

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

NPTEL Video Course - Electrical Engineering - NOC:Network Security

Subject Co-ordinator - Prof. Gaurav S. Kasbekar

Co-ordinating Institute - IIT - Bombay

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

- Lecture 1 - Introduction to the Course
- Lecture 2 - Motivation and Overview
- Lecture 3 - Review of Basic Concepts and Terminology in Communication Networks - Part 1
- Lecture 4 - Review of Basic Concepts and Terminology in Communication Networks - Part 2
- Lecture 5 - Review of Basic Concepts and Terminology in Communication Networks - Part 3
- Lecture 6 - Review of Basic Concepts and Terminology in Communication Networks - Part 4
- Lecture 7 - Review of Basic Concepts and Terminology in Communication Networks - Part 5
- Lecture 8 - Review of Basic Concepts and Terminology in Communication Networks - Part 6
- Lecture 9 - Different Types of Attacks on Networks
- Lecture 10 - Mathematical Background for Cryptography
- Lecture 11 - Principle of Cryptography - Part 1
- Lecture 12 - Principle of Cryptography - Part 2
- Lecture 13 - Principle of Cryptography - Part 3
- Lecture 14 - Principle of Cryptography - Part 4
- Lecture 15 - Principle of Cryptography - Part 5
- Lecture 16 - Message Integrity, Cryptographic Hash Functions and Digital Signatures - Part 1
- Lecture 17 - Message Integrity, Cryptographic Hash Functions and Digital Signatures - Part 2
- Lecture 18 - Message Integrity, Cryptographic Hash Functions and Digital Signatures - Part 3
- Lecture 19 - Message Integrity, Cryptographic Hash Functions and Digital Signatures - Part 4
- Lecture 20 - Authentication - Part 1
- Lecture 21 - Authentication - Part 2
- Lecture 22 - Authentication - Part 3
- Lecture 23 - Authentication - Part 4
- Lecture 24 - Authentication - Part 5
- Lecture 25 - Authentication - Part 6
- Lecture 26 - Public Key Infrastructure - Part 1
- Lecture 27 - Public Key Infrastructure - Part 2
- Lecture 28 - Secure Email - Part 1
- Lecture 29 - Secure Email - Part 2

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- Lecture 30 - Secure Sockets Layer (SSL) and Transport Layer Security (TLS) - Part 1
- Lecture 31 - Secure Sockets Layer (SSL) and Transport Layer Security (TLS) - Part 2
- Lecture 32 - Structure of an intergenetic fitness landscape
- Lecture 33 - Structure of an intergenetic fitness landscape
- Lecture 34 - Large scale fitness landscape (folA in E. coli)
- Lecture 35 - Fixation probability of a beneficial mutation in a chemostat
- Lecture 36 - Marbles in a jar: role of chance in dictating evolution
- Lecture 37 - Securing Wireless LANs - Part 3
- Lecture 38 - Securing Wireless LANs - Part 4
- Lecture 39 - Securing Wireless LANs - Part 5
- Lecture 40 - Securing Wireless LANs - Part 6
- Lecture 41 - Securing Wireless LANs - Part 7
- Lecture 42 - Securing Wireless LANs - Part 8
- Lecture 43 - Wireless Cellular Network Security - Part 1
- Lecture 44 - Wireless Cellular Network Security - Part 2
- Lecture 45 - Wireless Cellular Network Security - Part 3
- Lecture 46 - Wireless Cellular Network Security - Part 4
- Lecture 47 - Wireless Cellular Network Security - Part 5
- Lecture 48 - Wireless Cellular Network Security - Part 6
- Lecture 49 - Wireless Cellular Network Security - Part 7
- Lecture 50 - Wireless Cellular Network Security - Part 8
- Lecture 51 - Firewalls and Intrusion Detection Systems - Part 1
- Lecture 52 - Firewalls and Intrusion Detection Systems - Part 2
- Lecture 53 - Firewalls and Intrusion Detection Systems - Part 3
- Lecture 54 - Firewalls and Intrusion Detection Systems - Part 4
- Lecture 55 - Firewalls and Intrusion Detection Systems - Part 5
- Lecture 56 - Firewalls and Intrusion Detection Systems - Part 6
- Lecture 57 - Firewalls and Intrusion Detection Systems - Part 7
- Lecture 58 - Firewalls and Intrusion Detection Systems - Part 8
- Lecture 59 - Tor: The Onion Router - Part 1
- Lecture 60 - Tor: The Onion Router - Part 2
- Lecture 61 - The Bitcoin Cryptocurrency - Part 1
- Lecture 62 - The Bitcoin Cryptocurrency - Part 2
- Lecture 63 - The Bitcoin Cryptocurrency - Part 3
- Lecture 64 - The Bitcoin Cryptocurrency - Part 4
- Lecture 65 - The Bitcoin Cryptocurrency - Part 5
- Lecture 66 - The Bitcoin Cryptocurrency - Part 6
- Lecture 67 - Cloud Security - Part 1
- Lecture 68 - Cloud Security - Part 2

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- Lecture 69 - Cloud Security - Part 3
- Lecture 70 - Cloud Security - Part 4
- Lecture 71 - Security of the Internet of Things (IoT), Hardware Security - Part 1
- Lecture 72 - Security of the Internet of Things (IoT), Hardware Security - Part 2
- Lecture 73 - Security of the Internet of Things (IoT), Hardware Security - Part 3
- Lecture 74 - Post-Quantum Cryptography