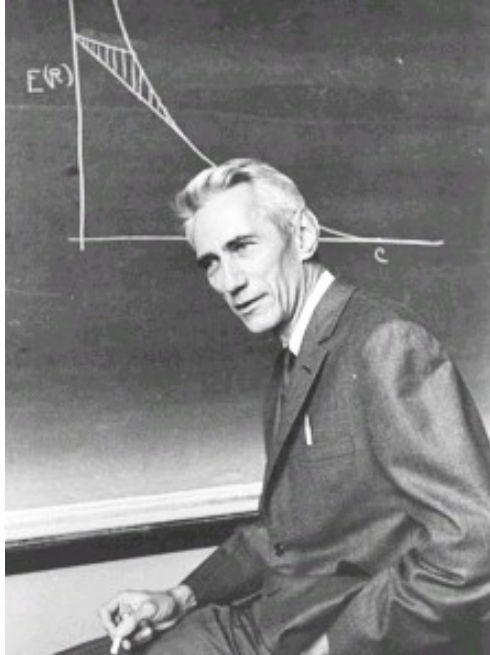

$$H = -\sum p(x) \log p(x)$$

SHANNON

Centennial Celebration



Claude Shannon: A Pioneer of Information Age

Prof. Tie Liu and Prof. Krishna Narayanan

Claude Shannon was one of the most influential scientists of the 20th century and is considered to be the father of the digital age. Just as Newton's and Einstein's theories govern the physical world, Shannon's theories govern the digital world. In his landmark paper published in 1948, he developed an elegant theory called information theory, which introduced the modern concept of information and provided guidelines on how to efficiently acquire, compress, store and transmit information.

April 9, 2016

12:00 – 1:00 pm

Room 106,
Jack E. Brown
Chemical Engineering
Building

In this interactive presentation, we will introduce the main ideas behind information theory through puzzles and hands-on activities. We will also show how information theory has shaped the development of CD players, iPods, hard disks, flash memories, deep-space communications, cellular phones and wireless networks, to name a few.

This is a special event at the **2016 Physics & Engineering festival**.

Website: <http://shannon.tamu.edu>



**ELECTRICAL & COMPUTER
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