



Name: Moshe Butman
Faculty of Computer Science

Date:02/2022

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 - Today	Computer Science Department, Bar-Ilan University	Lecturer – External academic staff

2021- Today	Computer Science Department, IDC	Lecturer – External academic staff
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Teaching :

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

Current Courses :

Computer vision based 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 – Today: Lecturer (External academic staff) in Computer science department – Bar Ilan University

Reinforcement Learning

Deep Learning

2021– Today: 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