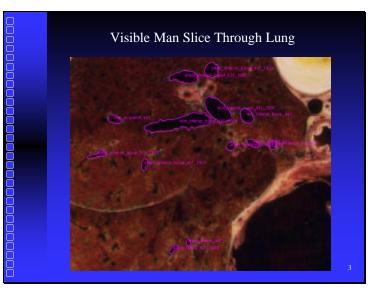


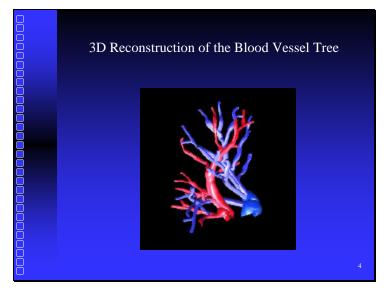
Applications

Medical Imaging

CT image of a patient's abdomen









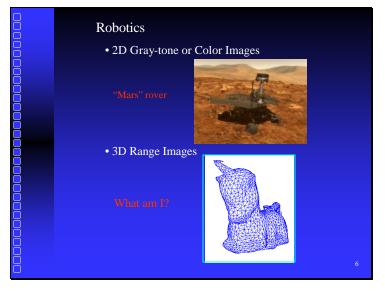
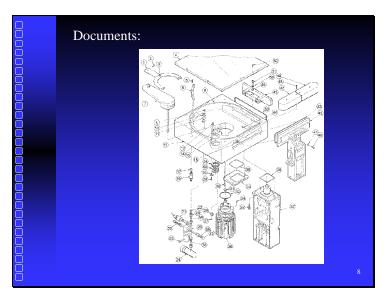


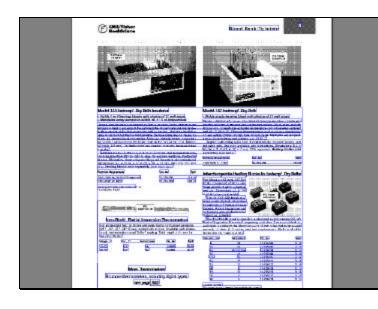
Image Databases:

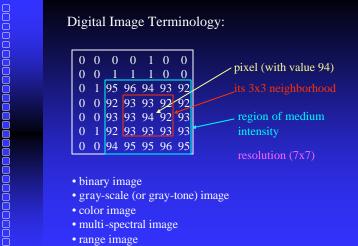
Images from my Ground-Truth collection.



What categories of real image databases exist today?





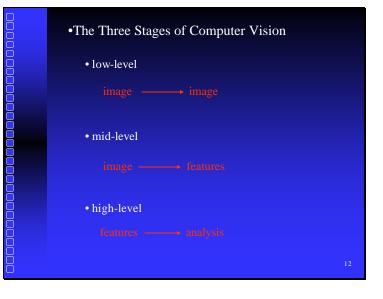


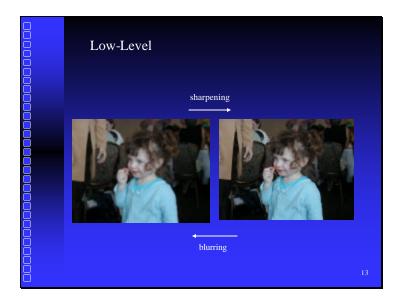
• labeled image

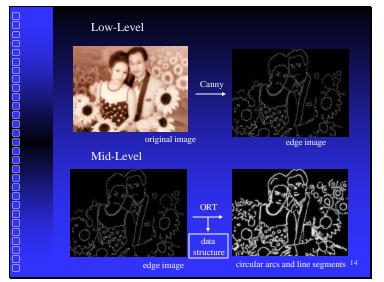
Goals of Image Analysis

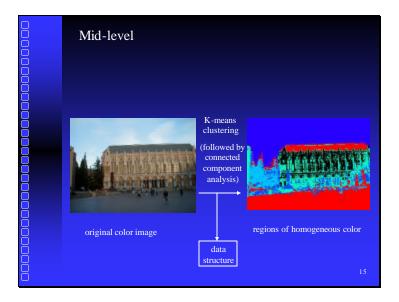


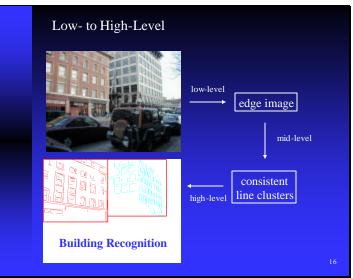
- Segment the image into useful regions
- Perform measurements on certain areas
- Determine what object(s) are in the scene
- Calculate the precise location(s) of objects
- Visually inspect a manufactured object
- Construct a 3D model of the imaged object











Difficulty of Computer Vision

- Computer vision is far from completely solved.
- There have been many successful systems used in real applications.

Like what?

• There are lots of things that humans can do for which vision programs don't come close to success.

Can you name some?

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