

Arch. Dr. Eran Kaftan

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CURRENT POSITION

A founding director of **Research & EcoDesign**;
and a consultant for Building Energy Conservation and Sustainability, since 2003.

EDUCATION

Ph.D., Ben-Gurion University of the Negev, the Desert Architecture and Urban Planning Unit, Israel, 2013.

M.Arch., (GPA: 4.00), University of Arizona, College of Architecture, Design & Energy Conservation Program, Arizona, 2001.

B.Arch., University of Arizona, College of Architecture, Arizona, 2000.

GREEN BUILDING CERTIFICATION

Green Building Approved Professional, (as an Expert Teacher), the Israeli Standard Institute, 2008.

Coordinator for Examining the Requirements according to the **Israeli Green Building Rating IS 5281**, the Israeli Initiative for Sustainable Built Environment, iISBE, 2007.

TEACHING

Lecturer at Green Building Course, from Theory to Practice, **Bezalel Academy of Arts and Design and the Israeli Green Building Council (ILGBC)**, since 2012.

Lecturer at the Course for the Israeli Green Building Standard (IS 5281), the **Standard Institution of Israel**. 2007-2011.

Senior Lecturer of the Bioclimatic Architecture and Daylighting Classes at **Shenkar College of Engineering and Design**, Dep. of Interior, Building, & Environment Design, 2004-2006.

Teaching Assistance, College of Architecture, the **University of Arizona**, 1998-2000.

INVENTION

Inventor of innovative model for calculating optimal shading form, which was published in several international conferences, and was integrated within the simulation programs: Ecotect (2003; **Autodesk Ecotect** since 2008) and **Shaderade** (of Harvard university, 2011).

INTERNATIONAL CONFERENCES PRESENTATIONS

The Cellular Method to Design Energy Efficient Shading Form to Accommodate the Dynamic Characteristics of Climate. - **The 18th Conference on Passive and Low Energy Architecture (PLEA 2001)**. Florianopolis, Brazil, 2001.

Integrating the Cellular Method for Shading Design with a Thermal Simulation. **The International Conference on Passive and Low Energy Cooling for the Built Environment (PALENC 2005)**, Santorini, Greece, 2005.

Practical Research Supporting Climatic and Sustainable Design in Zin School. **The 4th International Conference on Drylands, Deserts and Desertification, (DDD 2012)**, Ben-Gurion University, Israel, 2012.

PUBLICATIONS

Kaftan, Eran. 2012. *Daylighting for Visual Comfort and Energy Conservation in Offices and the Development of Methodologies for Research in Architectural Practice*. **A Ph.D. Dissertation**. Ben-Gurion University of the Negev, Israel.

Erell Evyatar, & Kaftan, Eran. 2011. *Daylighting for Visual Comfort and Energy Conservation in Offices in Sunny Locations*. **A Research Report & Guidelines for Designers**. Ministry of National Infrastructures, Israel.

Eran Kaftan. 2001. *The Cellular Method to Design Energy Efficient Shading Form to accommodate the Dynamic Characteristics of Climate*. **Master Thesis (Grade: Superior)**. The University of Arizona.

Kaftan, E. and Ben-Aharon R. 2005. Passive – Yet Not Indifferent: Cellular Shading Method. **Architecture of Israel** (Architectural Quarterly). No. 62, pp 51-55.

Kaftan, Eran. 2005. Canyon-Space Residence: Living Space Embedded within the Natural Environment. **Perspective** (the Israeli Architects Association Periodical). No. 21, p 48.

AWARDS

Project of the Year 2012, in Research Category: the Emilio Ambasz Award for Green Architecture. "Positioning Workstations in Sunny Areas". Published in *Architecture of Israel* (Architectural Quarterly). No. 91, pp 65 & 68. 2012.

First Place, in a Medium-size Buildings Category, the 3rd International Conference for Green Building, Israel (managed by Bait Venoy), "Zin School" (with Levin Architects), 2012.

First Place, Young Architects Exhibition, the Israeli Architects Association, "Canyon-Space Residence", 2004.

Second Prize, Arizona Masonry Guild Design Competition, 1999.

First Place, Product Design Competition, Vider Company, 1996.

EXHIBITIONS

Urban Space Exhibition. **The Israeli Association of United Architects**. "Zin School", 2011.

Third Biennale for Young Israeli Architects (40/40), "Canyon-Space Residence: Living Space Embedded within the Natural Environment", 2005.

EMPLOYMENT

Urban Planner, at **Leo A Daly**, Phoenix, Arizona, 2001.

Architect, at **Kones Architects**, Solar Architecture, Ecological Urban and Regional Planning, Beer-Sheva, Israel. 1997-1998.

AFFILIATION

The Israeli Green Building Council – **ILGBC**.

International Initiative for a Sustainable Built Environment – **iISBE**.

The Israeli Association of United Architects.