

9 November 2016, 2pm (Ingram  
Lecture Theatre)

[Francisco Guinea](#)  
[\(IMDEA and University of](#)  
[Manchester\)](#)

Strains and electrons in two  
dimensional materials

Recent theoretical and experimental studies of the properties of strains and electrons in graphene and other two dimensional materials will be reviewed, including: i) formation of bubbles, ii) anharmonicity, quenched disorder and ripples, and iii) formation of quantum dots and dynamics of excitons in semiconducting materials.