

Newsletter, October 2011

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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](mailto: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)

#### Papers

A bimetallic nanoantenna for directional colour routing

T. Shegai, S. Chen, V. D. Miljković, G. Zengin, P. Johansson and M. Käll

Nat. Commun. 2:481 (2011), doi:10.1038/ncomms1490

[http://www.nature.com/ncomms/journal/v2/n9/abs/ncomms1490.html?WT.ec\\_id=NCOMMS-20110920](http://www.nature.com/ncomms/journal/v2/n9/abs/ncomms1490.html?WT.ec_id=NCOMMS-20110920)

Thickness dependence of plasmonic charge carrier generation in ultrathin a-Si:H layers for solar cells

V. Gusak, B. Kasemo, and C. Hagglund

ACS Nano 5, 6218 (2011)

<http://dx.doi.org/10.1021/nn201074z>

Electrochemical plasmonic sensors

A. B. Dahlin, B. Dielacher, P. Rajendran, K. Sugihara, T. Sannomiya, M. Zenobi-Wong and J. Vörös

Anal. Bioanal. Chem., published online (2011), DOI 10.1007/s00216-011-5404-6

<http://www.springerlink.com/content/g4h4270128x836j0/>

Hydride Formation in Single Palladium and Magnesium Nanoparticles Studied By Nanoplasmonic Dark-Field Scattering Spectroscopy

T. Shegai, C. Langhammer

Adv. Mater. 23, 4409 (2011)

<http://onlinelibrary.wiley.com/doi/10.1002/adma.201101976/abstract>

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. Phys. 13, 083003 (2011)

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

Random lasing in low molecular weight organic thin films

S. Kéna-Cohen, P. N. Stavrinou, D. D. C. Bradley, & S. A. Maier

Appl. Phys. Lett. 99, 041114 (2011)

[http://apl.aip.org/resource/1/applab/v99/i4/p041114\\_s1](http://apl.aip.org/resource/1/applab/v99/i4/p041114_s1)

Lattice resonances in antenna arrays for liquid sensing in the terahertz regime

B. Ng, S. M. Hanham, V. Giannini, Z. C. Chen, M. Tang, Y. F. Liew, N. Klein, M. H. Hong & S. A. Maier

Opt. Exp. 19, 14653 (2011)

<http://www.opticsinfobase.org/abstract.cfm?uri=oe-19-15-14653>

Bridging electromagnetic and carrier transport calculations for three-dimensional modelling of plasmonic solar cells

X. Li, N. P. Hylton, V. Giannini, K.-H. Lee, N. J. Ekins-Daukes, & S. A. Maier

Opt. Exp. 19, A888 (2011)

<http://www.opticsinfobase.org/oe/abstract.cfm?uri=oe-19-104-A888>

Fano resonances in nanoscale plasmonic systems: a parameter-free modeling approach

V. Giannini, Y. Francescato, H. Amrania, C. C. Phillips, & S. A. Maier

Nano Lett. 11, 2835 (2011)

<http://pubs.acs.org/doi/abs/10.1021/nl201207n>

A. I. Fernández-Domínguez and S. A. Maier

New design principles for nanoplasmonics

IEEE Photonics Journal 3, 284 (2011)

[https://workspace.imperial.ac.uk/experimentalsolidstate/Public/Stefan%20Maier/Breakthroughs\\_in\\_photonics\\_2010.pdf](https://workspace.imperial.ac.uk/experimentalsolidstate/Public/Stefan%20Maier/Breakthroughs_in_photonics_2010.pdf)

## Jobs

PhD / Postdoc position - Nano-Optics / Nanobiophotonics group, University of Muenster, Germany

Further info: [http://www.uni-](http://www.uni-muenster.de/Physik.PI/Fuchs/available_positions/available_positions.html)

[muenster.de/Physik.PI/Fuchs/available\\_positions/available\\_positions.html](http://www.uni-muenster.de/Physik.PI/Fuchs/available_positions/available_positions.html))

Contact: Christiane Hoepfener, [christiane.hoepfener@wwu.de](mailto:christiane.hoepfener@wwu.de)

10 post-doctoral researcher positions: Department of Physics and Mathematics, University of Eastern Finland

Information on the university: [www.uef.fi](http://www.uef.fi) and the department: [www.uef.fi/fysmat](http://www.uef.fi/fysmat)

Contact: Pasi Vahimaa, [pasi.vahimaa@uef.fi](mailto:pasi.vahimaa@uef.fi)

More info on positions: [http://www.uef.fi/uef/avoimet-](http://www.uef.fi/uef/avoimet-tyopaikat1?p_p_id=101_INSTANCE_lo5M&p_p_lifecycle=0&p_p_state=normal&p_p_mode=view&p_p_col_id=column-2&p_p_col_pos=2&p_p_col_count=3&_101_INSTANCE_lo5M_struts.action=%2Fasset_publisher%2Fview_content&_101_INSTANCE_lo5M_urlTitle=20110908-ten-postdoc-researcher-positions-at-the-uef&_101_INSTANCE_lo5M_type=content&redirect=%2Fuef%2Favoimet-tyopaikat)

[tyopaikat1?p\\_p\\_id=101\\_INSTANCE\\_lo5M&p\\_p\\_lifecycle=0&p\\_p\\_state=normal&p\\_p\\_mode=view&p\\_p\\_col\\_id=column-2&p\\_p\\_col\\_pos=2&p\\_p\\_col\\_count=3&\\_101\\_INSTANCE\\_lo5M\\_struts.action=%2Fasset\\_publisher%2Fview\\_content&\\_101\\_INSTANCE\\_lo5M\\_urlTitle=20110908-ten-postdoc-researcher-positions-at-the-uef&\\_101\\_INSTANCE\\_lo5M\\_type=content&redirect=%2Fuef%2Favoimet-tyopaikat](http://www.uef.fi/uef/avoimet-tyopaikat1?p_p_id=101_INSTANCE_lo5M&p_p_lifecycle=0&p_p_state=normal&p_p_mode=view&p_p_col_id=column-2&p_p_col_pos=2&p_p_col_count=3&_101_INSTANCE_lo5M_struts.action=%2Fasset_publisher%2Fview_content&_101_INSTANCE_lo5M_urlTitle=20110908-ten-postdoc-researcher-positions-at-the-uef&_101_INSTANCE_lo5M_type=content&redirect=%2Fuef%2Favoimet-tyopaikat)

## Events

31th Progress in Electromagnetics Research Symposium (PIERS)

March 27-30, 2012 in Kuala Lumpur, Malaysia

Abstract submission: October 20, 2011

<http://piers.org/>

AES 2012, Advanced Electromagnetics Symposium

April 16 - 19, 2012, Paris, France

Abstracts submission: October 21 2011

<http://aes12.mysymposia.org>

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](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](http://www.emrs-strasbourg.com/index.php?option=com_content&task=view&Itemid=132&id=480)