



Novel Phenomena in a Two-Dimensional World through Ordered Structures



Prof. Kuo, Chien-Cheng

郭建成

副教授兼招生策略辦公室主任

Department of Physics
National Sun Yat-sen University

Date: 2023/05/16 (Tue)

Venue: S4-625

Time: 14:00-16:00

This talk delves into the intriguing world of two-dimensional (2D) materials, specifically epitaxial bismuthene and moiré graphene. Using Scanning Tunneling Microscopy (STM), we uncovered the atomic and electronic structures of epitaxial bismuthene, which exhibited distinct topological properties. Additionally, we investigated the emergence of extreme pseudo-magnetic fields in moiré graphene and how they were used to adjust electronic behaviors. These findings demonstrated the vast potential of 2D materials in advancing materials science and technology.