



Name: Moshe Butman  
School of Computer Science

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The College of Management Academic Studies

## Curriculum Vitae

### Personal Details:

Academic Degree: Ph.D.

E-mail: moshebu@colman.ac.il

### Higher Education:

**2004- 2009 : Ph.D, Bar Ilan University, Ramat-Gan, , Israel**

Thesis supervisors: Prof. Amihod Amir and Dr. Shai Avidan.

Thesis topic: Object detection and recognition.

**1998-2000: M.Sc. (cum laude), Computer science, Bar Ilan University, Ramat-Gan, , Israel**

Thesis supervisors: Dr. Hagit Hel-Or

Thesis topic: Multi-level watermarking with Independent decoding.

**1989-1993: B.Sc.: Mechanical engineering, Technion, Haifa, Israel.**

Specializations: Software and control systems.

### Academic Ranks and Tenure in Institutes of Higher Education

Dates	Name of Institution and Department	Rank/Position
2010 - Today	School of Computer Science, College of Management Academic Studies	Lecturer
2020 - 2021	Computer Science Department, Bar-Ilan University	Lecturer – External acaemic staff
2021	Computer Science Department, IDC	Lecturer – External acaemic staff

## Teaching :

**2010 – Today : Lecturer in Computer science school – College of management, Academic studies.**

### Current Courses :

Deep Learning

Advanced topics in Deep Learning

Machine Learning and Data mining

Deep learning seminar

Supervision of final projects

### Past Courses:

Advanced Algorithms

Image Processing

Digital Information Processing

**2020 – 2021 : Lecturer (External academic staff) in Computer science department – Bar Ilan University**

Reinforcement Learning

Deep Learning

**2021 : Lecturer (External academic staff) in Computer science department – IDC, Herzliya**

Reinforcement Learning

## Publications:

1. Can Artificial Intelligence Achieve Human-Level Performance? A Pilot Study of Childhood Sexual Abuse Detection in Self-Figure Drawings, Kissos Limor, Goldner Limor, Butman Moshe, Eliyahu Niv , Lev-Wiesel Rachel, Child Abuse & Neglect, **Volume 109, November 2020, 104755**
2. Orna Muller, Ayelet Butman, Moshe Butman, **Opening a (sliding) window to Advanced topics**, ITICSE17 conference on Innovation and Technology in Computer Science Education, Pages 52-57
3. Taeg Sang Cho, Moshe Butman, Shai Avidan, William T. Freeman, **The patch transform and its applications to image editing**. Computer Vision Pattern Recognition (CVPR) 2008.  
**Best poster award, CVPR 2008.**

4. Moshe Butman, Jacob Goldberger, . **Face recognition using classification based linear projections.** EURASIP Journal on Advanced in Signal Processing, 2008.
5. Shai Avidan, Moshe Butman. **Efficient methods for Privacy Preserving Face Detection.** Advanced in Neural Information Processing Systems (NIPS),57-64, 2006.
6. Shai Avidan, Moshe Butman. **Blind Vision.** European Conference On Computer Vision (ECCV), 2006.
7. Shai Avidan, Moshe Butman. **The power of feature clustering: An application to object detection.** Neural Information Processing Systems (NIPS), 2006.
8. Moshe Butman, Hagit Zabrodsky Hel-or. **Multi-level watermarking with Independent decoding.** International Conference On Image Processing (ICIP), (2):514-517, 2001.

### **Membership on scientific editorial boards of academic publications:**

Program Committee member of IEEE workshop on applications of Computer Vision (WACV) 2009

### **Awards:**

**Best poster award, CVPR 2008,** (Taeg Sang Cho, Moshe Butman, Shai Avidan, William T. Freeman, **The patch transform and its applications to image editing.**)

### **Professional Experience :**

01/2008 – Today :Video-Inform, VP Research/CTO , Responsible of Research and development of a novel technology in the field of object detection in images and video, Machine learning and Data analysis

11/2000 – 12/2007: Vigilant, Algorithms team leader/Algorithms member team, R&D of computer vision algorithms (e.g. face detection, etc.)

1999 – 2000 – i-scraper, Engineer in technologies team

1993 – 1999 – IDF, project engineer, project management

## Patents

"Method for secure object detection in images", S. Avidan, M.Butman, A.Butman, United States Patent 7577252

"Method for secure background modeling in images", S. Avidan, M.Butman, A.Butman, United States Patent 7372975

"Method for secure component labeling in images", S. Avidan, M.Butman, A.Butman, United States Patent 7391905