Matrix Computations & Scientific Computing Seminar

Wednesday, 11:00am–12:00pm, 380 Soda

Nov. 3   **Alberto Grunbaum**, UC Berkeley
              Quantum walks and linear algebra

I will describe from scratch what people call a Quantum walk, and indicate how the spectral theory of the appropriate unitary operator can be helpful in answering some questions about recurrence and localization for these walks. I will try to show how these connections give rise to (possibly) new questions in linear algebra. I welcome a lot of feedback from the audience.