

Chez Pierre

Presents ...

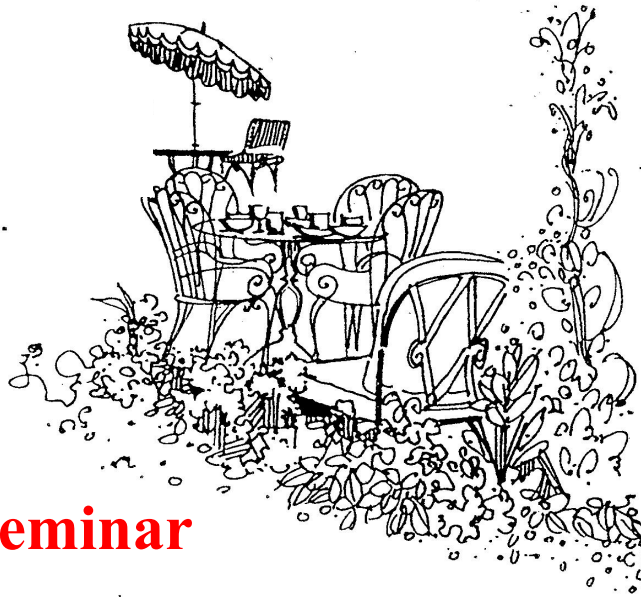
Monday, May 6, 2019

12:00pm Noon

MIT Room 4-331

Chez Pierre Seminar

Sankar Das Sarma – University of Maryland



“Linear in temperature metallic resistivity as strangeness: Planck, Ioffe, Regel, Mott, Bloch, and Gruneisen”

I will discuss the phenomenology of strange metallicity in cuprates and other strongly correlated materials, including twisted bilayer graphene, from the perspective of it (perhaps) not being strange at all. In particular, low carrier densities and large effective masses could lead to the observed strange metallic resistivity arising from non-strange underlying scattering mechanisms. The connection to possible non-Fermi liquid behavior will also be critically discussed.