

NPTEL Video Lecture Topic List - Created by Linuxpert Systems, Chennai

NPTEL Video Course - Computer Science and Engineering - NOC:Multimodal Interaction

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Co-ordinating Institute - IIT - Madras

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Introduction
Lecture 2 - Medium vs. Modality
Lecture 3 - Multimedia and Multimodality
Lecture 4 - Modality Relations
Lecture 5 - Characteristics of Multimodal Systems
Lecture 6 - Introduction
Lecture 7 - Speech Production
Lecture 8 - Hearing - Ear
Lecture 9 - Hearing - Perception
Lecture 10 - Introduction
Lecture 11 - The Human Eye
Lecture 12 - Gestalt Perception
Lecture 13 - Resolution and Sensitivity
Lecture 14 - Depth Perception
Lecture 15 - Reading
Lecture 16 - Introduction
Lecture 17 - Haptics
Lecture 18 - Smell
Lecture 19 - Taste
Lecture 20 - Memory
Lecture 21 - Motorsystem
Lecture 22 - Introduction
Lecture 23 - Processing Multiple Signals
Lecture 24 - Multimodal Dual-Tasks
Lecture 25 - Effects of Disconcurrent Signals
Lecture 26 - Relevance
Lecture 27 - Introduction 1
Lecture 28 - Introduction 2
Lecture 29 - Gesture to Space

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- Lecture 30 - Turn Taking
- Lecture 31 - Conclusion
- Lecture 32 - Introduction
- Lecture 33 - Overview
- Lecture 34 - Automatic Speech Recognition
- Lecture 35 - Emotion Recognition
- Lecture 36 - Text Recognition
- Lecture 37 - Introduction1
- Lecture 38 - Icons
- Lecture 39 - Text Generation
- Lecture 40 - Text to Speech
- Lecture 41 - Speech Generation
- Lecture 42 - Introduction .
- Lecture 43 - Multimodal Interactive Systems Development
- Lecture 44 - Introduction . .
- Lecture 45 - Virtual Reality
- Lecture 46 - Introduction to Audio for Virtual Reality
- Lecture 47 - Spatial Hearing
- Lecture 48 - Dummy Heads
- Lecture 49 - Individuality of HRTFs
- Lecture 50 - Sterophony
- Lecture 51 - Crosstalk Cancelation
- Lecture 52 - Ambisonics
- Lecture 53 - Sound Field Synthesis
- Lecture 54 - Challenges with Projection-based Systems
- Lecture 55 - Capturing of Sound Scenes
- Lecture 56 - Closing Remarks