



THE WEIZMANN INSTITUTE OF SCIENCE
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE

Vision and Robotics Seminar

Room 1 ,Ziskind Building
on Thursday, Nov 21, 2019
at 12:15

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Tools for visual expression and communication.

Abstract:

Photos and videos are now a main mode of communication, used to tell stories, share experiences and convey ideas. However, common media editing tools are often either too complex to master, or oversimplified and limited.

In this talk I will present my strategy towards the creation of media editing techniques that are easy to learn, yet expressive enough to reflect unique creative objectives. We will mostly discuss one specific domain --- human heads --- which are both extremely common (i.e. people care about people) and technologically challenging. I will present several works on editing video by editing text, perspective manipulation, and in-camera lighting feedback. I will also discuss exciting future opportunities related to neural rendering and digital representations of humans.

BIO

Ohad Fried is a postdoctoral research scholar at Stanford University. His work lies in the intersection of computer graphics, computer vision, and human-computer interaction. He holds a PhD in computer science from Princeton University, and an M.Sc. in computer science and a B.Sc. in computational biology from The Hebrew University. Ohad's research focuses on tools, algorithms, and new paradigms for photo and video editing. Ohad is the recipient of several awards, including a Siebel Scholarship and a Google PhD Fellowship. If you own a cable modem, there's a non-negligible chance that Ohad's code runs within it, so feel free to blame him for your slow internet connection.

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