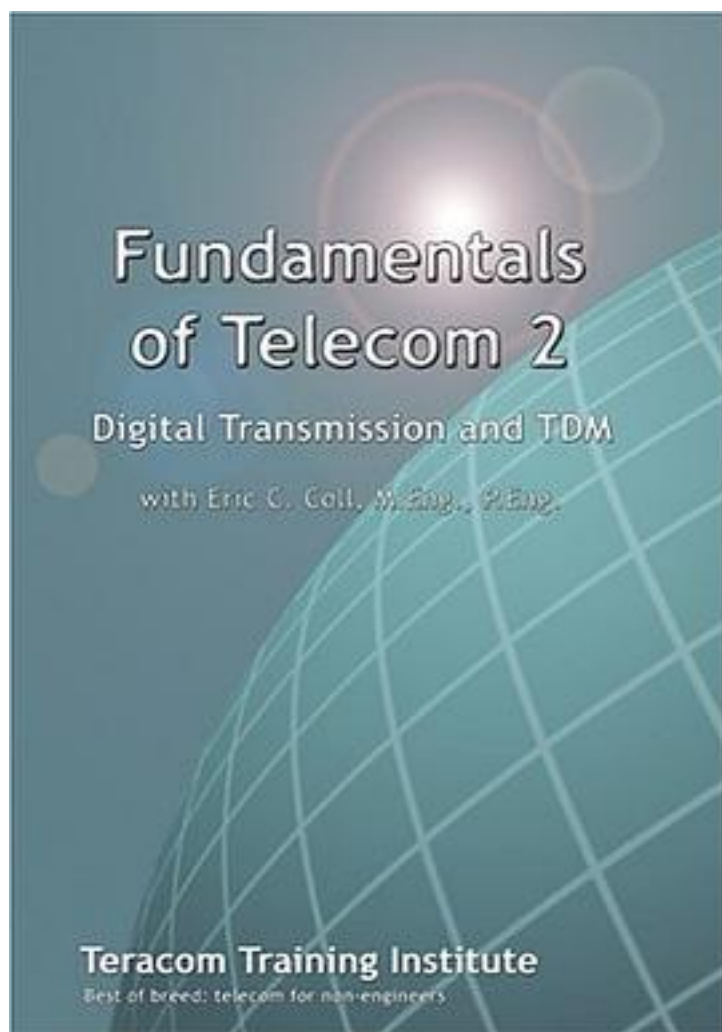


# Fundamentals of Telecommunications 2



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出版者:Teracom Training Institute

出版时间:2006-01

装帧:Spiral-bound

isbn:9781894887298

Training course set, includes DVD-video and workbook. Course V2: Fundamentals of

Telecommunications 2 Length 124 minutes. DVD-R NTSC format. 63-page 8.5" x 11" softcover bound workbook. Production year 2006.

In this video course, we drill into the technology a bit, to understand the concepts, standards and technologies for actually transmitting voice calls from one place to another. We'll give you a real understanding of what "digital" actually means, and how it is implemented. We'll explain what a "DS0" is, and take a practical tour of digital circuits, including T1, T3, SONET and ISDN. At a high level, we'll see how voice, data and video can be integrated. Then, we'll take a closer look at how this is all actually done, with Time Division Multiplexing (TDM) and digital carrier systems that are the technologies at the heart of telecommunications networks. Without getting bogged down on technical details, we'll provide you with a basic understanding of how transmission systems work, including T1 over copper wires and SONET over fiber.

Most of the transmission systems we have in place were designed for digital voice communications using these techniques... but they are also used for data and networking. This video course provides you with the concrete knowledge of the telecommunication circuits necessary to a full understanding of data circuits and network services.

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