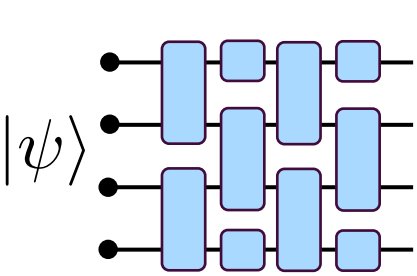
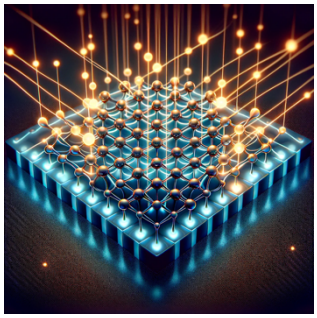
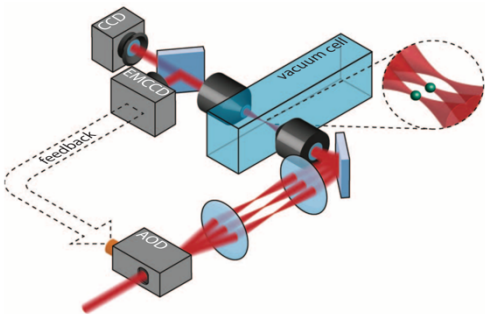
EC ENGR 279AS: Special Topics in Physical and Wave Electronics

Physics of Quantum Information and Computation







This course surveys the physical foundations of quantum information science and quantum computation. Emphasizing both theoretical tools and practical implementations, the course bridges fundamental concepts with experimental approaches ranging from quantum optics to condensed matter systems.

Topics include quantum bits and operations, entanglement, quantum computation, error correction, and physical systems for implementations.

Prerequsites: Knowledge of quantum mechanics at the advanced undergraduate or introductory graduate level.

- **Course Number**: EC ENGR 279AS
- **Time**: Winter 2027, TR 4-5:50pm
- **Instructor**: Professor Leo Zhou