

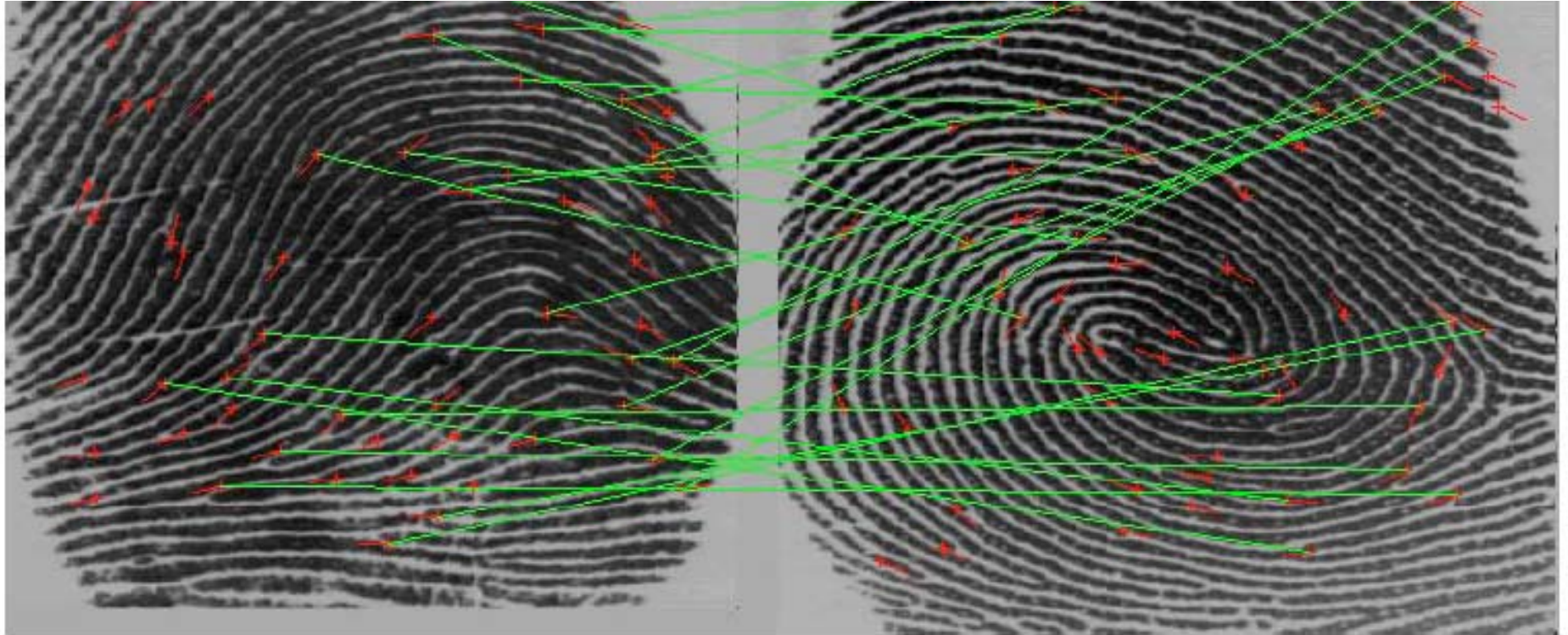
EECS 556 – Image Processing– W 09



Project proposals

Project proposals

- PATTERN RECOGNITION
 - Finger print matching or character recognition
 - Image processing techniques for extracting features of interest
 - Evaluation of different methodologies



Project proposals

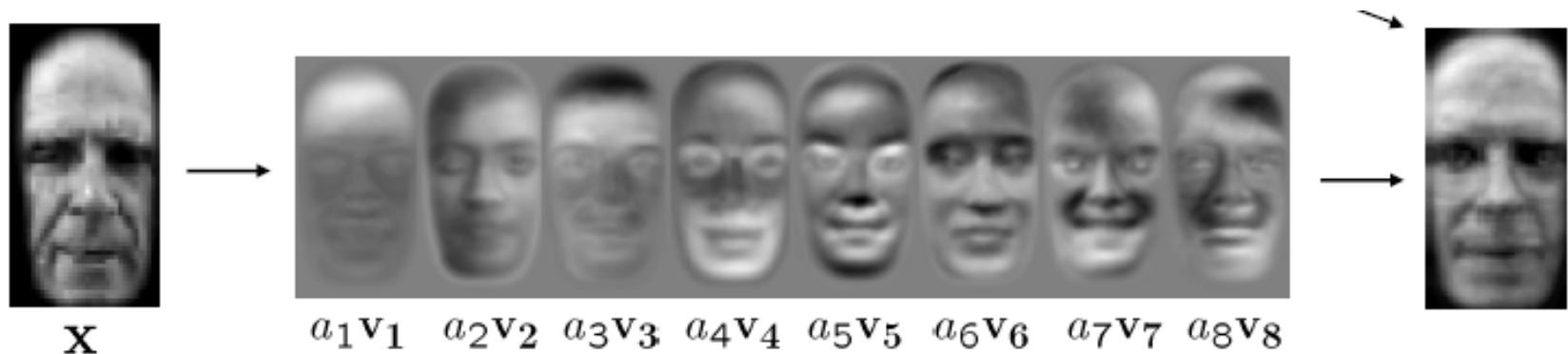
- PATTERN RECOGNITION

- Finger print matching or character recognition

- Image processing techniques for extracting features of interest
 - Evaluation of different methodologies

- Image processing for face recognition

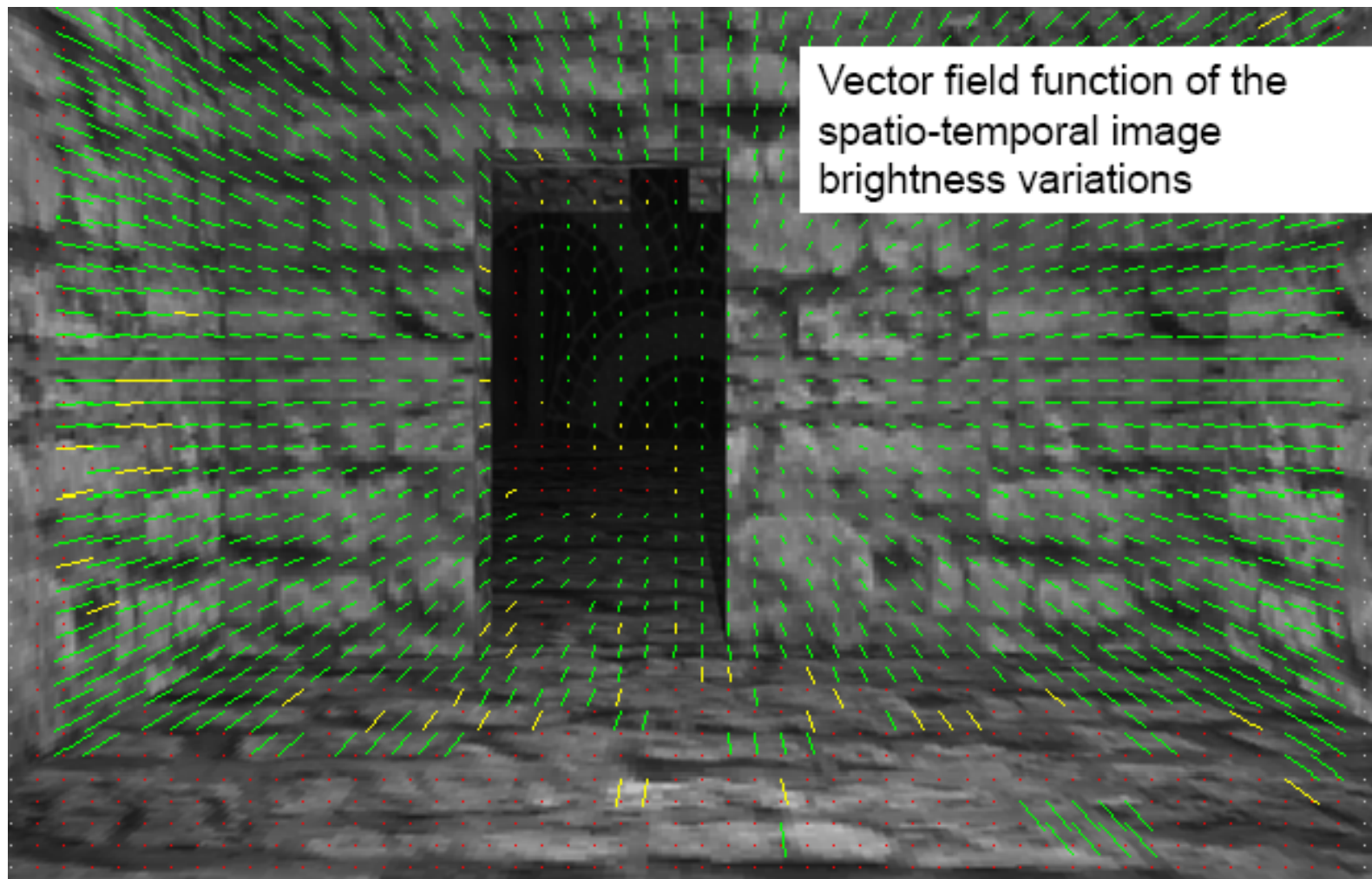
- Extract image-representation basis from a set of training data; eigen faces; fisher faces
 - Morphological operations to isolate and identify faces



Project proposals

- MOTION
 - Motion estimation using trajectories
 - Spatial and temporal interpolation techniques
 - Superresolution from videos
 - Creating panoramas from videos

Vector field function of the
spatio-temporal image
brightness variations



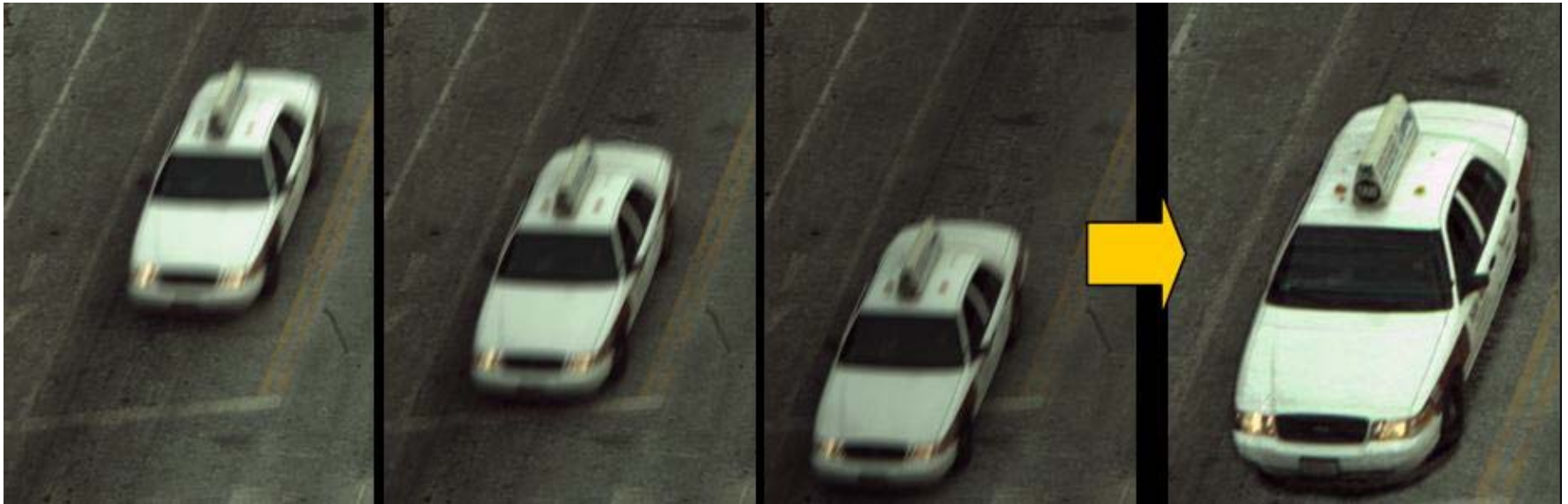


Project proposals

- MOTION
 - Motion estimation using trajectories
 - Spatial and temporal interpolation techniques
 - Superresolution from videos
 - Creating panoramas from videos
 - Reconstruction in MR imaging
 - motion correction and reconstruction in MR imaging
 - fieldmaps that are used to correct for these distortions can vary drastically with patient motion

Project proposals

- RESTORATION
 - Image restoration methods
 - Image Completion



Project proposals

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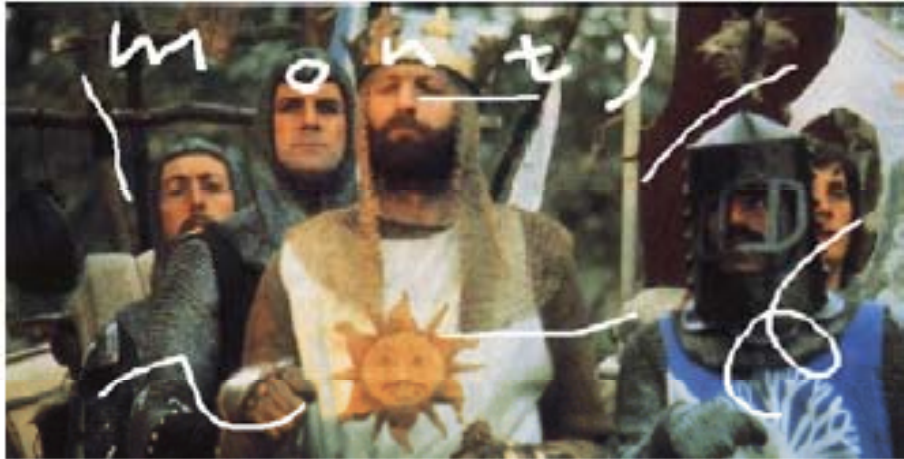


Image Inpainting, M. Bertalmío et al.

<http://www.iaa.upf.es/~mbertalmio/restoration.html>



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Project proposals

- RESTORATION
 - Image restoration methods
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Project proposals

- SEGMENTATION
 - Interactive segmentation of medical images using snakes

