Tali Dekel
Curriculum Vitae

Mail
tdekel@google.com
talidekel@csail.mit.edu
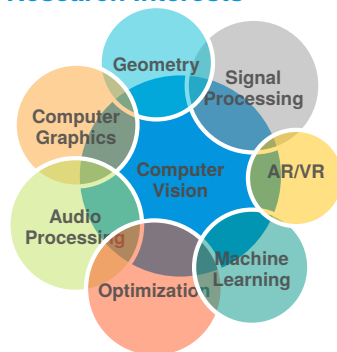
Phone
+1-617-505-0682

Website
people.csail.mit.edu/talidekel

Research Interests

Languages
English ★★★★★
Hebrew ★★★★★

Experience and Education

2016-Now **Senior Research Scientist**
Google Inc., Machine Perception Group
Research at the intersection of computer vision, computer graphics and machine learning.
Manager: Prof. William T. Freeman

2014-2016 **Postdoctoral Associate**
MIT Computer Science & Artificial Intelligence Lab (CSAIL)
Host: Prof. William T. Freeman

2009-2015 **Ph.D. Electrical Engineering**
Tel-Aviv University, Israel
Direct track towards a Ph.D. in computer vision.
Thesis: From Camera-Array to CrowdCam
Advisors: Prof.Yael Moses and Prof. Shai Avidan

2010 **Intern**
Disney Research, ETH University, Switzerland
Host: Prof. Wojciech Matusik

2007-2009 **M.Sc. Electrical Engineering, cum laude**
Tel-Aviv University, Israel
Direct track toward an M.Sc. in computer vision and image processing
Advisors: Prof. Yael Moses and Prof. Nahum Kiryati

2004-2007 **B.Sc. Electrical Engineering, cum laude**
Tel Aviv University, Israel
Major in signal processing, software engineering

Honors & Awards

2019 **Best Paper Award**
ICCV (Granted to one paper out of more than 4000 submissions)

2019 **Best Paper Honorable Mention Award**
CVPR (Granted to two papers out of more than 5000 submissions)

2019 **SAMSON - Prime Minster's Researcher Recruitment Prize**
Keren Hayesod
https://www.fuelchoicessummit.com/Award.aspx

2015 **Rothschild Postdoctoral Fellowship**
Yad-Hanadiv
http://yadhanadiv.info/recipient/tali-dekel

2014 **The National Postdoctoral Award for Advancing Women in Science**
The Weizmann Institute
https://www.weizmann.ac.il/WomenInScience/

2013 **Prof. Norman W. Rosenberg Memorial Prize**
Tel-Aviv University

2009 **Excellence Scholarship of Tel Aviv University's School of Electrical Engineering**
Tel-Aviv University

2005 **RAD scholarship for B.Sc. in Electrical Engineering**
RAD Data Communications Ltd.
https://www.rad.com/

In the Media

2019 **Moving Camera, Moving People: A Deep Learning Approach to Depth Prediction**
Google Research Blog
https://ai.googleblog.com/2019/05/moving-camera-moving-people-deep.html

2018 **Creating 3-D-printed ``motion sculpture'' from 2-D videos**
MIT News
https://news.mit.edu/2018/creating-3-d-printed-motion-sculptures-from-2-d-videos-mit-csail-0919

2018 **Looking to Listen: Audio-Visual Speech Separation**
Google Research Blog
https://ai.googleblog.com/2018/04/looking-to-listen-audio-visual-speech.html

2017 **Making Visible Watermarks More Effective**
Google Research Blog (ranked among the top 10 blogs of 2017)
https://ai.googleblog.com/2017/08/making-visible-watermarks-more-effective.html

2015 **Amplifying — or removing — visual variation**
MIT News
http://news.mit.edu/2015/algorithms-graphics-software-reveal-structural-defects-1106

Teaching Experience

2018 **Invited Lecturer**
Course: *Advances in Computer Vision* (6.819)
CSAIL MIT

2017 **Invited Lecturer**
Course: *Advances in Computer Vision* (6.819)
CSAIL MIT

2007–2014 **Teaching Assistant**
Course:*Statistical Signal Processing*
School of Electrical Engineering Tel Aviv University, Israel

2010 **Teaching Assistant**
Course: *Computer Graphics*
Efi Arazi School of Computer Science, IDC, Israel

Recent Invited Talks

2018 **Looking to Listen: Audio-Visual Speech Separation**
Speech and Audio in the Northeast (SANE)
🎥 Recording

2018 **Looking to Listen: Audio-Visual Speech Separation**
"Sound and Sight" workshop, CVPR

2018 **Looking to Listen: Audio-Visual Speech Separation**
ICCP, CMU
🎥 Recording

2017 **Securing Visible Watermarks**
Vision Day, Weizmann Institute of Science, Israel

2017 **On the Effectiveness of Visual Watermarks**
"Bright and Dark Side of Computer Vision" workshop, CVPR

2017 **How Can Computer Vision Reduce or Magnify Subtle Imperfection in Digital Images?**
LDV Vision Summit
🎥 Recording