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networking. [15] In 1973, Robert Metcalfe wrote a formal memo at Xerox PARC describing Ethernet , a networking system that was based on the Aloha network , developed in the 1960s by Norman Abramson and colleagues at the University of Hawaii .

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2. The network support layers are the physical, data link, and network layers.
3. The application layer supports the user.
4. The transport layer is responsible for

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process-to-process delivery of the entire message, whereas the network layer oversees host-to-host delivery ...

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up data communication technologies work, they rarely learn how the parts work together in complete data communication networks. In part, this is due to the fact that until now there have been no texts on data communication networking written for undergraduate electrical engineering students. Based on the author ' s years of

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networks continues to grow at a staggering rate, and that demand will continue to mount exponentially as the number of interconnected IoT-enabled devices grows to an expected twenty-six billion by the year 2020. Never has it been more urgent for engineering students to understand the fundamental science and technology behind



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What every electrical engineering student

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field, while presenting the fundamentals in a clear, straightforward manner. Students will find better coverage, improved figures and better explanations on cutting-edge material. The "bottom-up" approach allows instructors to cover the material in one course, rather than having separate courses on data communications and networking

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