

The background features a faint, stylized representation of a quantum system or data flow. It includes glowing pinkish-red spheres connected by thin lines, and a field of green binary digits (0s and 1s) scattered across the lower half of the page. The overall aesthetic is scientific and digital.

**Friday Feb. 01 at 3:00**

**in Knott Hall 309**

**Chi-Kwong Li**

**College of William and Mary**

presents

A Natural Sciences Seminar:

## **A Gentle Introduction to Quantum Information Science**

**Abstract:** Quantum Information science concerns the study of the use of quantum effects in constructing fast computing devices and designing secure communicating schemes. Advancement in this area will have significant impact on activities in business, industry, engineering, and many branches of sciences. For instance, it will lead to great improvement in security and efficiency issues on financial transaction, data storage and transmission, network connection, computing and simulation of quantum systems. In this talk, a gentle introduction. (No quantum mechanics background is needed to understand the lecture.)