

20. Image Analysis

2 units, Zhirong Bao and Anthony Santella, October 24 and 27, 2025

Day 1 (October 24th):

Conceptualization of image analysis problems

- Images

- From a Question to a Measurement

- Image Analysis Tasks and Tools

Image Analysis in the AI age

- Applications

- Architectures

- Limitations

Understanding Spatial Patterns Challenges and Opportunities

Day 2 (October 27th)

Hands on Image Analysis Lab