COURSE DETAIL

AUTOMATIC SPEECH RECOGNITION
Country United Kingdom - Scotland
Host Institution University of Edinburgh
Program(s) Scottish Universities,University of Edinburgh
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 114
UCEAP Course Suffix
UCEAP Official Title AUTOMATIC SPEECH RECOGNITION
UCEAP Transcript Title AUTO SPEECH RECOG
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description
This course covers the theory and practice of automatic speech recognition (ASR), with a focus on the statistical approaches that comprise the state of the art. The course introduces the overall framework for speech recognition, including speech signal analysis, acoustic modeling using hidden Markov models, language modeling, and recognition search. Advanced topics include speaker adaptation, robust speech recognition, and speaker identification. The practical side of the course involves the development of a speech recognition system using a speech recognition software toolkit.

Language(s) of Instruction
English

Host Institution Course Number
INFR11033

Host Institution Course Title
AUTOMATIC SPEECH RECOGNITION

Host Institution Course Details

Host Institution Campus
Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department
Informatics

Course Last Reviewed

Print