COURSE DETAIL

MULTIMODAL INTERACTION
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 133
UCEAP Course Suffix
UCEAP Official Title MULTIMODAL INTERACTION
UCEAP Transcript Title MULTIMODL INTERACTN
UCEAP Quarter Units 5.50
UCEAP Semester Units 3.70

Course Description

This course sets the basics for an understanding of multimodal communication between humans and multimodal interaction between humans and machines. The course begins with clarifying the basic principles of human-human communication and human-machine interaction. The course then describes the processes taking place in humans when perceiving auditory, visual, and tactile signals, as well as how these perceptions are integrated in order to form a multimodal perception. The signals can be generated and received by machines which are able to interact with humans in limited domains. The set-up of such machines is discussed, and limitations as well as potential solutions to overcome these limitations is explained.

Language(s) of Instruction
English

Host Institution Course Number
n/a

Host Institution Course Title
MULTIMODAL INTERACTION

Host Institution Course Details
https://moseskonto.tu-berlin.de/moses/modultransfersystem/bolognamodule/beschre...

Host Institution Campus

Host Institution Faculty
FAKULTÄT IV ELEKTROTECHNIK UND INFORMATIK

Host Institution Degree

Host Institution Department
Softwaretechnik und Theoretische Informatik

Course Last Reviewed

2021-2022

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