

Newsletter, May 2012

Working groups meeting of COST Plasmonics will be co-located with Nanophotonics and Metamaterials conference at the EOS Annual meeting in Aberdeen, UK
September 25-28, 2012

NOTE - Abstracts submission by May 7th

http://www.myeos.org/events/eosam2012_tom3

Regular participation reimbursement scheme applies.

Management Committee and Working groups meetings of COST Plasmonics will be co-located with E-MRS Spring 2012 meeting, May 15, Strasbourg, France
Symposium O: Applied Nanoplasmonics: Nanoplasmonic Functional Materials and Devices

http://www.emrs-strasbourg.com/index.php?option=com_content&task=view&Itemid=132&id=480

- special one-day session 'Plasmonic Nanoantennas' (jointly with Symposium N).

During the meeting there will be given an outlook to FP7 MNP: FP7 NMP Call 2013 and the next framework program, by Dr. Patrick Furrer- <http://www.euresearch.ch/>

STSM: Short term Scientific Missions - if you plan a short (up to 6 months) visit to the partners lab - this is the instrument. Documents to be submitted to STSMs Coordinator

Dorota Pawlak: Dorota.Pawlak@itme.edu.pl:

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

COST Plasmonics sponsors the joint publications of the partners as 'Open Access' with various publishers (NPG, ACS, Wiley etc.). Please, send you enquiries to alexnd@chalmers.se

Every partner is welcome to submit the entries to Papers, Jobs and Events sections.

Papers

Simulating light scattering from supported plasmonic nanowires

V. D. Miljkovic, T. Shegai, P. Johansson, and M. Käll

Opt. Exp. 20, 10816 (2012)

<http://www.opticsinfobase.org/oe/abstract.cfm?uri=oe-20-10-10816>

Circular optical nanoantennas: an analytical theory

R. Filter, J. Qi (戚婧), C. Rockstuhl, and F. Lederer

Phys. Rev. B 85, 125429 (2012)

Quantum statistics of surface plasmon polaritons in metallic stripe waveguides

G. Di Martino, Y. Sonnefraud, S. Kéna-Cohen, M. Tame, S. K. Özdemir, M. S.

Kim, and S. A. Maier

Nano Lett., Article ASAP

<http://pubs.acs.org/doi/pdf/10.1021/nl300671w>

Subgroup decomposition of plasmonic resonances in hybrid oligomers

M. Rahmani, D. Y. Lei, V. Giannini, B. Lukiyanchuk, M. Ranjbar, T. Y. F. Liew,

M. Hong, and S. A. Maier

Nano Lett. 12, 2101 (2012)

<http://pubs.acs.org/doi/abs/10.1021/nl3003683>

Broad-band near-infrared plasmonic nanoantennas for higher harmonic generation
M. Navarro-Cia, and S. A. Maier
ACS Nano 6, 3537 (2012)
<http://pubs.acs.org/doi/abs/10.1021/nn300565x>

The Concept of a Near Field Raman Probe
E. Bortchagovsky and U. Fischer
Nanoscale 4, 885 (2012)
<http://pubs.rsc.org/en/Content/ArticleLanding/2012/NR/C2NR11330A>

A super-oscillatory lens optical microscope for subwavelength imaging
E. T. F. Rogers, J. Lindberg, T. Roy, S. Savo, J. E. Chad, M. R. Dennis and N. I. Zheludev
Nat. Mater., 11, 432 (2012)
<http://www.nature.com/nmat/journal/v11/n5/full/nmat3280.html>

On the possibilities to create a negative permittivity metamaterial with zero imaginary part of the permittivity at a specific frequency — electrical network theory approach
E. Berglind, P. Holmström, and L. Thylén
IEEE J. Quantum Electron. 48, 507 (2012)
<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6112654>

Jobs

Postdoc position in ultrafast optics and magneto(spin)plasmonics (plasmonics + magnetism) at Chalmers, Göteborg, Sweden
This postdoc position is within our new line of research – combination of nanoplasmonic and ferromagnetic materials = magnetoplasmonics that also spills into spintronics research. We primarily use spectroscopic magneto-optical Kerr effect (MOKE) to characterize the interaction of plasmons and magnetization in nanoferrromagnets. With this project we will expand our MOKE capabilities to the resolution in low fs- time domain.
Requirements: Previous experience with ultrafast optical studies is a prerequisite. Strong interest / previous experience in nanooptics / nanoplasmonics as well as in time-resolved MOKE is a merit.
Position starts ASAP.
Contact: Alexandre 'Sascha' Dmitriev, alexnd@chalmers.se
<http://www.chalmers.se/ap/EN/research/bionanophotonics/research/functional>

Postdoc positions at the University of Eastern Finland, Joensuu, Finland
Contact: Pasi Vahimaa, Pasi.Vahimaa@joensuu.fi
<http://www.uef.fi/fysmat>.

Events

Nanophotonics and Metamaterials conference at the EOS Annual meeting in Aberdeen, UK
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Active Plasmonics symposium at IEEE Summer topicals in Seattle, USA
July 9-11, 2012
<http://www.sum-ieee.org/>

Northern Optics 2012, Conference Centre Comwell, Borupgaard, Denmark
August 15-17th, 2012
Abstracts: by May 15th, 2012
<http://indico.conferences.dtu.dk/conferenceDisplay.py?confId=118>

Optics Within Life Sciences (OWLS), Genoa, Italy
July 4-6, 2012

<http://www.owls2012.org/>

2012 Gordon Research Conference: Plasmonics
June 10-15, 2012, Colby College, Waterville, ME, USA
Application: May 13, 2012

<http://www.grc.org/programs.aspx?year=2012&program=plasmonics>

International school of quantum electronics, Advances on nanophotonics IV
July 17-29 2012, Erice – Sicily, Italy

<http://w3.uniroma1.it/nanophotonic/>

Registration deadline: June 15, 2012

[Partner network event, COST Action Nano-IBCT]

Symposium on atomic cluster collisions

July 18-23, 2013, Wuhan-Chongqing, China

<http://fias.uni-frankfurt.de/isacc/>

Previous meeting of the series: <http://fias.uni-frankfurt.de/isacc2011/index.php/>