

Chez Pierre

Presents ...

Monday, September 29, 2025

12:00 pm -1:00 pm

Duboc Room – 4-331



Chez Pierre Seminar

Sankar Das Sarma, University of Maryland

“ Majorana zero modes: What, why, how, when?”

I will discuss the current status of the search for non-Abelian Majorana zero modes (MZMs) and topological superconductivity in solid state systems, from both experimental and theoretical perspectives. In particular, the highly-developed physics of the search for MZMs in hybrid semiconductor-superconductor systems will be discussed along with a trenchant analysis of recent breakthrough experiments from Microsoft Quantum on their Al-InAs hybrid superconductor-semiconductor nanowire topological quantum computing platform.