

VISION ANALYSIS AND DEEP LEARNING (5 ECTS, S3 93001412):

Advanced image and video processing: 3D/2D projection, digital image and video, spatiotemporal sampling.

Motion estimation.

Video filtering: Noise reduction; video stabilisation.

Image and video segmentation: image segmentation; foreground segmentation; temporal video segmentation.

Deep learning for computer vision: advanced methods for computer vision;

Deep learning solutions: image classification, segmentation and detection.

Practical sessions (assessed via EP: practical exam 35–45%)