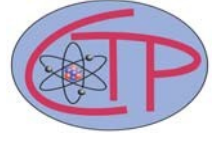




NEW YORK CITY COLLEGE OF TECHNOLOGY
Physics Department
Center of Theoretical Physics



Manipulating electronic and optical properties of graphene

Presented by:

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Thursday April 14 at 12:00 pm
Namm, Room 823

Abstract

Graphene, a genuine two-dimensional material formed by carbon atoms, has remarkable electronic and optical properties. It is a transparent and colorless semimetal with a robust conductivity. We explain the origin of these properties and discuss how they are affected by various mechanisms such as scattering by disorder, an enhanced electron-phonon interaction and the interplay of electrons and localized spins.

Light refreshments will be served.