

Women



Radia Perlman *"Mother of the Internet"*



- Grew up loving math and also enjoyed playing piano and the French horn
- 1973 Bachelor's in Mathematics
- 1976 Master's in Mathematics
- 1988 Ph.D. Computer Science
- Holds more than 100 patents



She designed the spanning tree algorithm that transformed Ethernet from the original limited-scalability, single-wire CSMA/CD, into a protocol that can handle large clouds. Later, she improved on spanning tree-based Ethernet by designing TRILL (TRansparent Interconnection of Lots of Links), which allows Ethernet to make optimal use of bandwidth.

To Perlman, mathematics offered the best way to cut through the mumbo jumbo of computer language. "Math is sort of pure logic; there's a beauty and simplicity to it."



*What paths will you trailblaze that
no one has traveled before?*

Trailblazer