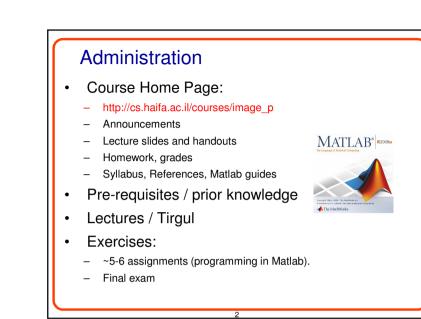


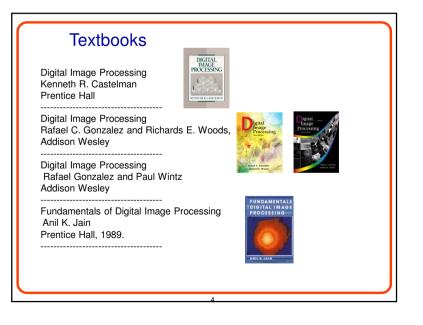
Administration (Cont.)

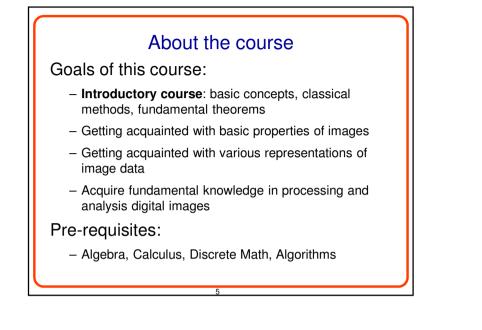
- Matlab software:
 - Available in PC labs
 - Student version
 - Course Webpage: Homework -> homeworkGeneral
 - Matlab Alternatives: Octave, Python.
- Grading policy:

1

- Final Grade = Final exam (60%) + Exercises (40%)
- Exercises will be weighted
- Exercises are compulsory and will be submitted in pairs
- You must pass the exam to pass the course !





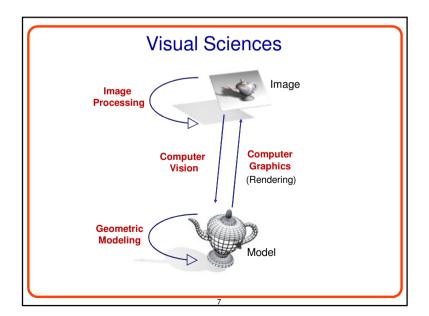


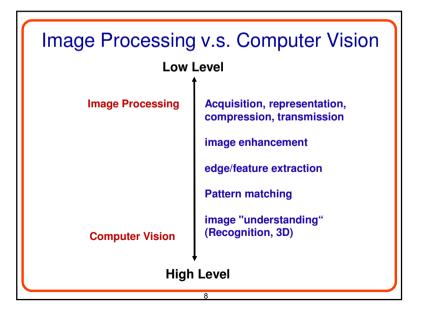
Introduction

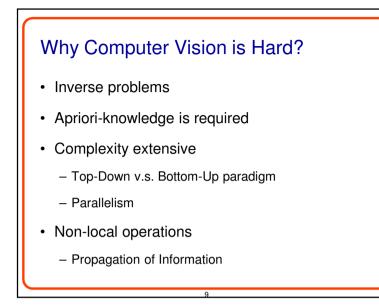
- Introduction to Image Processing
- Image Processing Applications
- Examples

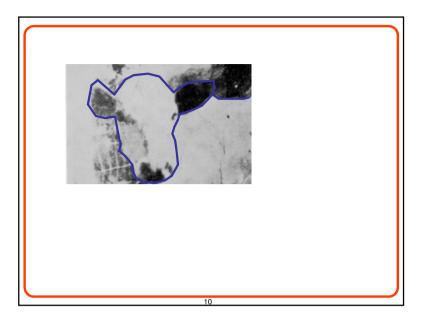


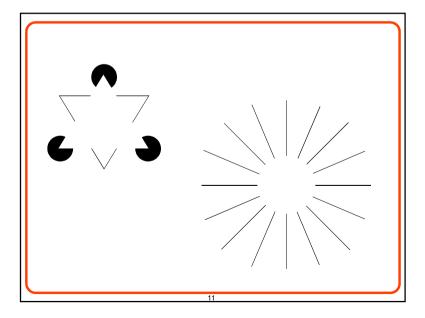
- Course Plan
- Biological Vision: The Human Visual System

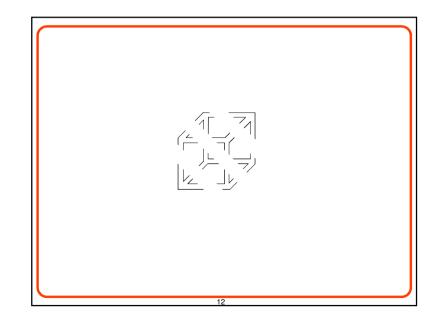


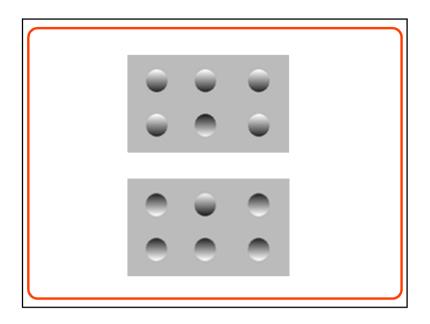


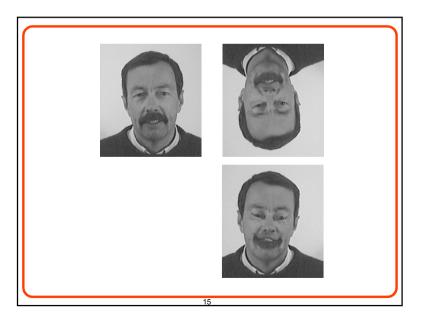


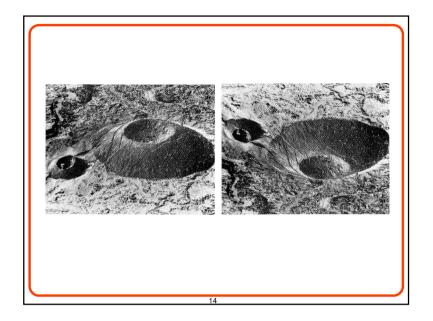


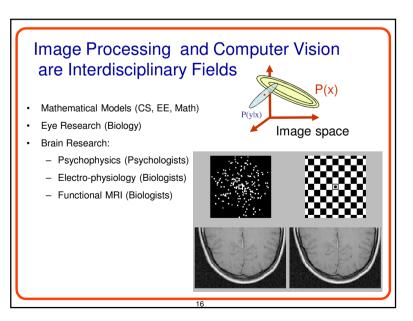


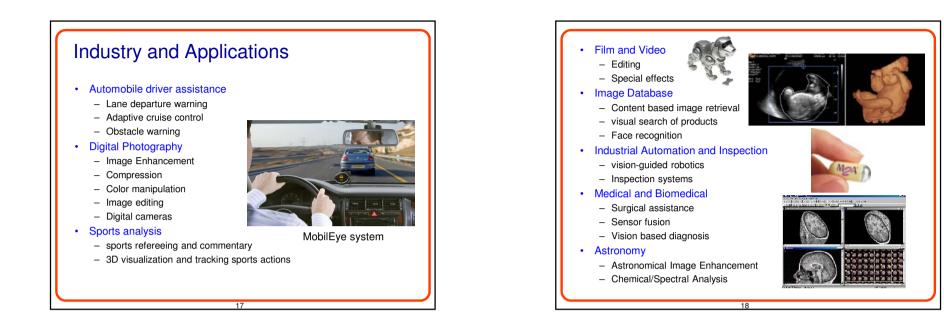


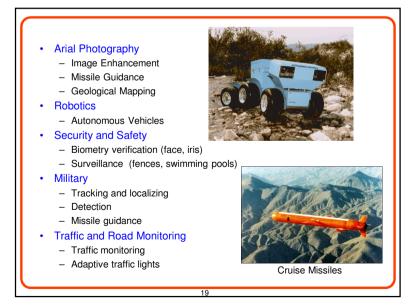






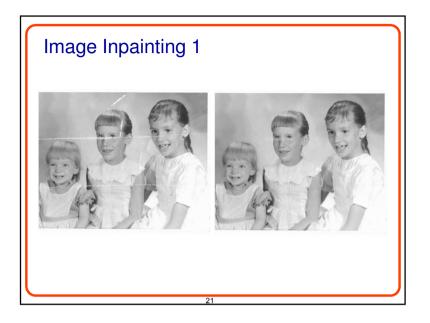




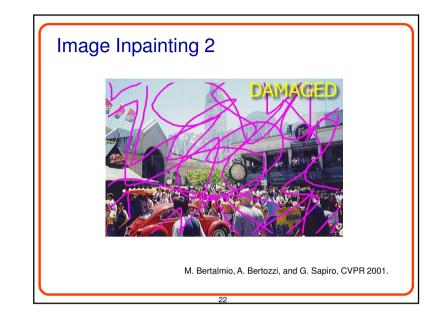


Google Driverless Car Google Street View Video cameras inside car. LDAR (Light Detector and Ranging) sensors on top of the vehicle Radar sensors on the front of the vehicle Position sensor on rear wheels

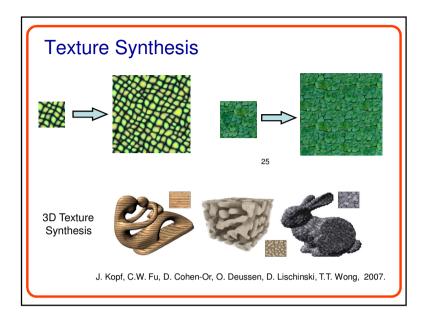
Google

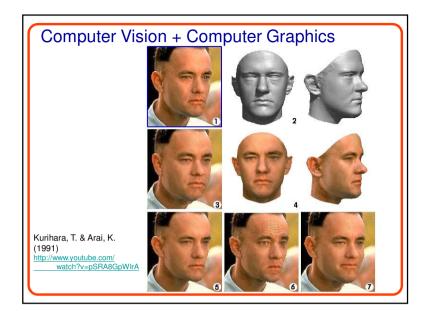


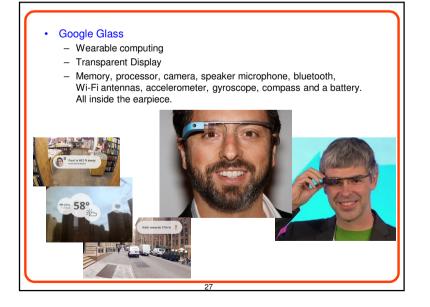












Syllabus

- Image Acquisition
- Point Operations
- Geometric Operations
- Spatial Operation
- Feature Extraction
- Frequency Domain and the FFT
- Image Operations in Freq. Domain
- Multi-Resolution
- Restoration

