Modelling of Plasmonic And Graphene Nanodevices Springer Theses

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integrating nanotechnology into the internet of things
To understand the new phenomena, a theoretical description and numerical modelling is required consisting only of one or a few monolayers of atoms. Examples are graphene, which has a vanishing

research topics
My work at NIST focused on the modeling and design of novel materials for plasmonics and photonics. In this work, I used density functional theory methods to derive the optoelectronic properties of 2D

lauen rast
We investigate the monolithic integration and manipulation of III-V nanocrystals on a wide variety of functional, foreign, and flexible platforms, including graphene in micro and nanoelectronics,

research centers
In particular, monodisperse model polymers in the form of very long n-alkanes are as well as in bulk and thin-film nanocomposites containing nanoparticles, nanofibres and graphene. The development

professor goran ungar
He is the Director of the Cambridge Graphene Centre and of the EPSRC Centre for Doctoral His research interests include nanomaterials growth, modelling, characterization, and devices. He was

nanoscale advances editorial board members
He has participated to about 40 international conferences with oral presentations, with talks on SEM, STEM, graphene characterization and exploitation. He also worked on X-ray diffraction.

electron microscopy workshop