global Architects Meet the Place: Bridging the Gap through Information and Communication Technology. Environmental Design Research Association Annual Conference, May 2011, Chicago, Illinois.
- Cranz, G., G. Lindsay, L. Morhayim, **Y. V. Perez** (2011). Post-Occupancy Evaluation of the Dellums Federal Building: User Acceptance of Sustainability Features. Environmental Design Research Association Annual Conference, Chicago, Illinois. May 2011.
- Perez, Y. V.** (2011) Design Workshop Vs. Design Charette – How to Make the Community an Active Part of the Design Process. *The Death + Life of Social Factors: Reexamining Behavioral And Cultural Research In Environmental Design*. Berkeley, California. April—May 2011.
- Schultz T., R. Shelby, **Y. V. Perez**, A. Agogino, C. Bayley, T. Liu, D. Rhoads, B.T. Nguyen. (2009). “The Design of Energy- and Water-Efficient Housing with the Pinoleville-Pomo Nation”. Poster Presented at the American Indian Science and Technology Conference.
- Agogino A, N. AlSayyad, K. Lau, **Y. V. Perez**, T. Schultz, R. Shelby (2009) “Sustainability Engineering Research in Saudi Arabia.”. Poster presented at the *ME Advisory Board meeting*, UC Berkeley, California. October, 2009.
- Agogino A, N. AlSayyad, K. Lau, **Y. V. Perez**, T. Schultz, R. Shelby. “Research to Support the Development of a Sustainability Engineering Infrastructure in the Kingdom of Saudi Arabia”. (January, 2009). Collaborative Research Symposium, UC Berkeley, California.
- Perez Y. V.** "Designing School Buildings to fit Tel-Aviv's Climate" (June, 2003). Paper presented at the *Education, Energy and Environment Conference*, Interdisciplinary Center for Technological Analysis and Forecasting, Tel-Aviv University.
- Perez Y. V.** and Benenson I. (2002) "New Approach to 3D Thematic Mapping", Poster session, EURESCO Conference on Geovisualisation, Albufeira. Portugal.

Perez Y. V. "Environmental Information in 3 Dimensional Simulations" (December 2001). Paper presented at the *Israel Geographical Association Conference*. Tel-Aviv.
Oxman R. E. and **Perez Y. V.** (2002) "On Winds", Poster session, Meital Conference on E-Learning, Technion, Israel.

Language Proficiencies:

Hebrew, French - Mother tongue; **English** - Very good; **Hindi, Italian** – Basic.

General:

- **Volunteer at Creativity Explored—Where art changes lives.** Working with artists with mental disabilities. San-Francisco, California (2015).
- **Volunteer teacher** of computer education for young women in rural India (2004-2006)
- **Social and Environmental Forum, the Israel Association of the United Architects.** A group of architects working together in their free time on issues related to environment and community (2002-2003).
- **Israel Eco-Rally.** Participant in the 1st Israeli cross country bicycle tour for environmental causes and ecological collaboration between Israelis and Palestinians. (March 2002).
- **Volunteering in ETGARIM-** "Challenge - Israel outdoor sports and recreation association for the disabled". Riding tandem bicycles with blind adults (2002-2003).
- **Mountain Bike, Road Bike, and Triathlon Competitor:** Among others: 1st place in Tel-Aviv Triathlon, July 2003; 1st place in the Golan Sprint Mountain Bike Competition, June 2001.
- Two years compulsory military service in the Intelligence Corps (1990-1992).