

Small and Fast: Coherent Å-fs Chemistry

Wednesday, October 11, 2017

3 pm, Seminar room in Nanoscience Joint Lab. 2F



Presented by

Professor Wilson Ho

University of California, Irvine

Scanning Tunneling Microscopy

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Femtosecond Laser Optics

Inhomogeneity of different length scales is one of the fundamental characters of space and matter that has its origin in the spatial variations of the charge and mass distributions. While many changes in nature and in the laboratory can be observed with the naked eyes, ultimately the interactions that lead to these changes occur at the atomic scale. In addition, heterogeneity influences the time scale that transformations occur at different locations, and the average time may differ significantly from the local times. The desire to understand and control changes in the charge and mass distributions would require experimental tools that possess simultaneous spatial and temporal resolutions to reveal the heterogeneity.

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