On Random Graphs - Paul Erdős, Alfred Renyi

Abstract:
In this talk we investigate the Erdős-Renyi model for random graphs, $G(n, p)$. Our focus will be on determining the probability that $G(n, p)$ is connected, which was the first problem that Erdős and Renyi considered in their original paper. As time permits we will also discuss the “phase transition” of $G(n, p)$.