COURSE DETAIL

VISION AND IMAGE PROCESSING
Country Denmark
Host Institution University of Copenhagen
Program(s) University of Copenhagen
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 174
UCEAP Course Suffix
UCEAP Official Title VISION AND IMAGE PROCESSING
UCEAP Transcript Title IMAGE PROCESSING
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course provides an overview of modern vision techniques used in man and machine. It focuses on both conceptual understanding of the models and methods as well as practical experience. The course covers state-of-the-art methods for image analysis including how to solve visual processing tasks such as object recognition and content-based image search and retrieval. It provides the necessary mathematical background to understand vision and image processing methods through programming exercises, which include converting a theoretical algorithmic description into a concrete program implementation, comparing computer vision and image analysis algorithms, and assessing their ability to solve a specific task. The course involves a mix of lectures and exercises.

Language(s) of Instruction
English

Host Institution Course Number
NDAK12002U

Host Institution Course Title
VISION AND IMAGE PROCESSING

Host Institution Course Details
https://kurser.ku.dk/course/ndak12002u/2022-2023

Host Institution Campus

Host Institution Faculty
Faculty of Science

Host Institution Degree
Master

Host Institution Department
Department of Computer Science

Course Last Reviewed

2022-2023

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