



UNIVERSITY OF TRENTO - Italy

**Tuesday June 27th 2006 at 11.00 a.m.
Conference room of the Faculty of Economics
via Rosmini 44 - Trento**

The Internet History, Development and Forecast By Leonard Kleinrock

Brief introduction by the rector of the University of Trento – Davide Bassi

Lecture by Leonard Kleinrock

Prof Kleinrock, one of the fore-fathers of Internet, the same who wrote the first paper on packet switching (1962) and sent the first message over the Arpanet (1969), will hold a seminar on the history and growth of the Internet.

During his lecture he will identify the efforts of the many individuals, organizations and pioneering technologies that contributed to the development of the Internet.

He will also give an articulated description of where the Internet is today and a vision for its future.

The complexity that has emerged from this global network will also be addressed and some challenges for thoughtful modeling and analysis will be presented.

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Leonard Kleinrock's brief profile

Prof. Leonard Kleinrock created the basic principles of packet switching, the technology underpinning the Internet, while a graduate student at MIT (Massachusetts Institute of Technology). This was a decade before the birth of the Internet which occurred when his host computer at UCLA (University of California, Los Angeles) became the first node of the Internet in September 1969.

He wrote the first paper and published the first book on the subject; he also directed the transmission of the first message to pass over the Internet. He was listed by the Los Angeles Times in 1999 as among the "50 People Who Most Influenced Business This Century". Dr. Kleinrock received his Ph.D. from MIT in 1963 and has served as a professor of computer science at the University of California, Los Angeles, since then, serving as chairman of the department from 1991-1995. He received his BEE (Bachelors of Electrical Engineering) degree from CCNY (City College of New York) in 1957 (also an Honorary Doctor of Science from CCNY in 1997, and an Honorary Doctor of Science from the University of Massachusetts, Amherst in 2000).



Photo by Louis Bachrach

He has published more than 240 papers and authored six books on a wide array of subjects including queueing theory, packet switching networks, packet radio networks, local area networks, broadband networks, gigabit networks and nomadic computing. Prof. Kleinrock is a member of the American Academy of Arts and Sciences, a member of the National Academy of Engineering, an IEEE (Institute of Electrical and Electronics Engineers) fellow, an ACM (Association for Computing Machinery) fellow and a founding member of the Computer Science and Telecommunications Board of the National Research Council .

Among his many honors, he is the recipient of the CCNY Townsend Harris Medal, the CCNY Electrical Engineering Award, the Marconi Award, the L.M. Ericsson Prize, the NAE (National Academy of Engineering) Charles Stark Draper Prize, the Okawa Prize, the IEEE Internet Millennium Award, the UCLA Outstanding Teacher Award, the Lanchester Prize, the ACM Award, the Sigma Xi Monie Ferst Award, the INFORMS (Institute for Operations Research and the Management Sciences) Presidents Award, and the IEEE Harry Goode Award.