Final Projects

Final Project: Develop, implement and test/demonstrate an image processing algorithm!

- Project is REQUIRED. Individual or group project, plan for about 40-50 hours per person. Maximum 2 person teams.
- Project proposal due (1 page maximum with details of what exactly will be implemented): **Wed Apr 4th.**
- Project presentation: **Apr 24/26, 2018**
- Submission of written report and source code: **Friday, Apr 27th 2018**

Project Ideas:

- JPEG image compression - DCT -> Huffman -> Inverse DCT (**https://www.slideshare.net/AishwaryaKM1/jpeg-image-compression-56894348** **(https://www.slideshare.net/AishwaryaKM1/jpeg-image-compression-56894348)**)
- Finger detection - Background subtraction + Contour + convex hull
- Image similarity using SIFT (**https://link.springer.com/article/10.1186/1687-5281-2012-6** **(https://link.springer.com/article/10.1186/1687-5281-2012-6)**)
- Image Stitching (**http://vision.gel.ulaval.ca/~jflalonde/cours/4105/h14/tps/results/tp4/raziehtoony/index.html** **(http://vision.gel.ulaval.ca/~jflalonde/cours/4105/h14/tps/results/tp4/raziehtoony/index.html)**)
- Image Steganography (**https://www.slideshare.net/hussainsavani/image-steganography** **(https://www.slideshare.net/hussainsavani/image-steganography)**)
- Image segmentation using Kruskal's algorithms