

Newsletter, March 2011

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

COST Plasmonics invites applications to host the hands-on training school(s): it is our commitment to spread the experimental and theoretical (methodological) hands-on knowledge in the plasmonics community, thus we aim at supporting focused events where participants learn in practice a particular (new) technique or real practical aspects of the established one. Example: Hole-mask Colloidal Lithography (HCL) training school (<http://www.chalmers.se/ap/EN/research/bionanophotonics/adverts/hcl>). If you would like to organize/host such event to share your knowledge with the community - please, contact me directly at alex.d@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):

- 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

Enhancing the Radiative Rate in III–V Semiconductor Plasmonic Core–Shell Nanowire Resonators

C. E. Hofmann, F. J. Garcia de Abajo, and H. A. Atwater
Nano Lett. 11, 372 (2011)
<http://pubs.acs.org/doi/abs/10.1021/nl102878b>

Plasmon Line Shaping Using Nanocrosses for High Sensitivity Localized Surface Plasmon Resonance Sensing

N. Verellen, P. Van Dorpe, C. Huang, K. Lodewijks, G. A. E. Vandenbosch, L. Lagae, and V. V. Moshchalkov
Nano Lett. 11, 391 (2011)
<http://pubs.acs.org/doi/abs/10.1021/nl102991v>

Fluorescence Near Gold Nanoparticles for DNA Sensing

Y. Cheng, T. Stakenborg, P. Van Dorpe, L. Lagae, M. Wang, H. Chen, G. Borghs
Anal. Chem., Article ASAP (2011)
<http://pubs.acs.org/doi/abs/10.1021/ac102463c>

Nanoplasmonic sensing and QCM-D as ultrasensitive complementary techniques for kinetic corrosion studies of aluminum nanoparticles

M. Schwind, C. Langhammer, B. Kasemo, I. Zoric
Appl. Surf. Sci., Article in Press (2011)
<http://dx.doi.org/10.1016/j.apsusc.2011.01.073>

Metallic Nanodot Arrays by Stencil Lithography for Plasmonic Biosensing Applications

O. Vazquez-Mena, T. Sannomiya, L. G. Villanueva, J. Voros, and J. Brugger
ACS Nano, 5, 844 (2011)

<http://pubs.acs.org/doi/pdf/10.1021/nn1019253>

Jobs

3 PhD positions at Nanophotonics and metrology lab (NAM), EPFL (Lausanne, Switzerland).
(1) Engineering radiative and non-radiative optical interactions in plasmonic systems; (2) Modelling plasmonic nanostructures in complex surroundings; (3) Plasmonic biosensing.
Contact: Prof. Olivier J. F. Martin, olivier.martin@epfl.ch
<http://nam.epfl.ch/openpos.html>

Postdoc in nanoplasmonics - optical manipulation of nanostructures for biomedical applications at Chalmers, Göteborg, Sweden
Contact: Prof. Mikael Käll, mikael.kall@chalmers.se
<http://www.chalmers.se/ap/EN/news/vacancies/positions/nanoplasmonics-optical>

Postdoc position (1 year) - Ellipsometry of magnetic materials, University of Artois, Lens, France (collaboration between the thin film division of Horiba Scientific, ellipsometer manufacturer, and the Research Unit on Catalysis and Solid State Chemistry- Unit of Artois)
Contact: Marc Warenghem, UCCS-Artois: marc.warenghem@univ-artois.fr
Tel : +33 (0)3 21 60 17 30
Michel Stchakovsky, Horiba Scientific: michel.stchakovsky@horiba.com
Tel : +33 (0)1 64 54 13 00

Postdoc position (up to 3 years) - Plasmonics and gain: underpinning science (focus on experimental part, with possibility for theoretical modeling) at Electromagnetic Materials Group in the School of Physics at University of Exeter, UK,
<http://newton.ex.ac.uk/research/emag/>.
Details: <http://www.jobs.ac.uk/job/ACG904/associate-research-fellow/>
Contact: Professor Bill Barnes, W.L.Barnes@exeter.ac.uk

Master in Photonics: International Master's Degree Programme in Photonics in University of Eastern Finland, Joensuu, Finland, www.uef.fi/masterphotonics.
No tuition fees. Scholarships available.
Contact: Prof. Pasi Vahimaa, pasi.vahimaa@uef.fi

Events

Electromagnetic and light scattering XIII
September 26-30, 2011, Taormina, Italy
Abstract submissions: March 7, 2011
<http://elsxiii.unime.it/>

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>

