

Microscopic studies on electronic and magnetic properties of nanostructures

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This talk will cover some of our recent progress on metallic nanostructures and graphene. One of them is how we fabricated the nanostructures by controlling the vertical assembly of metallic atoms on surface. The probing of graphene surface by resonance spectroscopy of STM will be shown as another example. Also some issues about magnetism in nitride diluted magnetic semiconductor is presented if time permits.