

Newsletter, Nov. 2009

Reminder about STSM / Dorota

Papers

Plasmonic nanorod metamaterials for biosensing

A. V. Kabashin, P. Evans, S. Pastkovsky, W. Hendren, G. A. Wurtz, R. Atkinson, R. Pollard, V. A. Podolskiy & A. V. Zayats

Nature Materials, DOI:10.1038/nmat2546

<http://www.nature.com/nmat/journal/vaop/ncurrent/abs/nmat2546.html>

Amplification of surface plasmon polaritons in the presence of nonlinearity and spectral signatures of threshold crossover

A. Marini, A. V. Gorbach, D. V. Skryabin, and A. V. Zayats,

Optics Letters, Vol. 34, Issue 18, pp. 2864-2866,

<http://www.opticsinfobase.org/ol/abstract.cfm?uri=ol-34-18-2864>

Refractometric Sensing Using Propagating versus Localized Surface Plasmons: A Direct Comparison

Mikael Svedendahl, Si Chen, Alexandre Dmitriev and Mikael Käll

Nano Letters, Article ASAP; DOI: 10.1021/nl902721z

<http://pubs.acs.org/doi/full/10.1021/nl902721z>

Journal of Computational and Theoretical Nanoscience

A Special Issue on: Functional Nanophotonics and Nanoelectromagnetics

Volume 6, Number 9, September 2009

<http://www.ingentaconnect.com/content/asp/jctn/2009/00000006/00000009>

Nanoplasmonic Probes of Catalytic Reactions

Elin M. Larsson, Christoph Langhammer, Igor Zoric, Bengt Kasemo

Science (Express), DOI: 10.1126/science.1176593

www.sciencemag.org/cgi/content/abstract/1176593

Highly Efficient Interfacing of Guided Plasmons and Photons in Nanowires

Xue-Wen Chen, Vahid Sandoghdar, and Mario Agio

Nano Letters Vol. 9, No. 11, pp. 3756-3761 (2009)

<http://pubs.acs.org/doi/abs/10.1021/nl9019424>

Jobs

Studentship in active plasmonics/ nanophotonics

Experimental Solid State Physics Group

Department of Physics

A PhD studentship is available in the Experimental Solid State Physics Group in the Department of Physics at Imperial College London, under the supervision of Paul Stavrinou, Stefan Maier, and Donal Bradley.

The topic of the PhD project will be in the area of nanoplasmonics, with a particular focus on nanoscale plasmon waveguides coupled to polymer-based sources and detectors. The project is part of a collaboration with Queens University Belfast (group of Anatoly Zayats), and

international travel to overseas collaborators is anticipated.

The studentship is open to candidates from the European Union and available for a duration up to 4 years. The group is part of the College's new Centre for Plasmonics and Metamaterials (<http://www3.imperial.ac.uk/plasmonmeta> <<http://www3.imperial.ac.uk/plasmonmeta>>).

Applications must be completed online:

<http://www3.imperial.ac.uk/pgprospectus/howtoapply/applicationforms>

<<http://www3.imperial.ac.uk/pgprospectus/howtoapply/applicationforms>>

For enquiries please contact Rebecca Smith, Email: Rebecca.smith@imperial.ac.uk

<<mailto:Rebecca.smith@imperial.ac.uk>> , Tel: 020 7 594 0785

Events

- 28th Progress in Electromagnetics Research Symposium (PIERS) to be held on July 5-8, 2010 in Cambridge, USA.

<http://piers.mit.edu/piers/>

The submission deadline of one-page abstract is December 20, 2009.

http://piers.mit.edu/piers2010cambridge/submit/submit_new.php

- EUROT(R)ODE X, March 28-31, Prague

(<http://www.eurotrodex.eu/>)

Abstract submission deadline: November 16, 2009

Notification of acceptance: December 14, 2009

- Nanophotonics @ SPIE Photonics Europe

http://spie.org/app/program/index.cfm?fuseaction=conferencedetail&export_id=x12532&ID=x12295&redir=x12295.xml&conference_id=900217&event_id=885993&jsenabled=1

deadline 9 November 2009