

UCLA Mani L. Bhaumik Institute for Theoretical Physics

Location: Bhaumik Collaboratory, Chemistry Department

Date: Tuesday, November 7th, 2023

Time: 4PM

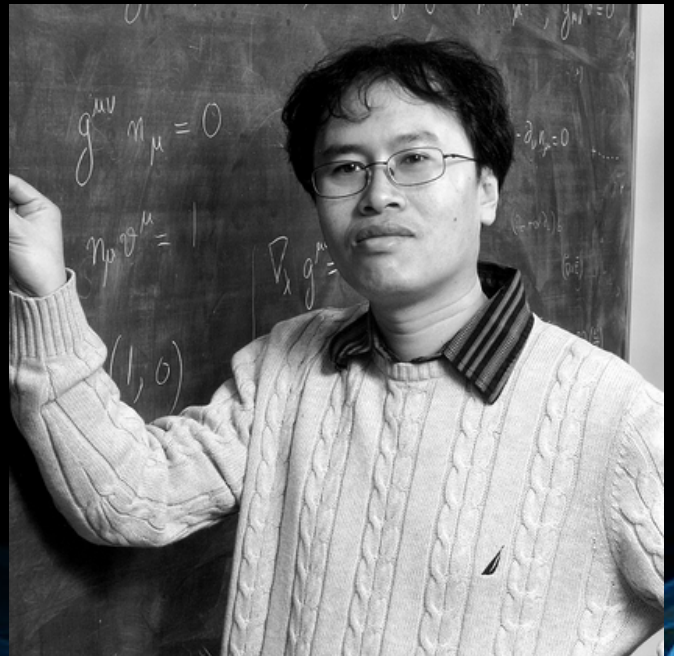
Refreshments will be served at 3pm in Boyer Hall 159

Speaker:

Professor Dam T. Son
Universtiy of Chicago

Quantum Fields in Condensed Matter

Quantum field theory is a language in which many phenomena in condensed matter can be described very effectively. I will review two aspects of quantum field theory in condensed matter physics: the appearance of Nambu-Goldstone bosons and duality between (2+1) dimensional quantum field theories. In both cases, we will see how fundamental features of quantum field theory are reflected in the physical behavior of condensed matter systems.



Undergraduates welcomed!