



## NEWSLETTER – June 2010

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:

Real-space imaging of nanoplasmonic resonances (review) R. Vogelgesang and A. Dmitriev *Analyst* 135, 1175 (2010)

<http://www.rsc.org/publishing/journals/AN/article.asp?doi=C000887G>

Experimental realization of subradiant, superradiant, and Fano resonances in ring/disk plasmonic nanocavities Y. Sonnefraud, N. Verellen, H. Sobhani, G.A.E. Vandenbosch, V. V. Moshchalkov, P. Van Dorpe, P. Nordlander, and S. A. Maier *ACS Nano* 4, 1664 (2010) <http://pubs.acs.org/doi/abs/10.1021/nn901580r>

Nanofocusing radially-polarized beams for high-throughput funneling of optical energy to the near field M. Agio, X.-W. Chen, and V. Sandoghdar *Opt. Exp.* 18, 10878 (2010)

<http://www.opticsinfobase.org/oe/abstract.cfm?uri=oe-18-10-10878>

Light scattering by an array of electric and magnetic nanoparticles B. García-Cámara, F. Moreno, F. González, and O. J. F. Martín *Optics Express* 18, 10001 (2010)

<http://www.opticsinfobase.org/oe/abstract.cfm?uri=oe-18-10-10001>

### Silicon-based plasmonic waveguides

A. V. Krasavin, A. V. Zayats

*Opt. Exp.* 18, 11791 (2010)

<http://www.opticsinfobase.org/oe/abstract.cfm?URI=oe-18-11-11791>

Amplified spontaneous emission of surface plasmon polaritons and limitations on the increase of their propagation length P. M. Bolger, W. Dickson, A. V. Krasavin, L. Liebscher, S. G. Hickey, D. V. Skryabin, A. V. Zayats *Opt. Lett.* 35, 1197 (2010)

<http://www.opticsinfobase.org/ol/abstract.cfm?URI=ol-35-8-1197>

Net optical gain in a plasmonic waveguide embedded in a fluorescent polymer M. C. Gather, K. Meerholz, N. Danz and K. Leosson *Nature Photon.*, Advance online

publication

<http://www.nature.com/nphoton/journal/vaop/ncurrent/full/nphoton.2010.121.html>

Funding:

[partner network]

ESF Network PLASMON-BIONANOSENSE: Applications are open for short and long term visits and conferences/workshops, [www.esf.org/plasmon](http://www.esf.org/plasmon)

Jobs:

Lectureship - Department of Physics, King's College London.

Applications are invited for a Lectureship in Experimental Biophysics or Nanotechnology, to commence from September 2010 or as soon as possible thereafter. The successful candidate will have a strong research record and a proposed research programme in one or more of the following areas: biophotonics; cell imaging; single molecule biophysics; nanoparticles; nanophotonics and plasmonics.

The appointee will be expected to engage in internationally-leading research and maintain an outstanding track record of research in this area, and contribute to undergraduate and postgraduate teaching and other academic activities within the Department of Physics.

For further particulars and application details, please see

[http://www.kcl.ac.uk/depsta/pertra/vacancy/external/pers\\_detail.php?jobindex=8876](http://www.kcl.ac.uk/depsta/pertra/vacancy/external/pers_detail.php?jobindex=8876).

Closing date: 11 June 2010.

Events:

[organized by COST Plasmonics partner]

Nanooptics school (3 ECTS), 3rd-7th September 2010, iNANO, Århus (Fuglsøecenter), Denmark.

This intensive 5 days course aims at giving an insight into various fields of modern nanooptics and photonics and its applications ranging from physics to biology. Topics will include advanced microscopy, plasmonics, optical fibers, photonic crystals and a broad range of concepts and techniques within these fields will be covered. The course is aimed at a broad interdisciplinary audience of PhD students with interest in various aspects of nanooptics. The course will be held on September 3rd-7th 2010 at the Fuglsøecenter near the Mols beach areas. It will consist of lectures, discussions, and poster sessions, where students present their own work. The lectures at the summer school will be given by leading international scientists with a range of complementary expertise with the area of nanooptics

<http://www.inanoschool.au.dk/for-phd-students/phd-courses/courses-2010/n7-nanooptics>

Registration deadline: July 12, 2010

2010 MRS Fall Meeting

November 29 - December 3, 2010

; Exhibit: November 30-December 2, 2010

Boston, Massachusetts, USA

Abstract deadline: June 22, 2010

Note - Symposium M: Resonant Optical Antennas-Sensing and Shaping Materials

[http://www.mrs.org/s\\_mrs/sec.asp?CID=16777&DID=216967](http://www.mrs.org/s_mrs/sec.asp?CID=16777&DID=216967)

BiOS / OPTO / LASE - 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=RPW110CE](http://spie.org/opto.xml?WT.mc_id=RPW110CE),

<http://spie.org/x13198.xml>

[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>