

Newsletter, April 2011

COST Plasmonics Working Groups 1-5 + MC meetings: April 21, 2011
co-located with SPIE Optics+Optoelectronics
18 - 21 April 2011, Prague Congress Centre, Prague, Czech Republic
<http://spie.org/optics-optoelectronics.xml>

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):

- 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

Structure of plasmonic aerogel and the breakdown of the effective medium approximation

M. D. W. Grogan, S. C. Heck, K. M. Hood, S. A. Maier, and T. A. Birks

Opt. Lett. 36, 358 (2011)

<http://www.opticsinfobase.org/ol/abstract.cfm?uri=ol-36-3-358>

Formation of metal nanoparticles in silicon nanopores: Plasmon resonance studies

S. Polisski, B. Goller, S. C. Heck, S. A. Maier, M. Fujii, M., and D. Kovalev

Appl. Phys. Lett. 98, 011912 (2011)

http://apl.aip.org/resource/1/applab/v98/i1/p011912_s1

Plasmonic interactions between overlapping nanowires

D. Y. Lei, A. Aubry, S. A. Maier and J. B. Pendry

ACS Nano 5, 597 (2011)

<http://pubs.acs.org/doi/abs/10.1021/nn102819p>

Sub-10 nm patterning of gold nanostructures on silicon-nitride membranes for plasmon mapping with electron energy-loss spectroscopy

A. L. Koh, D. W. McComb, S. A. Maier, H. Y. Low and J. K. W. Yang

J. Vac. Sci. Technol. B 26, C6045 (2010)

http://avspublications.org/jvstb/resource/1/jvtbd9/v28/i6/pC6045_s1

Diabolo Nanoantenna for Enhancing and Confining the Magnetic Optical Field

T. Grosjean, M. Mivelle, F. I. Baida, G. W. Burr, and U. C. Fischer

Nano Lett., 11, 1009 (2011)

<http://pubs.acs.org/doi/abs/10.1021/nl103817f>

Dressing Plasmons in Particle-in-Cavity Architectures

F. M. Huang, D. Wilding, J. D. Speed, A. E. Russell, P. N. Bartlett, and J. J. Baumberg

Nano Lett., 11, 1221 (2011)

<http://pubs.acs.org/doi/abs/10.1021/nl104214c>

Influence of surface roughness on the optical properties of plasmonic nanoparticles

Truegler, A., Tinguely, J.-C., Krenn, J.R., Hohenau, A., Hohenester, U.

Phys. Rev. B 83, 081412(R) (2011)

<http://prb.aps.org/abstract/PRB/v83/i8/e081412>

Jobs

Post-doctoral research associate (24 months) in electrochemical plasmonics at the Department of Physics, School of Natural and Mathematical Sciences, King's College London, UK. The work focuses on electrochemical fabrication of plasmonic and semiconductor nanostructures.

Details: http://www.kcl.ac.uk/depsta/pertra/vacancy/external/pers_detail.php?jobindex=10044

Contact: Prof. Anatoly Zayats, a.zayats@kcl.ac.uk

Events

[organized by COST Plasmonics partner]

Nanoplasmonic Sensors and Spectroscopy, September 18-22, 2011 at Chalmers, Göteborg, Sweden.

Sunday, Sept. 18 - tutorials sessions.

Abstracts submission: May 15, 2011 (orals); June 30, 2011 (posters)

www.chalmers.se/nss2011

7th International Conference on Photonics, Devices and Systems - Photonics Prague 2011
August 24-26 2011, ARTEMIS Olympik Hotel – Congress Center, Prague, Czech Republic

Abstracts submission: June 1, 2011

<http://prague2011.photon-czsk.org/>

ICTON 2011: The 13th International Conference on Transparent Optical Networks

COST Actions MP0702 (Sub-Wavelength Photonics) and MP0805 (Gain Materials and Devices Based on III-V-N Gain Devices) are having their 2011 annual events co-located with this event

June 26 - 30, 2011, Royal Institute of Technology (KTH), Stockholm, Sweden

Contributions submission deadline: March 31, 2011

<http://www.itl.waw.pl/icton2011>