

Dec 2024

Barak Pelman Senior lecturer (Assistant Professor)

Curriculum Vitae

1. Personal Details

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2. Higher Education

2019 – 2024	The Hebrew University, Ph.D. My interdisciplinary doctoral research, "The Role of Materials and Craftsmanship in Architectural Education," was conducted at the School of Computer Science in collaboration with the Department of Sociology and Anthropology and combines methods and theories from three fields: human-computer interaction (HCI), design education, and the crafts sciences.
2008 - 2009	Architectural Association Graduate School, London, MSc Sustainable Environmental Design
2003 - 2004	Helsinki University of Technology (HUT), School of Architecture, "The Wood Program", Helsinki
2000 - 2006	Azrieli School of Architecture, Tel Aviv University, B.Arch, <i>Magna Cum Laude</i>

3. Academic Ranks

2023 - current	Bezalel Academy of Arts and Design, School of Architecture, Senior lecturer with tenure
2019 – 2023	Bezalel Academy of Arts and Design, School of Architecture, lecturer with tenure
2015 - 2016	Technion, Israel Institute of Technology, Faculty of architecture and town planning, Adjunct Lecturer
2012 – 2019	Bezalel Academy of Arts and Design, School of Architecture, Adjunct Lecturer
2011 - 2012	Bezalel Academy of Arts and Design, School of Architecture, Teaching Assistant
2009 – 2011	Architectural Association Graduate School London, Lecturer

4. Offices in Academic Administration

2023	Member , the committee for the examination of academic programs' structure, Bezalel's Senate
2022 - current	Director , Hybrid Pedagogy Lab, Bezalel Art and Design Teaching Center The lab engages in applied academic research and develops new pedagogical approaches, tools, and methods, integrating advanced digital processes and improving accessibility to learning for underrepresented communities.
2019 – 2021	Head of Advanced Studies , Responsible for developing the academic and the pedagogic aspects of the 4 th and 5 th years courses of the B.Arch Program. School of Architecture, Bezalel
2016-2019	Academic Coordinator , Second year of the B.Arch program. School of Architecture, Bezalel
2017 – current	Member of Bezalel Art and Design Teaching Center
2014 – 2016	Member of Senate, Bezalel , School of Architecture representative
2013 – 2015	Department Academic Committee , School of Architecture, Bezalel

5. Teaching

Teaching in Bezalel School of Architecture

Year	Name of Course	Type of Course	Degree
2024	Digital Crafts	Mandatory practice	B.Arch
2022	Barcelona City-Forest	Five days intensive workshop	B.Arch
2020, 2023	Final Project studio	Studio	B.Arch
2017 – current	The Architect-Maker	Designbuild Studio	B.Arch
2016-2019	Intro. Studio C: Housing	Studio	B.Arch
2016-2019	Intro. Studio D: To live in the city	Studio	B.Arch
2016-2019	Small is Beautiful	International Workshop	B.Arch
2013-2015	Agora	International Workshop	B.Arch
2011-2015	Sustainable Design	Course	B.Arch
2015	Digital Methodologies for Sustainable Design	Course	B.Arch

Teaching in other institutions

<i>Year</i>	<i>Name of Course</i>	<i>Type of Course</i>	<i>Program</i>
2023	Digital Tools for Sustainable Design	International Workshop	March. IAAC Advanced Ecological Buildings and Biocities
2021	Transferring Elasticity	International Workshop	B.Des Jan Matejko Academy of Art and Design Krakow
2015	Elective vertical studio	Studio	B.Arch Technion
2010 - 2011	Design & Make	Studio	MSc Architectural Association Graduate School, London
2009-2010	What Can Buildings Tell US	Studio	MSc Architectural Association Graduate School, London

6. Publications

Academic (peer-reviewed, published)

2024	Madan., E., Pelman, B., (2024), New line: A new gaze-contingent digital reading interface, IUCEL Annual Conference proceedings , 204-2011
2023	<p>Pelman, B., Bar-Amotz, S., Asterhan, C., & Saba, J. (2023). Learning through the eyes of another: Online Instruction of Craft Skills Using Eye-Tracking Technology. FormAkademisk, 16(4). https://doi.org/10.7577/formakademisk.5376</p> <p>Pelman, B., Zoran, A. R., (2023) Informal learning in architectural education through sociomaterial approaches: Towards a network-based pedagogy in design education, The Design Journal, 26:5, 776-797, DOI: 10.1080/14606925.2023.2238356</p>
2022	<p>Pelman, B., Zoran, A. R. (2022). Material-Driven Architectural Pedagogy: A sociomaterial perspective. FormAkademisk, 15(1). https://doi.org/10.7577/formakademisk.4787</p> <p>Pelman, B. (2022) Architectural Prototyping in Architectural Education: How design knowledge is constructed within physical-digital hybrid environments, The Design Journal, 25:3, 481-489, DOI: 10.1080/14606925.2022.2053421</p>
2018	Pelman, B., (2018), Consensus Decision-Making in DesignBuild Projects, Cumulus Paris Proceedings 2018
2017	Persov, e., Yehuda, R., Kantor, R., Pelman, B., (2017) PBL 2.0 Interdisciplinary, multicultural transformative sustainable education for design students, The Design Journal , Vol 20 link

Professional (non-peer-reviewed, published)

2016	B. Pelman, Passive Cooling and Heating Evaluation techniques , Ministry for Environmental Protection, Israel (Hebrew) link
2015	B., Pelman, Erez., E., Urban Planning and Green Buildings , Ministry for Environmental Protection, Israel (Hebrew) link B., Pelman, Erez., E., Urban Planning and Green Buildings , Tichnun, 12:1 (Hebrew) Pelman, B., will green today will be green tomorrow? Alaxon, (Hebrew) link
2014	B., Pelman, Keren, S., Carmit, L., The Applicability of the Israeli Green Building Standard to Retrofit Projects , Ministry for Environmental Protection, Israel (Hebrew), link
2013	Keren, S., B., Pelman, R., Daniel The Applicability of the Israeli Green Building Standard Multi-Residential Buildings , Ministry for Environmental Protection, Israel (Hebrew), link B., Pelman, Kutuk O., Jerusalem Sustainability Report . Tichnun, 10:1 (Hebrew)
2012	B., Pelman, Israeli Green Building Standard Technical Guide (Energy and Well Being Chapters), Israeli Green Building Council, (Hebrew) link

Book Chapters

2016	B. Pelman, Sustainability: an intrinsic part of architectural design? In Meseinas, E., and Price, D.(ED), Ecweek: The book #1: 50 Voices of Sustainability . Pp.180-186
2016	B., Pelman, Will Today's Green Still Be Green Tomorrow, in Knafo. D (ED), Fields of Tomorrow. Towards a New Modernity . Pp.64-65

7. Invited Lectures \ Colloquium Talks

<i>Date</i>	<i>Name of Forum</i>	<i>Place of Lecture</i>	<i>Presentation / Comments</i>
17.11.24	Doctoral colloquium	University of Music and Performing Arts Vienna	Art and Design Education in Wartimes
30.8.24	Art and Resistance, Erasmus + Project	University of Applied Arts Vienna	Art and Resistance, Art and Design Education in Wartimes
25.10.2023	Northern Baltic Academy of Architecture (NBAA)	Tallinn Estonia	Network-Based Pedagogy in Design Education
25.11.2021	MAEEB Colloquium	IAAC (Valldaura Labs) Barcelona Spain	Designbuild projects in Bezalel

8. Academic Conferences

Conferences in Israel

<i>Date</i>	<i>Name of Conference</i>	<i>Place of Conference</i>	<i>Lecture</i>	<i>Role</i>
24.7.2024	IUCEL Annual Conference 2024	Tel Aviv	New line: A new gaze-contingent digital reading interface	Co-presenter
21.3.2022	Between Worlds, Bezalel Art and Design Teaching Center Conference	Jerusalem	Object Oriented Pedagogy	Workshop leader
27-30.4.21	International Conference of the First Tel Aviv Biennale of Crafts & Design	Online Muza – Eretz Israel Museum	Crafting the Future, Dialogues between Past and Present	Presenter
1.7.2020	18th Annual MEITAL Conference on Teaching and Learning Technologies Accelerating Higher Education: Trends and Developments	Online		Presenter
23.5.2019	Design-Research Conference, Department of visual and material culture and Bezalel Arts and Design Teaching Center.	Jerusalem	Design reads Research	Panel Chair
10.1.2018	Creative Collaboration, Art, Design, and Human-Robot Interaction	Beer Sheva	Can Robots Change the Way Architects Work?	Presenter

Conferences outside Israel

<i>Date</i>	<i>Name of Conference</i>	<i>Place of Conference</i>	<i>Lecture</i>	<i>Role</i>
20-22.9.23	Biennale International Conference for the Craft Sciences (BICCS)	University of Gothenborg, Sweden	Learning through the eyes of another – online instruction of craft skills using eye-tracking technology	Presenter

29-31.3.2023	New Agendas for Design: Principles of scale, practices of inclusion	Lisbon/ Online	When Materials Take Control	Presenter
29-31.3.2023	New Agendas for Design: Principles of scale, practices of inclusion	Lisbon/ Online	Informal learning in architectural education: A study on complex ecologies of learning agents	Presenter
26-28.4.2023	Applying education: Teaching and Learning AMPS conference	Toronto / online	Informal learning in architectural education: A study on complex ecologies of learning agents	Presenter
25.6.2022	DRS Annual Conference	Bilbao, Spain	How design knowledge is constructed within the hybrid digital-physical environment	Presenter
8-11.6.2021	Design Culture, Cumulus	Online (Rome)	Material Driven Design	Presenter
21-23.4.2021	Online Education: Teaching in a Time of Change, AMPS, Routledge, and PARADE	Online	The Missing Corridor, Online Education: Teaching in a Time of Change	Presenter
2.4.2021	Art School Pedagogy 2.0 Symposium	Online, Teachers college, Columbia University USA	Being together (Alone)	Presenter
7-8.11.2019	AICAD Symposium	Los-Angeles, USA	Pedagogy of Deep Differences	Presenter in a Panel
7-10.11.2018	AICAD Symposium	Chicago Illinois	Artists/ Designers/ Citizen	Presenter in a Panel
11-13.4.2018	To-Get-There, Cumulus Conference	Paris	Consensus Decision-Making in DesignBuild Projects	Presenter

Organisation of Conferences or Sessions

<i>Date</i>	<i>Name of Conference</i>	<i>Place of Conference</i>	<i>Comments / Name of presentation</i>	<i>Role</i>
22.9.22	DEL2022 conference (PennState College of Arts, The New School Parsons, Texas State University, and University of the Arts London)	online	Between Worlds	Panel Organizer
21.3.2022	Between Worlds, Bezalel Art and Design Teaching Center Conference	Jerusalem	Object Oriented Pedagogy	Conference Co-organizer
23.5.2019	Design-Research Conference, Department of visual and material culture and Bezalel Arts and Design Teaching Center.	Jerusalem	Design Reads Research	Conference Co-Organizer together with Prof. Ori Bartal and Arch. Liat Brix Etgar
2014	ILGBC Annual Conference	Tel Aviv	Sustainability in academia	Co-organizer together with ILGBC

9. Professional Conferences

<i>Date</i>	<i>Name of Conference</i>	<i>Place of Conference</i>	<i>Subject</i>	<i>Role</i>
2016	Israeli Green Building Council (ILGBC) Annual Conference	Tel Aviv	Small is Beautiful (course presentation)	Presenter
2015	ILGBC Annual Conference	Tel Aviv	The Revision of the Israeli Green Building Standard	Presenter
2015	Israeli Planning Association Annual Conference	Beer Sheva	Green building and urban planning	Presenter
2014	ILGBC Annual Conference	Tel Aviv	Bezalel Architecture Research Unit: Architecture, Environment and Construction	Presenter
2013	ILGBC Annual Conference	Tel Aviv	Green Architectural Project to come	Panel Chair

	Israeli Planning Association Annual Conference	Beer Sheva	Jerusalem Sustainability Survey	Presenter
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10. Research Groups

2019 – 2021	Craft Pedagogy in the 21st Century collaboration between CAA (China), RISD (USA), and Bezalel (Israel)
2019 – current	Design Hybrid Lab research group, Benin School of Computer Science and Engineering, The Hebrew University
2017 – 2019	Research Member, Teachex , EU, Erasmus + Program to promote teaching excellence, link
2015 – 2017	Founding member , Bezalel Interdisciplinary Group for Applied Sustainable Design

11. Scholarly Position and activities outside the institution

2022 – current	Cost Experts , European Cooperation Science and Technology (EU)
2019 – 2020	Researcher consultant , Ministry of Construction and Housing
2017 - 2018	Member , National Technical Committee, Habitat for Humanity India
2015 – 2016	Researcher consultant , Ministry of Environmental Protection
2014 - 2018	Member , Forum-15 committee for sustainable construction
2014 – 2016	Member of an expert committee , Standards Institute of Israel
2012 – 2016	Member , Israeli Architects Organization
2011 – 2018	Green Buildings and micro-climate consultant , Local planning authorities of Tel Aviv, Ramat Gan, Bat Yam, Beer Sheva, Netivot
2011 – 2019	Researcher , Israeli Green Buildings Council (ILGBC)
2007	Member , "Bimkom - Planners for Planning Rights," for the allocation of adequate, accessible housing, Tel Aviv

12. Grants

2023	Ministry of Education research grant (together with Prof. Adam Lefstein and Dr. Zvi Beckerman), Teaching Skills in the Design Disciplines, 680K NIS
2015	Ministry for Environmental Protection research grant no. 124-1-3, Urban Planning and Green Buildings, 100K NIS link
2014	Ministry for Environmental Protection research grant no. 113-3-1, Implementing SI 5281: Renovation of Existing Residential Buildings, 50K

	NIS link
2013	Ministry for Environmental Protection research grant no. 113-4-1, Implementing SI 5281: Multi-Residential Buildings, 50K NIS link

13. Scholarships, Awards and Prizes

2017	Bezalel Award, excellence in teaching for Adjunct lecturers (7000 NIS)
2008	Architectural Association Bursary (~4000 GBP) Anglo-Jewish Association scholarship (~ 1000 GBP)
2006	Third prize, Israeli Ministry of Education prize for the design of educational buildings
2004	First prize, wooden bridge design competition, Helsinki University of Technology

14. Exhibitions

2015	Group Exhibition (with "Agora" project members), Villa Mediterranea, Marseille
2008	Group exhibition (with "IRBUL" group), the first international biennale of architecture in Bat-Yam, Israel
2006	Group exhibition, "The Wood Program Exhibition," Helsinki Museum of Architecture, Finland

15. Projects (Private)

*All the projects listed below were done in my private practice, with or without collaborators.

a. Architectural design and planning

<i>Year</i>	<i>Client</i>	<i>Role</i>	<i>Details</i>
2013	Tel Aviv Municipality	Co-leading architect (With Arch. Guy Teomi and Ur Platforms)	Urban renewal strategy plan for Yad Eliyahu
2012	Regional Council Ramat Negev	Co-leading architect (With Arch. Guy Teomi)	Urban Landscape Design for Beer Milca
2012	Amigur	Co-leading architect (With Arch. Guy Teomi)	Design proposal for new students' dormitory in Keriat Shmona, 7500 m ²
2011	Private	Principle architect	2 Private houses in the village of Hukook
2011	Private	Co-leading architect (With Arch. Guy Teomi)	Design proposal for a mix use tower in Beer Sheva, 17,000 m ²

		and Marash Architects)	
2010	Private	Principle architect and builder	Studio for an artist in London

b. Architectural Competitions

<i>Year</i>	<i>Client</i>	<i>Role</i>	<i>Details</i>
2014	Israeli Judiciary	Environmental Consultant	The City of Justice (Principle Architects: Studio Pez) 1st Prize
2014	Holon Design Museum	Co-leading architect (with Arch. Jonathan Netanian and Super Pool)	Invited competition, Urban Shadow Device (Not awarded)
2013	Tel Aviv Municipality	Co-lead architect (With Arch. Guy Teomy and Ur Platforms)	Planning strategy for Ramat Aviv A (Not awarded)
2012	Ramat Yishay Municipality	Co-leading architect (With Arch. Guy Teomi)	Yad lebanim (Not awarded)
2011	Beer Sheva Municipality	Co-leading architect (With Arch. Guy Teomi and Marash Architects)	Invited competition, Design of a new museum and sculpture park (Not awarded)

c. Urban microclimate consultancy (selected works)

<i>Year</i>	<i>Client</i>	<i>Role</i>	<i>Details</i>
2019	Private	Principle Environmental Consultant	Microclimate analysis for a 25 floor Tower in Nesher
2018	Private	Principle Environmental Consultant	Microclimate analysis for a 21 floor Tower in Hadera
2018	Private	Principle Environmental Consultant	Microclimate analysis for a 16 floor Tower in Hadera
2017	Binyamina municipality	Principle Environmental Consultant	Microclimate analysis for an urban renewal plan GIVAT HEN, 61 Dunam
2016	Kefar Saba municipality	Principle Environmental Consultant	Microclimate analysis for an urban renewal plan KISUFIM 30 Dunam
2013	Bat Yam Municipality	Principle Environmental Consultant	Microclimate analysis for an urban renewal plan Hagiborim Compound
2015	Harel Insurance	Principle Environmental Consultant	Microclimate analysis for Harel Tower in Ramat Gan, 42 floors

