Computer and Communication Networks

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As the number and variety of communication services grow, so do the challenges of designing cost-effective networks that meet the requirements of emerging technologies in wireless, sensor, and mesh networks. *Computer and Communication Networks* is the first book to offer balanced coverage of all these topics using extensive case studies and examples.

This essential reference begins by providing a solid foundation in TCP/IP schemes, wireless networking, Internet applications, and network security. The author then delves into the field's analytical aspects and advanced networking protocols.

Students and researchers will find up-to-date, comprehensive coverage of fundamental and advanced networking topics, including:

- Packet-switched networks and Internet Network protocols

- Links

- LAN Protocols

- Wireless Networks

- Transport Protocols

- Applications and Management

- Network Security

- Delay Analysis

- QoS

- High speed protocols

- Voice over IP

- Optical Networks

- Multicasting Protocols

- Compression of Voice and Video

- Sensor/Mesh Networks

Network architecture books are often criticized for not offering enough practical, scenario-based information. *Computer and Communication Networks* provides an effective blend of theory and implementation not found in other books.

Key features include:

- Figures and images that simplify complex topics

- Equations and algorithms

- Case studies that further explain concepts and theory

- Exercises and examples honed through the author's twelve years of teaching about networking

Overall, readers will find a thorough design and performance evaluation that provides a foundation for developing the ability to analyze and simulate complex communication networks.

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From reader reviews:

Stephen Conway:

As people who live in the particular modest era should be change about what going on or facts even knowledge to make all of them keep up with the era which is always change and progress. Some of you maybe will update themselves by looking at books. It is a good choice to suit your needs but the problems coming to you is you don't know what type you should start with. This Computer and Communication Networks is our recommendation to help you keep up with the world. Why, as this book serves what you want and wish in this era.

Diana Saffold:

People live in this new moment of lifestyle always make an effort to and must have the free time or they will get lot of stress from both day to day life and work. So , when we ask do people have free time, we will say absolutely sure. People is human not only a robot. Then we request again, what kind of activity do you possess when the spare time coming to a person of course your answer may unlimited right. Then do you ever try this one, reading books. It can be your alternative with spending your spare time, the particular book you have read is Computer and Communication Networks.

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