

# COLLOQUIUM

## Epidemics, Erdos numbers, and the Internet: The form and function of networks

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There are networks in almost every part of our lives: the Internet, the power grid, the road network, networks of friendship or acquaintance, ecological networks, biochemical networks, and many others. As large-scale data on these networks have become available in the last few years, a new science of networks has grown up combining observations and theory to shed light on systems ranging from bacteria to the whole of human society. This talk will give an overview of some of the most important discoveries in this growing field, how those discoveries were made, and what they can tell us about the way the world works.

The lecture will take place in Thackeray 704 at 3:30pm.  
Refreshments will start at 3:00pm.