

*Curriculum Vitae*

## Ilan Kadar

### Personal details

Name Ilan Kadar  
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### Education

2009 - present Ph.D. Student in Computer Science  
Ben-Gurion University of the Negev, Beer-Sheva, Israel  
Thesis: Scene Gist Recognition from Perceptual Relations  
Advisor: Prof. Ohad Ben-Shahar

2007 - 2008 M.Sc. in Computer Science  
Graduated *Summa Cum Laude*  
Ben-Gurion University of the Negev, Beer-Sheva, Israel  
Thesis: Evolving Boundary Detectors via Genetic  
Programming.  
Advisors: Prof. Moshe Sipper  
Prof. Ohad Ben-Shahar

2004 - 2006 B.Sc. in Computer Science  
Graduated *Summa Cum Laude*  
Ben-Gurion University of the Negev  
Beer-Sheva, Israel

### Honors and Awards

2013 Best Graduate Research Project Award in the Israel  
Machine Vision Conference (IMVC) 2013.

2012 Intel Award for Excellence - Ph.D. students, Israel.

2012 Friedman Award for Exceptional Achievements - Ph.D.  
students, Dept. of Computer Science, Ben-Gurion  
University of the Negev.

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| 2012        | Selected Participant in the Doctoral Consortium of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2012. |
| 2009-2012   | NEGEV Scholarship for Outstanding Students - Ben-Gurion University of the Negev.   |
| 2008-2013   | Research Excellence Fellowship Award - Dept. of Computer Science, Ben-Gurion University of the Negev.                          |
| 2004 - 2006 | Honors Program for Outstanding Students - Dept. of Computer Science, Ben-Gurion University of the Negev.                       |

## **Publications**

- I. Kadar** and O. Ben-Shahar. (2013). From Perceptual Relations to Scene Gist Recognition, *IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Scene Understanding Workshop*.
- I. Kadar** and O. Ben-Shahar. (2013). SceneNet: A Perceptual Ontology Database for Scene Understanding, *The Annual meeting of the Vision Science Society (VSS)*.
- I. Kadar** and O. Ben-Shahar. (2012). A perceptual paradigm and psychophysical evidence for hierarchy in scene gist processing, *Journal of Vision (JOV)*.
- I. Kadar** and O. Ben-Shahar. (2012). Small sample scene categorization from perceptual relations, *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*.
- I. Kadar** and O. Ben-Shahar. (2012). Learning perceptual relations for categorizing natural scenes from few training examples, *The Annual meeting of the Vision Science Society (VSS)*.
- I. Kadar** and O. Ben-Shahar. (2011). A new perceptual paradigm and psychophysical evidence for hierarchical gist recognition, *The Annual meeting of the Vision Science Society (VSS)*.

**I. Kadar**, O. Ben-Shahar, and M. Sipper. (2009). Evolution of a Local Boundary Detector for Natural Images via Genetic Programming and Texture Cues, *Genetic and Evolutionary Computation Conference (GECCO)*.

**I. Kadar**, O. Ben-Shahar, and M. Sipper. (2008). Evolving Boundary Detectors for Natural Images via Genetic Programming (*International Conference on Pattern Recognition (ICPR)*).

## **Research Interests**

Computer Vision, Machine Learning and Human Visual Perception.

## **Professional Experience**

2007 – 2010

*Imaging Machines- the 4<sup>th</sup> Generation (IMG4) Project:*  
Algorithm Designer and Developer of an Automatic Defect Classifier (ADC) in the SEM division, Applied Materials, Inc. (AMAT).

## **Research Experience**

2007 – present

Interdisciplinary Computational Vision Laboratory (ICVL) at Ben-Gurion University.

## **Teaching Experience**

2007 – present

Lecturer: Introduction to Computer Science.  
Teaching Assistant: Android Development for Computer Vision Apps, Introduction to Computer Science and Data Structures.