

Name: Moshe Butman
Computer Science School, Colman

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CURRICULUM VITAE

1. Personal Details : :

Electronic Address: moshebu@colman.ac.il

2. Higher Education

A. Undergraduate and Graduate Studies

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.

B. Doctoral Degree and Post-Doctoral Studies 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.

3. Academic Ranks and Tenure in Institutes of Higher Education

Dates	Institution and Department	Rank/Position
1999	Bar – Ilan University	Teaching Assistant
2000	Haifa University	Teaching Assistant
2010 - today	College of Management	Lecturer

4. Scholarly Positions and Activities outside the Institution

Membership on scientific editorial boards of academic publications:

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

5. Scholarships, Awards and Prizes

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

6. Teaching

a. Courses Taught in Recent Years

Year	Course Name	Type: Lecture/Seminar/Workshop/ High Learn Course/Introduction	Degree	No. of Students
2010-2016	Machine Learning and Data Mining	Lecturer		
2012-2016	Digital Information processing	Lecturer		
2012-2016	Image Processing	Lecturer		
2013-2016	Advanced Algorithms	Lecturer		

7. Professional Experience

01/2008 – Today :Video-Inform, VP Research, 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-scrapet, Engineer in technologies team

1993 – 1999 – IDF, project engineer, project management

PUBLICATIONS

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

A. Ph.D. Dissertation

Object Detection and Recognition. Supervisors: Prof. Amihood Amir and Dr. Shai Avidan.

B. Summary of My Research Activities and Future Plans

My main research is in the area of computer vision and is especially focused on using machine learning methods for object detection and classification.

In the last year my research was focused and applied unsupervised machine learning method such as clustering for image segmentation using schemes of feature extraction using deep learning architectures.

In parallel to this research I have started investigating a specific classification problem for text categorization which deals with predicting popularity rate of an article.

Other topic that I research is video watermarking. In this research I research for good features that will serve as robust anchors against different 'attacks'.

During the coming year I plan to more deeply focus on the field of deep learning and especially I want to explore how to use learning machine approaches to the known string matching problem.
