

Newsletter, November 2011

STSM: Short term Scientific Missions - 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:

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

Reminder: every partner is welcome to submit the entries to Papers, Jobs and Events sections.

Papers

Designer Magnetoplasmonics with Nickel Nanoferrromagnets

V. Bonanni, S. Bonetti, T. Pakizeh, Z. Pirzadeh, J. Chen, J. Nogués, P. Vavassori, R. Hillenbrand, J. Åkerman, and A. Dmitriev
Nano Lett., Article ASAP (2011)

<http://pubs.acs.org/doi/abs/10.1021/nl2028443>

Gold nanoparticles for plasmonic biosensing: The role of metal crystallinity and nanoscale roughness

J.-C. Tinguely, I. Sow, C. Leiner, J. Grand, A. Hohenau, N. Felidj, J. Aubard, J.R. Krenn
BioNanoScience, advanced online (2011) doi: 10.1007/s12668-011-0015-4

<http://www.springerlink.com/content/n764561457w71302/>

Waveguide-integrated SPR sensing on an all-organic platform

J.R. Krenn, N. Galler, H. Diltbacher, A. Hohenau, B. Lamprecht, E. Kraker, G. Jakopic, T. Mayr

Proc. SPIE 8073, 80730F (2011), doi:10.1117/12.886627

http://spie.org/x648.html?product_id=886627

Semishells: versatile plasmonic nanoparticles

P. Van Dorpe and J. Ye

ACS Nano 5, 6774 (2011)

<http://pubs.acs.org/doi/abs/10.1021/nn203142k>

Compact Antenna for Efficient and Unidirectional Launching and Decoupling of Surface Plasmons

A. Baron, E. Devaux, J.-C. Rodier, J.-P. Hugonin, E. Rousseau, C. Genet, T. W. Ebbesen, and P. Lalanne

Nano Lett. 11, 4207 (2011)

<http://pubs.acs.org/doi/abs/10.1021/nl202135w>

Chiral Metamaterial Composed of Three-Dimensional Plasmonic Nanostructures

C. Helgert, E. Pshenay-Severin, M. Falkner, C. Menzel, C. Rockstuhl, E.-B. Kley, A. Tünnermann, F. Lederer, and T. Pertsch

Nano Lett. 11, 4400 (2011)

<http://pubs.acs.org/doi/abs/10.1021/nl202565e>

Plasmonic trapping with realistic dipole nanoantennas: Analysis of the detection limit

A. Lovera and O. J. F. Martin

Appl. Phys. Lett. 99, 151104 (2011)

http://apl.aip.org/resource/1/applab/v99/i15/p151104_s1

Controlling Terahertz Radiation with Nanoscale Metal Barriers Embedded in Nano Slot Antennas

H.-R. Park, Y.-M. Bahk, K. J. Ahn, Q.-H. Park, D.-S. Kim, L. Martín-Moreno, F. J. García-Vidal, and J. Bravo-Abad

ACS Nano 5, 8340 (2011)

<http://pubs.acs.org/doi/abs/10.1021/nn2031885>

THz Generation from Plasmonic Nanoparticle Arrays

D. K. Polyushkin, E. Hendry, E. K. Stone, and W. L. Barnes

Nano Lett., Article ASAP, DOI: 10.1021/nl202428g

<http://pubs.acs.org/doi/abs/10.1021/nl202428g>

Virtual Issue: Collective phenomena in photonic, plasmonic and hybrid structures

Opt. Exp. 19, 22024 (2011)

http://www.opticsinfobase.org/oe/virtual_issue.cfm?vid=154

Jobs

Postdoctoral Researcher Nanopore Fluidics at IMEC, Leuven, Belgium.

https://jobs.imec.be/sap/bc/webdynpro/sap/hrrcf_a_posting_apply?PARAM=cG9zdF9pbmN0X2d1aWQ9RTBCRjVCQjc1QjZDQzJGMThCRjgwMDUwNTZBQzQ0QTgmY2FuZF90eXBIPUVYVA%3d%3d&sap-client=400&sap-language=EN&sap-ep-themeroot=%2fsap%2fpublic%2fbc%2fur%2firis

Contact: Pol Van Dorpe, pvandorp@imec.be

8 Early Stage Researcher (PhD student) positions at The Finnish Graduate School of Modern Optics and Photonics (MOF), University of Eastern Finland at the Joensuu or Kuopio, Finland.

Info on the Graduate School: www.uef.fi

Department and Photonics research: www.uef.fi/mof

Contact: Pasi Vahimaa, pasi.vahimaa@uef.fi or the coordinator of the graduate school, Noora Heikkilä, noora.heikkila@uef.fi.

Events

Nanolight 2012, Benasque, Spanish Pyrenees, Spain.

Deadline for abstract submission: November, 1.

This conference is organized by the Spanish research consortium Nanolight,

<http://nanolight.es/team>.

More info at <http://benasque.org/2012nanolight/>

META'12, the 3rd International Conference on Metamaterials, Photonic Crystals and Plasmonics

19 – 22 April 2012, Paris, France

Special Session Proposal deadline: 4 November 2011

Abstract submission deadline: 17 November 2011

<http://meta12.metaconferences.org>

SPIE Photonics Europe 2012

16 - 20 April 2012, Brussels, Belgium

Abstracts submission: November 7 2011

<http://spie.org/photonics-europe.xml>

E-MRS Spring 2012

May 14-18, Strasbourg, France

Abstracts submission: January 12 2012

<http://www.emrs->

[strasbourg.com/index.php?option=com_content&task=view&id=428&Itemid=160](http://www.emrs-strasbourg.com/index.php?option=com_content&task=view&id=428&Itemid=160)

Symposium N: Control of light at the nanoscale: materials, techniques and applications

http://www.emrs-strasbourg.com/index.php?option=com_content&task=view&Itemid=132&id=481

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