COURSE DETAIL

DIGITAL IMAGE PROCESSING

Country
Germany

Host Institution
Technical University Berlin

Program(s)
Technical University Berlin

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
108

UCEAP Course Suffix

UCEAP Official Title
Digital Image Processing

UCEAP Transcript Title
DIG IMAGE PROCESSNG

UCEAP Quarter Units
5.50

UCEAP Semester Units
3.70

Course Description

This course covers image representation in frequency domain, Fourier transform, sampling theorem, Filtering, Wiener Filter, image enhancement, edge detection, Hough transform, segmentation, interest operators, mathematical morphology, vectorization, texture, sceletonization, medical axis and distance transform, contour/line tracing and -smoothing, Gestalt psychology, and grouping.

Language(s) of Instruction
English

Host Institution Course Number
0433 L110

Host Institution Course Title
Digital Image Processing

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Institut für Technische Informatik und Mikroelektronik

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