

<<通信与电子信息工程专业英语>>

图书基本信息

书名：<<通信与电子信息工程专业英语>>

13位ISBN编号：9787121153822

10位ISBN编号：7121153823

出版时间：2012-1

出版时间：电子工业出版社

作者：聂敏 等编著

页数：292

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

## <<通信与电子信息工程专业英语>>

### 内容概要

本书选材广泛，内容新颖，由浅入深，涉及通信系统基础理论、光通信、微波与卫星通信、量子通信、移动通信、多媒体通信、激光技术、纳米技术、有线电视、计算机网络、电话交换、天线与智能天线、计算机断层扫描、人工智能、磁共振成像、传感器网络、电力线通信、数据压缩、电子显微镜、虹膜技术等，旨在通过扩展学生的专业词汇量，提高其阅读、理解专业文献资料的能力。全书共18个单元，其中前17单元是课堂教学内容，第18单元属于高级阅读内容，教师可根据教学计划灵活取舍。

本书可作为通信工程、电子信息、广播电视、信息安全、物联网等专业的本科生或研究生教材，也可作为通信工程技术人员的培训教材和参考书。

书籍目录

- Unit 1 Basics of Communication
  - Text A
  - A Mathematical Theory of Communication
  - Text B
  - Information Theory
  - Expanding reading
  - Channel Capacity
- Unit 2 Modulation Technology
  - Text A
  - Modulation Technology
  - Text B
  - PCM
  - Expanding reading
  - An Introduction to Sampling Theory
- Unit 3 Multiple Access
  - Text A
  - Multiple Access
  - Text B
  - Multiplexing
  - Expanding reading A
  - Communication Antenna
  - Expanding reading B
  - OFDM
- Unit 4 Switching technology
  - Text A
  - Circuit Switching
  - Text B
  - Packet Switching
  - Expanding reading
  - Asynchronous Transfer Mode
- Unit 5 Computer Network
  - Text A
  - LAN
  - Text B
  - Computer Networks
  - Expanding reading
  - Wide Area Networks
- Unit 6 Network Protocol
  - Text A
  - TCP/IP architectural model
  - Text B
  - Voice over IP
  - Expanding reading
  - IPv4 & IPv6
- Unit 7 Digital Compression Technologies

<<通信与电子信息工程专业英语>>

Text A

Video and Audio Compression

Text B

Coding of Text, Voice, Image, and Video Signals

Expanding reading

JPEG

Unit 8 Multimedia

Text

Multimedia

Expanding reading A

Multimedia Communication Systems

Expanding reading B

Streaming media

Unit 9 IPTV

Text

IPTV Overview

Expanding reading A

CATV

Expanding reading B

UWB

Unit 10 Data Telecommunication Network

Text A

ISDN

Text B

Public switched telephone network

Expanding reading

Internet

Unit 11 Optic Fiber Communication

Text A

Optical Fiber

Text B

Wavelength-division Multiplexing

Expanding reading

Synchronous digital hierarchy

Unit 12 Mobile Communication

Text A

Global Systems for Mobile Communications

Text B

Handover

Expanding reading

Evolution of 2G Systems to 3G Systems

Unit 13 The Third Generation

Text A

Spread spectrum

Text B

CDMA

Expanding reading A

<<通信与电子信息工程专业英语>>

UMTS and IMT-2000

Expanding reading B

Introduction of LTE technology

Unit 14 Satellite Communication

Text A

Satellite Systems

Text B

GPS

Expanding reading A

Microwave communication systems

Expanding reading B

RFID

Unit 15 WPAN

Text A

Wireless Personal Area Networks

Text B

ZigBee

Expanding reading

Home RF

Unit 16 Power Line Communication

Text A

Introduction to PLC

Text B

Power Line Communication

Unit 17 Future Technologies and Applications

Unit 18 Advanced Reading

1. Smart Antenna

2. Green Radio

3. Laser

4. Iris Recognition

5. Electron Microscope

6. Wireless Sensor Networks

7. Nanotechnology

8. Quantum Communications

9. X-ray Computed Tomography

10. Magnetic Resonance Imaging

11. Artificial Intelligence

References

版权说明

本站所提供下载的PDF图书仅提供预览和简介, 请支持正版图书。

更多资源请访问:<http://www.tushu007.com>