Computer Vision Seminar

Eli Sheetman  
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.