

Newsletter, April 2010

COST Plasmonics training school:

Hole-mask colloidal lithography / June 7-9, 2010 / Chalmers (Göteborg, Sweden)

<http://www.chalmers.se/ap/EN/research/bionanophotonics/adverts/hcl>

Application deadline: May 15

Apply to Alexandre 'Sascha' Dmitriev: [alexnd@chalmers.se](mailto:alexnd@chalmers.se)

STSMs (Short Term Scientific Missions) are sponsored by the network: if you plan a short (up to 3 months) visit to the partners lab - this is the instrument.

Documents to be submitted (to STSMs Coordinator Dorota Pawlak:

[Dorota.Pawlak@itme.edu.pl](mailto:Dorota.Pawlak@itme.edu.pl)):

- CV of the applicant
- Acceptance letter of the host
- Detailed work plan
- On-line application (for the form - please, contact Dorota)

Planning: The documents should arrive to the network office at least one month before the trip

Papers

Special issue: Martin Moskovits Festschrift

J. Phys. Chem. C 114, 7213 (2010)

<http://pubs.acs.org/toc/jpccck/114/16#d120191e5>

(includes several contributions from COST Plasmonics partners)

Superresolution Moire mapping of particle plasmon modes

D. M. Koller, U. Hohenester, A. Hohenau, H. Ditlbacher, F. Reil, N. Galler, F. R. Aussenegg, A. Leitner, A. Trügler, and J. R. Krenn

Phys. Rev. Lett. 104, 143901 (2010)

<http://prl.aps.org/abstract/PRL/v104/i14/e143901>

How many surface plasmons are locally excited on the ridges of metallic lamellar gratings?

B. Wang and P. Lalanne

Appl. Phys. Lett. 96, 051115 (2010)

<http://link.aip.org/getpdf/servlet/GetPDFServlet?filetype=pdf&id=APPLAB000096000005051115000001>

Improving the limit of detection of nanoscale sensors by directed binding to high-sensitivity areas

L. Feuz, P. Jönsson, M. P. Jonsson, F. Höök

ACS Nano 4, 2167 (2010)

<http://pubs.acs.org/doi/abs/10.1021/nn901457f>

Calculation of tip enhanced Raman scattering caused by nanoparticle plasmons acting on a molecule placed near a metallic film

P. Geshev, U. Fischer, H. Fuchs

Phys. Rev. B 81, 125441 (2010)

<http://prb.aps.org/abstract/PRB/v81/i12/e125441>

Observation of enhanced transmission for s-polarized light through a subwavelength slit

M. Guillaumée, A. Yu. Nikitin, M. J. K. Klein, L. A. Dunbar, V. Spassov, R. Eckert, L. Martín-Moreno, F. J. García-Vidal, R. P. Stanley

Opt. Exp. 18, 9722 (2010)

<http://www.opticsinfobase.org/oe/abstract.cfm?uri=oe-18-9-9722>

Events

[organized by COST Plasmonics partner]  
Metallic metamaterials and plasmonics, the Royal Society discussion meeting  
Kavli Royal Society Centre in Buckinghamshire, June 2-3, 2010  
<http://royalsociety.org/metallic-metamaterials/>  
Contact: Bill Barnes, W.L.Barnes@exeter.ac.uk

[organized by COST Plasmonics partner]  
6th Workshop on Numerical Methods for Optical Nano Structures  
Monday, July 5 - Tuesday, July 6, 2010 + short course Wednesday, July 7, 2010  
ETH Zurich, building ETF, room C 1  
<http://alphard.ethz.ch/Hafner/Workshop/Workshop2010.htm>  
Organizer and contact: Christian Hafner, [christian.hafner@ifh.ee.ethz.ch](mailto:christian.hafner@ifh.ee.ethz.ch)  
(<http://alphard.ethz.ch/Hafner/index.htm>)

NFO-11 (11<sup>th</sup> International conference on near-field optics, nanophotonics and related techniques), Peking University, Beijing, Aug. 30 – Sept 2, 2010  
Abstracts submission deadline: May 15, 2010.  
<http://www.nfo11.pku.edu.cn/announcement.html>

GRC Plasmonics, June 13-18, 2010, Colby College, Waterville, ME  
Deadline for applications submission: May 23, 2010  
<http://grcmail.grc.uri.edu/programs.aspx?year=2010&program=plasmonics>

EOS General meeting: Deadline 7 June 2010  
<http://www.myeos.org/events/eosam2010>

BiOS / OPTO - parts of SPIE Photonics West, 22 - 27 January 2011, The Moscone Center,  
San Francisco, California, USA  
Abstracts Due: 12 July 2010  
<http://spie.org/x7777.xml>, [http://spie.org/opto.xml?WT.mc\\_id=RPW11OCE](http://spie.org/opto.xml?WT.mc_id=RPW11OCE)

[organized by COST Plasmonics partner]  
NANOMETA 2011, The 3rd International Topical Meeting on Nanophotonics and  
Metamaterials, 3 - 6 January 2011 Seefeld ski resort, Tirol, Austria  
Call for papers opens August 1, 2010; Deadline for submission: October 1, 2010  
<http://www.nanometa.org>