NPTEL Video Course - Electrical Engineering - NOC:Introductory Neuroscience and Neuro-Instrumentation

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Co-ordinating Institute - IISc - Bangalore

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

Lecture 30 - Signal Conditioning Circuit for EEG Bioamplifiers
Lecture 31 - Basics of BCI Experimentation
Lecture 32 - Different Brain Computer Interfaces
Lecture 33 - Introduction to EEGLAB, ERPLAB and AEP Demonstration (1)
Lecture 34 - Introduction to EEGLAB, ERPLAB and AEP Demonstration (2)
Lecture 35 - Introduction to Photolithography
Lecture 36 - Basics of BCI Experimentation
Lecture 37 - MMN Demonstration with EEGLAB and ERPLAB (1)
Lecture 38 - MMN Demonstration with EEGLAB and ERPLAB (2)
Lecture 39 - Introduction to Photolithography (2)
Lecture 40 - Basics of Instrumentation Amplifier and Online Simulation
Lecture 41 - Basics of BCI Experimentation
Lecture 42 - P300 Demonstration with EEGLAB/ERPLAB (1)
Lecture 43 - P300 Demonstration with EEGLAB/ERPLAB (2)
Lecture 44 - Wavelet Analysis with VEP (1)
Lecture 45 - Details of Lithography, E-beam Lithography and Mask Aligner
Lecture 46 - Basics of BCI Experimentation
Lecture 47 - Wavelet Analysis with VEP (2)
Lecture 48 - Demonstration
Lecture 49 - Demonstration
Lecture 50 - Photoresist (SU-8) and soft lithography
Lecture 51 - Physical Vapour Deposition
Lecture 52 - Introduction to Epilepsy and Classification
Lecture 53 - Epileptogenisis
Lecture 54 - Demonstration
Lecture 55 - Demonstration
Lecture 56 - Demonstration
Lecture 57 - Demonstration
Lecture 58 - Physical Vapour Deposition
Lecture 59 - Physical Vapour Deposition
Lecture 60 - Recent Trends
Lecture 61 - Demonstration
Lecture 62 - Basics of EEG, ERP and acquisition
Lecture 63 - Photolithography with example
Lecture 64 - Stress Tissue Analysis using COMSOL Multiphysics
Lecture 65 - Recent Trends