

Plasmonica 2014 – Workshop at Sapienza University of Rome

	MONDAY, JUNE 30TH		TUESDAY, JULY 1ST	WEDNESDAY, JULY 2ND
			Quantum Plasmonics	Integrated Devices
		9,00-9,15	Giuliana Di Martino, Observation of Quantum Interference in the Plasmonic Hong-Ou-Mandel	Emilie Sakat, Metal-dielectric guided mode resonance structures and applications to infrared imaging
		9,20-9,35	Filippo Alpegiani, Strong Coupling Between Surface Plasmons and Point-like Emitters	Cristian Ciraci, Probing the Enhancement of Third-Harmonic Generation in Plasmonic Nanostructures
		9,40-9,55	Vincenzo Giannini, Plasmon induced Casimir forces between graphene sheets	Francesco Pastorelli, Enhancements for optical cavity build opaque and semitransparent solar cells
10,30-13,00	Registration, Edificio Marconi (Vecchio Edificio Fisica), Sapienza Università di Roma, Piazzale Aldo Moro 2	10,00-10,15	Filippo Romanato, Generation of Orbital Angular Momentum states of light by means of holey plasmonic vortex lenses	Marta Castro-Lopez, Integrated nano-plasmonics: reflecting a waveguide mode with a single nanoantenna
		10,20-11,20	<i>poster session 1 +coffe break</i>	<i>poster session 2 +coffe break</i>
11,30-11,45	Introduction: Dipartimento di Fisica and CLNS-IIT representatives		Hybrid Devices	Unconventional Materials
11,50-12,15	Progetti ERC e FET (Francesco De Angelis, Paolo Biagioni)	11,20-11,35	Alessandro Belardini, Optical linear and circular dichroism tailoring of self-organised plasmonic nanostructures	Alessandra Di Gaspare, Terahertz plasmon cavity modes in a heterostructure transistor
	Plasmonics for Biology and Medicine	11,40-11,55	Ermanno Miele, Rationale solute delivery on Plasmon based ultrasensitive device via tailored surface wettability	Fausto D'Apuzzo, Dirac plasmons of Topological Insulators
12,20-12,35	Michele Dipalo, Combining Plasmonics and Electronics 3D Plasmonic Nanoantennas for Neuroscience Applications	12,00-12,15	Valeria Giliberti, Fabrication of Scanning Probe Tips out of Epitaxial Germanium	Boris Kalinic, Variation of the emission rate of Er ³⁺ ions in silica by interaction with plasmonic nanostructures
12,40-12,55	Maria Grazia Manera, Magneto-plasmonic transducers tailored at the nanoscale for biosensing applications	12,20-12,35	Davide Ramaccia, Horn Nano-antenna : efficient wideband radiator at near infrared and optical frequencies	Michela Badioli, Graphene-mediated electrical control of Er ³⁺ spontaneous emission
13,00-13,20	Giulia Rusciano, Tip-Enhanced Raman Scattering of Bacillus subtilis spore surface	12,40-12,55	Gabriele C. Messina, Multifunctional Plasmonic Structures for analyte concentration and surface enhanced detection	Luca Razzari, Terahertz Nanoantennas for Enhanced Spectroscopy
13,20-14,20	<i>lunch break</i>	13,00-14,00	<i>lunch break</i>	<i>Conclusions: Michele Ortolani, Leonetta Baldassarre</i>
14,20-14,55	Progetti COST (Pietro Gucciardi, Mario Agio)		Spectroscopy and Imaging	
		14,00-14,15	Odeta Limaj, Ultra-sensitive time-resolved infrared spectroscopy of biomolecule interactions	
	Nanoantennas	14,20-14,35	Andrea Toma, 3D plasmonic nanostructures as recyclable building blocks	
15,00-15,15	Carlo Forestiere, Theory of Fano-like resonances in sub-wavelength plasmonic nanostructures	14,40-14,55	Mario Malerba, Optical properties and SEIRA spectroscopy from 3D plasmonic nanotubes	
15,20-15,35	Simone Panaro, Dark to bright mode conversion on dipolar nanoantennas: A symmetry breaking approach	15,00-15,15	Niccolò Caselli, Simultaneous imaging by plasmonic near-field probe	
15,40-15,55	Gianluca Ruffato, High aspect ratio Split Ring Resonators featuring hybrid horizontal-vertical plasmonic resonances	15,20-15,35	Milena Baselli, Near-field scattering analysis of gold gap nanoantennas	
16,00-16,15	Leonetta Baldassarre, Mid-infrared germanium antennas resonating close to their screened plasma frequency	15,40-15,55	Massimo Placidi, Technical presentation HORIBA	
16,20-17,20	<i>poster session 1 +coffe break</i>	16,00-17,00	<i>poster session 2 +coffe break</i>	
17,30-19,00	<i>Round table 1: Tecnologie chiave di fabbricazione e simulazione: conti separati? (italiano)</i>	17,00-19,00	<i>Round table 2 Spettroscopia e plasmoni: un matrimonio di interesse? (italiano)</i>	
			Conference Banquet afterdinner talk: Riccardo Sapienza	