

Computer Vision Seminar

Eli Shtetman
elishe@cs

Sameer Agarwal
sagarwal@cs

Marta Pinas Centeno
marta@cs

Yasutaka Furukawa
furukawa@cs

Organization

- * Webpage: www/education/courses/590v/
- * Every week 9:30 - 10:30 in AC 303
- * Register for 1 credit
- * Assigned reading of 1-2 papers/week
- * 2 students will present a topic every week

Topics

* **Recognition**

- * Fast and compact retrieval methods
- * Locally Sensitive Hashing
- * Hierarchical and tree based object recognition

* **3d Shape**

- * Non-rigid surface reconstruction from a single video sequence
- * Silhouettes and Multiple Hypothesis in Multiview Stereo
- * Specular flow/Specular shape

* **Optical Flow & Stereo**

- * Discrete Optimization for optical flow and stereo

Talk Prep.

- * Read the primary and secondary reading along with your own literature survey.
- * Answer questions on the mailing list.
- * Prepare one set of slides which explain the key mathematical/algorithmic ideas along with applications
- * Meet twice, 10 and 3 days in advance meet with one of us to go over the talk.

Send email to sagarwal@cs with 3 choices
for your presentation topic.