



*This is to certify that
Chris FitzGerald
has completed the course
Wireless LAN Technologies - 72034_eng
on
1/2/08*



Association for
Computing Machinery

Advancing Computing as a Science & Profession



Wireless LAN Technologies

About This Course

Overview/Description

To introduce wireless LAN technologies.

Target Audience:

Technical professionals; IT and business managers who need to learn about current and future mobile wireless technologies; students investigating or researching wireless communications and related technologies.

Requires an understanding of computers, internetworking and LAN technologies, radio fundamentals, and the basic concepts of data communications.

Certification:

No Certifications for this Course.

Expected Duration:

5 Hours 20 Minutes

First publication date:

This course was released October 07, 2002.

Last revision:

This course was last updated November 02, 2005.

Course Number:

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Wireless LAN Technologies

Course Objectives

Topic Name	When you have completed this topic, you should be able to
Introduction to wireless LANs	explain the requirements for wireless LAN technologies.
Wireless LAN applications and topologies	describe common applications and topologies of wireless LANs.
Wireless LAN devices	describe the main components of a wireless LAN.
Designing wireless LAN devices	design a wireless LAN.
Wireless LAN communications	explain spread spectrum wireless and infrared technologies.
MAC and wireless networks	describe sharing techniques for wireless LAN nodes.
Interconnecting wired and wireless networks	explain the use of bridging and Mobile IP in wireless LANs.
Comparing wireless LAN techniques	compare technologies for wireless LANs.
Wireless LAN security techniques	describe wireless LAN security components.
Wireless LAN security issues	describe the threats to wireless LAN security.
Wireless LAN secure solutions	describe possible solutions to overcome wireless security issues.
Securing your wireless LAN	secure a wireless LAN.
Wireless LAN security policies	explain how to develop a security policy for a wireless LAN.
Power and frequency guidelines for wireless LANs	discuss the power output and frequency regulations governing wireless LAN implementation.
IEEE 802.11 working groups	outline the IEEE 802.11 standard and its working groups.
MAC and PHY standards	describe the 802.11 MAC and PHY standards developed by IEEE.

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Wireless LAN Technologies References

Books

Wireless LAN Standards and Applications

2001, Asuncion Santamaria and Francisco J. Lopez-Hernandez (eds), Artech House, 0890069433

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