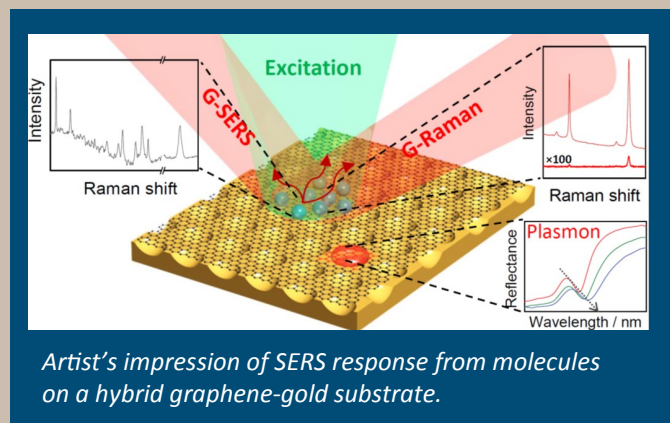


NEWS OF THE MONTH



Enhanced light-matter interaction in hybrid graphene-gold plasmonic nanostructures

[Xiaolong Zhu](#) and co-workers from CNG have explored hybrid graphene-gold plasmonic nanostructures for enhanced light-matter interaction. Gold surfaces with nanoscale variations in the surface topography may support plasmons with strongly enhanced electrical fields. Such structures are widely promoted for studies of enhanced light-matter interactions in general and for surface-enhanced spectroscopy in particular. In their work just accepted for publication in Nano Letters (<http://dx.doi.org/10.1021/nl402120t>).

OTHER NEWS



Thomas Willum receives Sapere Aude
Senior Researcher Thomas Willum Hansen receives Sapere Aude grant from The Danish Council for Independent Research of the total amount of 6 MDKK. Read more at DTUs homepage or read an interview with Thomas Willum Hansen here.

EVENTS

CBH2013

The fourth edition of Carbonhagen was launched on the 19th-20th August at Copenhagen University. More than 130 people participated and the seminar was once again a great success! (See pictures below)

Plasmons in systems of low dimensionality

Lecture by Prof. Javier García de Abajo, IQFR-CSIC, Spain - February 28, 2013, from 13:00-14:00, building 306, aud. 37.

Guests at CNG from UCC, Ireland

On January 17-18 2013 Prof. Michael A. Morris, Head of Department of Chemistry, University College Cork CRANN.



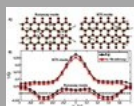
UPCOMING LECTURES

... By CNG faculty

Thomas W. Hansen (DTU CEN), at [XXIV Brazilian Congress of Microscopy and Microanalysis](#), 20-23 October 2013.

Mads Brandbyge (DTU Nanotech) on [Electron Transport through Atoms, Molecules and Nanowires: Advances in Experiment and Theory](#) 27-31 October 2013.

NEW PUBLICATIONS



Tue Gunst, Jing-Tao Lü, Per Hedegård and Mads Brandbyge, [Phonon excitation and instabilities in biased graphene nanoconstrictions](#), *Physical Review B* 88, 161401(R) (2013)