



THE CHINESE UNIVERSITY OF HONG KONG
Department of Physics
SEMINAR

Visualizing Cooper Pairing Engineering at Atomic-Scale

by

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Date: December 3, 2020 (Thursday)

Time: 10:00 - 11:00 a.m.

Join ZOOM Meeting: <https://qrgo.page.link/GsS3b>



ALL INTERESTED ARE WELCOME

Abstract

Understanding and harnessing the superconducting properties at microscopic level have widespread fundamental and technological implications. The state-of-the-art scanning tunneling microscopy has been very powerful in elucidating the Cooper pairing of unconventional superconductivity at atomic-scale. In this talk, I will discuss the interplay between Cooper pairing with topological and geometrical defect excitations in iron-based superconductors. I will also discuss the mechanistic insights into the unconventional superconductivity provided by these tunneling work and the the potential of bottom-up engineering of Cooper pairing.

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