

## Surface Functionalization of Chemical Vapor Deposition Grown Graphene Film

**Authors :** Prashanta Dhoj Adhikari

**Abstract :** We report the introduction of the active surface functionalization group on chemical vapor deposition (CVD) grown graphene film by wet deposition method. The activity of surface functionalized group was tested with surface modified carbon nanotubes (CNTs) and found that both materials were amalgamated by chemical bonding. The introduction of functional group on the graphene film surface and its vigorous role to bind CNTs with the present technique could provide an efficient, novel route to device fabrication.

**Keywords :** chemical vapor deposition, graphene film, surface functionalization

**Conference Title :** ICNME 2015 : International Conference on Nano and Materials Engineering

**Conference Location :** San Francisco, United States

**Conference Dates :** June 07-08, 2015