



UNIVERSITÀ DEGLI STUDI
DI PERUGIA

AVVISO DI SEMINARIO

Giovedì 19 Marzo 2015, ore 11:00

presso la Sala Riunioni al 4° piano

Dipartimento di Fisica e Geologia
(edificio di via Pascoli snc – Perugia)

il Dr. Warner Venstra

University TU Delft (NL)

terrà un seminario dal titolo:

“Probing the motion of nano-resonators from 2 dimensional materials in frequency, time and spatial domains”

Abstract:

Nanomechanical resonators made from suspended 2-dimensional materials have interesting mechanical, optical and electronic properties. Interferometry enables the characterization of their motion with frequency, time and spatial resolution. A review will be given on how these measurements contribute to the understanding of various aspects of their dynamics, such as membrane to plate transition, dissipation and frequency fluctuations, the effect of strain and geometric artifacts such as wrinkles. NEMS resonators from 2-D materials provide an interesting platform for applications as nanomechanical switches and sensors.

Tutti gli interessati sono cordialmente invitati a partecipare.

Il Responsabile Scientifico

Prof. Luca Gammaitoni