

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

NPTEL Video Course - Electronics and Communication Engineering - NOC:Digital Speech Processing

Subject Co-ordinator - Prof. Shyamal Kumar Das Mandal

Co-ordinating Institute - IIT - Kharagpur

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

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Lecture 19 - Time Domain Methods in Speech Processing
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Lecture 21 - Introduction to Liner Prediction
Lecture 22 - Autocorrelation Method of LPC analysis
Lecture 23 - Autocorrelation Method of LPC analysis (Continued...)
Lecture 24 - Lattice Formulations of Linear Prediction
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- Lecture 30
- Lecture 31 - Segmental and Supra-segmental features of speech signal
- Lecture 32 - Cepstral Transform Coefficients (CC) Parameters extraction
- Lecture 33 - Mel Frequency Cepstral Coefficients
- Lecture 34 - MFCC features vector
- Lecture 35 - Fundamental Frequency (F0) Detection of speech signal
- Lecture 36 - Frequency Domain Fundamental Frequency Detection Algorithms
- Lecture 37 - Text to Speech Synthesis
- Lecture 38 - Text to Speech Synthesis (Continued...)
- Lecture 39 - Automatic Speech Recognition
- Lecture 40 - Statistical Modeling of Automatic Speech Recognition
- Lecture 41 - Speech based Technology Development for e-learning
- Lecture 42 - Prosody Modeling
- Lecture 43 - Fundamental frequency contour modeling
- Lecture 44 - Fundamental frequency contour modeling (Continued...)