

Newsletter, Dec. 2009

Papers

Electron Energy-Loss Spectroscopy (EELS) of Surface Plasmons in Single Silver Nanoparticles and Dimers: Influence of Beam Damage and Mapping of Dark Modes
Ai Leen Koh, Kui Bao, Imran Khan, W. Ewen Smith, Gerald Kothleitner, Peter Nordlander, Stefan A. Maier and David W. McComb
ACS Nano 3, 3015 (2009)
<http://pubs.acs.org/doi/abs/10.1021/nn900922z>

Broadband spoof plasmons and subwavelength electromagnetic energy confinement on ultrathin metafilms
Miguel Navarro-Cía, Miguel Beruete, Spyros Agrafiotis, Francisco Falcone, Mario Sorolla, and Stefan A. Maier
Optics Express 17, 18184 (2009)
<http://www.opticsinfobase.org/abstract.cfm?URI=oe-17-20-18184>

Journal of Raman Spectroscopy
Special Issue: Tip-enhanced Raman Spectroscopy
<http://www3.interscience.wiley.com/journal/122648531/issue>

Eugene G. Bortchagovsky, Ulrich C. Fischer
A tetrahedral tip as a probe for tip-enhanced Raman scattering and as a near-field Raman probe
Journal of Raman Spectroscopy 40, 1386 (2009)
<http://www3.interscience.wiley.com/cgi-bin/fulltext/122545705/PDFSTART>

Weihua Zhang, Xudong Cui, Olivier J. F. Martin
Local field enhancement of an infinite conical metal tip illuminated by a focused beam
Journal of Raman Spectroscopy 40, 1338 (2009)
<http://www3.interscience.wiley.com/cgi-bin/fulltext/122580898/PDFSTART>

Events

- 28th Progress in Electromagnetics Research Symposium (PIERS) to be held on July 5-8, 2010 in Cambridge, USA.
<http://piers.mit.edu/piers/>
The submission deadline of one-page abstract is December 20, 2009.
http://piers.mit.edu/piers2010cambridge/submit/submit_new.php

The first energy conference to be organised by ESF - along with EuCheMS, E-MRS and EPS:
April 2010 in Barcelona (www.e2c-2010.org/).
Deadline: **15th of December, 2009**

Reminder:

Functionalized plasmonic nanostructures for biosensing (18th-23rd of April 2010) + associated WG2 meeting (reimbursement of COST partners)
<http://www.bioplasmonics.ethz.ch>
Location: Centro Stefano Franscini in Ascona, near the Lago Maggiore in southern Switzerland.
Abstract submission - 8th of January 2010
Contact: Dr. Mario Agio (ph. +41 44 632 3322, mario.agio@phys.chem.ethz.ch)

STSM Report:

7-22.03.2009

Guest: Florian Fontein, Westfaelische Wilhelms Universitaet Muenster, Muenster(DE)
Host: Prof. Thierry Grosjean, Institut FEMTO-ST, UMR CNRS, Besançon(FR)
Subject: Plasmonic near field probe

15-20.11.2009

Guest: Jing Rao, Tyndall National Institute, Cork(IE)
Host: Prof. Robert Pollard, Queens Univ. of Belfast, Belfast(UK)
Subject: Plasmonic Modelling at QUB

25.10.2009 – 15.12.2009

Guest: Tiberiu Rosenzveig, Science Institute, Univ. of Iceland, Reykjavik (IS)
Host: Prof. Carsten Reinhardt, Laser Zentrum Hannover, Hannover(DE)
Subject: Fabrication and characterization of dielectric-loaded surface plasmon polariton waveguides

8.11.2009 – 16.12.2009

Guest: Andrzej Stefanski, Institute of Electronic Materials Technology, Warsaw (PL)
Host: Prof. Maria Kafesaki, IESL-FORTH, Heraklion (GR)
Subject: Modeling of propagation of electromagnetic waves in self-organized structures

11.01.2010 – 17.01.2010

Guest: Johan Christensen, University of Madrid, Madrid (ES)
Host: Prof. William Barnes, University of Exeter, Exeter(UK)
Subject: Acoustic metamaterial experimental lab in the School of Physics, Exeter