

Newsletter, January 2012

Working groups meeting of COST Plasmonics will be co-located with E-MRS Spring 2012 meeting, May 17, Strasbourg, France – see below for more info.

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

Management Committee meeting of COST Plasmonics will be co-located with SPIE Photonics Europe, 16 - 19 April 2012, Square Brussels Meeting Centre, Brussels, Belgium

<http://spie.org/x12290.xml>

New partner COST Action: Nanoscale insights into Ion Beam Cancer Therapy, Nano-IBCT. The Action focuses on biomedical applications of nanoparticles and study plasmon excitations in atomic clusters and nanoparticles, among other subjects. We are welcoming exploratory STSMs between the partners of both networks.

<http://fias.uni-frankfurt.de/nano-ibct/>

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 alexd@chalmers.se

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

Papers

A Source-Model Technique for analysis of wave guiding along chains of metallic nanowires in layered media

D. Szafranek and Y. Leviatan

Opt. Express 19, 25397 (2011)

<http://www.opticsinfobase.org/oe/abstract.cfm?uri=oe-19-25-25397>

Single-Photon Generation by Electron Beams

X. Bendaña, A. Polman, and F. J. García de Abajo

Nano Lett. 11, 5099 (2011)

<http://pubs.acs.org/doi/abs/10.1021/nl1034732>

Control of nanoparticle aggregation in aerogel hosts

M. D. W. Grogan, S. C. Heck, L. M. Xiao, R. England, S. A. Maier & T. A. Birks

J. Non-Cryst. Solids 358, 241 (2011)

<http://www.sciencedirect.com/science/article/pii/S0022309311005874>

Plasmonic sinks for the selective removal of long-lived states

S. Kéna-Cohen, A. Wiener, Y. Sivan, P. N. Stavrinou, D. D. C. Bradley, A. Horsfield &

S. A. Maier

ACS Nano 5, 9958 (2011)

<http://pubs.acs.org/doi/abs/10.1021/nn203754v>

Three-dimensionally isotropic negative refractive index materials from block copolymer self-assembled chiral gyroid networks

K. Hur, Y. Francescato, V. Giannini, S. A. Maier, R. G. Henning & U. Wiesner

Angew. Chem. Int. Ed. 50, 11985 (2011)

<http://onlinelibrary.wiley.com/doi/10.1002/anie.201104888/abstract>

Nanoplasmonics: Engineering and observation of localized plasmon modes

Y. Sonnefraud, A. L. Koh, D. W. McComb & S. A. Maier

Laser & Photon. Rev., doi: 10.1002/lpor.201100027 (2011)

<http://onlinelibrary.wiley.com/doi/10.1002/lpor.201100027/abstract>

Surface plasmon coupled emission using conjugated light-emitting polymer films

H. Yoon, S. A. Maier, D. C. C. Bradley & P. N. Stavrinou

Opt. Mater. Express 1, 1127 (2011)

http://www.opticsinfobase.org/DirectPDFAccess/D3C77FB0-AFD9-C67E-AC383BF0D3528162_222643/1127.html

Numerical simulation of attosecond nanoplasmonic streaking

E. Skopalová, D. Y. Lei, T. Witting, C. Arrell, F. Frank, Y. Sonnefraud, S. A. Maier, J. W. G.

Tisch & J. P. Marangos

New J. of Phys. 13, 083003 (2011)

<http://iopscience.iop.org/1367-2630/13/8/083003>

Plasmonic Biosensors

A. Dahlin

IOS Press, 2011

<http://www.iospress.nl/book/plasmonic-biosensors/>

Real Time Indirect Nanoplasmonic in situ Spectroscopy of Catalyst Nanoparticle Sintering

E. M. Larsson, J. Millet, S. Gustafsson, M. Skoglundh, V. P. Zhdanov, and C. Langhammer

ACS Catalysis, Just Accepted, DOI: 10.1021/cs200583u (2011)

<http://pubs.acs.org/doi/abs/10.1021/cs200583u>

Mie plasmons: modes volumes, quality factors and coupling strengths (Purcell factor) to a dipolar emitter

G. Colas Des Francs, S. Derom, R. Vincent, A. Bouhelier, and A. Dereux

Int. J. Opt. (2012)

<http://www.hindawi.com/journals/ijo/aip/175162/>

Launching Propagating Surface Plasmon Polaritons by a Single Carbon Nanotube Dipolar Emitter

N. Hartmann, G. Piredda, J. Berthelot, G. Colas des Francs, A. Bouhelier, and A. Hartschuh

Nano Letters, Article ASAP (2012), doi: 10.1021/nl203270b

<http://pubs.acs.org/doi/abs/10.1021/nl203270b>

Light scattering under nanofocusing: Towards coherent nanoscopies

A. Mohammadi, M. Agio

Opt. Comm., doi 10.1016/j.optcom.2011.12.074 (2011)

<http://www.sciencedirect.com/science/article/pii/S003040181101457X>

Jobs

Postdoc in nanofluidics and nanoplasmonics at Chalmers, Göteborg, Sweden

<http://www.nature.com/naturejobs/science/jobs/238893-Post-Doc-Research-Position-in-Nanofluidics-and-Nanoplasmonics-at-Chalmers-University-of-Technology-Gothenburg-Sweden>

Application deadline: February 15, 2012

Start of the position: Spring/summer 2012

Contact: Christoph Langhammer, clangham@chalmers.se; Fredrik Westerlund, fredrikw@chalmers.se

Events

[Working groups meeting of COST Plasmonics will be co-located with this event]

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

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

2nd International Conference on Frontiers of Plasmonics (FOP)

April 8-12, 2012, Sichuan University, Chengdu, China

Abstracts submission: February 29, 2012

<http://nano.iphy.ac.cn/FOP2/FOP2.html>

PIERS 2012

August 17-23, 2012, Moscow, Russia

Abstract submission: March 20, 2012

<http://piers.org/piers2012Moscow/>

Metamaterials' 2012: The 6th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics

September 17-22, 2012, St. Petersburg, Russia

Abstract submission: March 23, 2012

<http://congress2012.metamorphose-vi.org/>

International Brokerage Event with F2F meetings: a platform to initiate international R&D projects in nanotechnologies, materials and industrial processes and to boost the innovation. The event is supported by the European Commission.

May 24, Lausanne, Switzerland

Registration deadline: April 25, 2012

<http://www.b2match.eu/meetatnano/>

NFO12: Near-field Optics, Nanophotonics and Related Techniques 2012

September 3-6, 2012, Donostia – San Sebastian, Basque Country, Spain

Abstracts submission: April 26, 2012.

<http://www.nfo12.org>

[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/>

