

CSCI 5722 Computer Vision – Fall 2016  
Instructor: Fleming  
Assignment 5  
Due Sunday, November 27<sup>th</sup>, by 11:55pm

## Paper Presentation

**Assignment goal:** teach us something we haven't learned in class. If in doubt about your chosen topic, please email and ask about it. Form a team of two students (you can work alone as well). Create a video of no longer than 10 minutes presenting your team as they teach us about a computer vision topic or algorithm not already studied in class.

Your peers, undergraduate and graduate students, will grade your assignment. Make your presentation clear and to the point. You have multiple options:

- Develop slides. In this case you might one to record a screencast with a voice over presenting the topic by making use of the information in the slides.
- You can use a white/black board (with or without slides). In this case you will record a video of a person (or two) making use of the board and the slides to explain a topic and/or derive an algorithm.

### Submitting your assignment:

Create a video file and name it *csci48305722\_xxxx*, where the 4 letters at the end represent either the first two letters of each partner's last name (in case of a team), or the first two letters of your first name, followed by the first two letters of your last name. Please upload them in the following shared folder:

<https://drive.google.com/drive/folders/0BxmcrvMGzBBOaVVmRTF4dWkwWlU?usp=sharing>

Suggested algorithms and papers:

<https://lear.inrialpes.fr/people/triggs/pubs/Dalal-cvpr05.pdf>

<http://www.cs.huji.ac.il/~daphna/course/CoursePapers/leibe-interleaved-ijcv07final.pdf>

<https://www.microsoft.com/en-us/research/wp-content/uploads/2016/02/BodyPartRecognition.pdf>

<http://people.csail.mit.edu/rywang/handtracking/s09-hand-tracking.pdf>

<http://cseweb.ucsd.edu/classes/sp02/cse252/lucaskanade81.pdf>

[http://faculty.cs.tamu.edu/jchai/CPSC641/baker\\_simon\\_2004\\_1.pdf](http://faculty.cs.tamu.edu/jchai/CPSC641/baker_simon_2004_1.pdf)

<https://www.cs.cornell.edu/rdz/Papers/KZ-ICCV01-tr.pdf>