

# Image segmentation, cross-domain video analysis and artistic renderings



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- Image segmentation and grouping
  - aiming to make “sense” of images: “the vision problem”
- Cross-domain image and video analysis
  - so that your face is always recognizable no matter it is depicted in a photo, a pencil drawing or a painting
  - sketch recognition and analysis
- Non-Photorealistic Rendering (NPR)
  - making artistic renderings from images and videos – fun yet requires “sensible” interpretations of the scene
- Multimedia sensor networks
  - extending to a network of cameras and how other sensors (audio, range, ...) embedded can help to solve vision problems