

Friday, 7th July

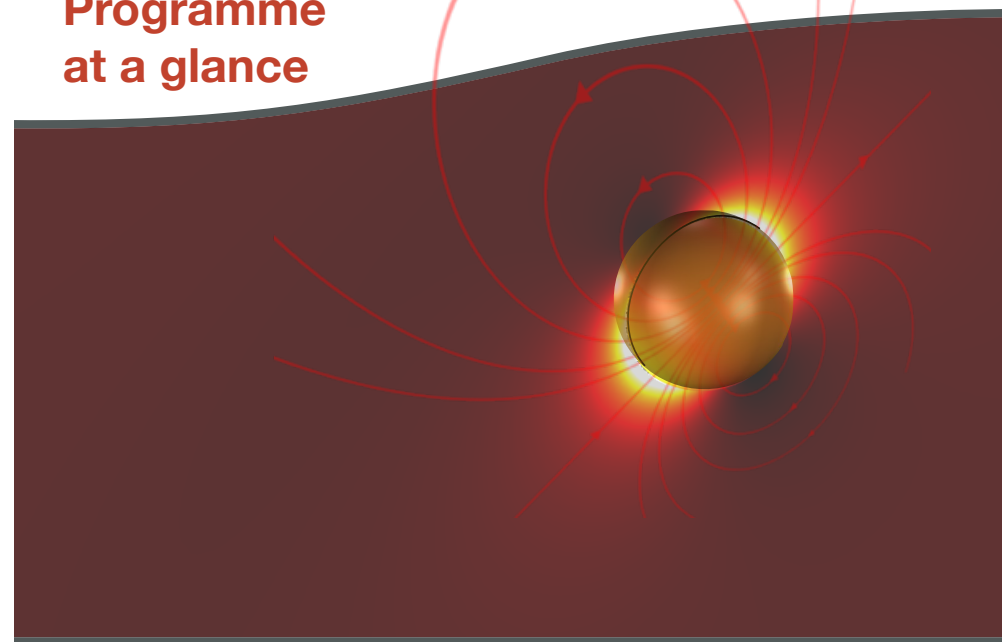
09:00 - 10:30	[S5A] Plasmon-based Imaging and Ultrafast Dynamics <i>Chairman: Giovanni Mattei</i>
09:00 - 09:30	Niek Van Hulst - <i>Tracking femtosecond dynamics at the nanoscale</i>
09:30 - 09:45	Chiara Novara - <i>Microfluidic SERS chips for the selective detection of miRNAs in biological matrixes</i>
09:45 - 10:00	Patrick O'Keeffe - <i>Ultrafast transient optical properties of silver nanoclusters</i>
10:00 - 10:15	Vito Mocella - <i>Enhanced fluorescence emission and Raman scattering using bound states in the continuum of a photonic crystal membrane</i>
10:15 - 10:30	Matteo Ardini - <i>Plasmonic silver-alkyne nanoclusters as putative intracellular SERS-active probes</i>
10:30 - 11:00	COFFEE BREAK
11:00 - 12:30	[S5B] Plasmon-based Imaging and Ultrafast Dynamics <i>Chairman: Milena De Giorgi</i>
11:00 - 11:15	Francesca Intonti - <i>Deep-subwavelength hyper spectral imaging and tuning of individual disorder modes</i>
11:15 - 11:30	Valeria Giliberti - <i>Near-field Infrared spectroscopy of Bacteriorhodopsin hydration state in single purple membrane</i>
11:30 - 11:45	Giovanni Pellegrini - <i>Local field enhancement: comparing self-similar and dimer nanoantennas</i>
11:45 - 12:00	Roberto Tricarico - <i>Material-independent modes for electromagnetic scattering from nanoparticles</i>
12:00 - 12:15	Luca De Stefano - <i>Silica-gold nano devices for biomedical applications</i>
12:15 - 12:30	Gabriele C. Messina - <i>Efficient injection of hot electrons in water through plasmonic nanoelectrodes</i>
12:30 - 14:30	LUNCH
14:30 - 16:15	[S6] Optical Antennas for Sensing and Biodetection <i>Chairman: Vittorianna Tasco</i>
14:30 - 15:00	Stefan Maier - <i>Hybrid nanostructures for sub-wavelength imaging, nonlinear optics, and chemistry</i>
15:00 - 15:15	Nicola Palombo Blascetta - <i>Tilted dipolar plasmonic antenna for super resolution imaging on LH2 light harvesting complexes</i>
15:15 - 15:30	Fulvio Ratto - <i>Bio-inspired strategies to target the tumor microenvironment with gold nanorods</i>
15:30 - 15:45	Benjamin Demirdjian - <i>Following with a high sensitivity the adsorption of gases on nanoparticles by indirect nanoplasmonic sensing</i>
15:45 - 16:00	Attilio Zilli - <i>Quantitative measurement of the optical cross-sections and optical sizing of individual nano-objects</i>
16:00 - 16:15	Ionut Gabriel Balasa - <i>Plasmonic arrays of nanostructures for biosensing: extended vs localized plasmons</i>
16:15 - 16:30	BEST ORAL AND POSTER AWARDS CLOSING REMARKS

PLASMONICA 2017

July 5-7, 2017 | Lecce, Italy

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**Programme
at a glance**



Wednesday, 5th July

14:15 - 14:30	OPENING
14:30 - 16:15	[S1] Novel Plasmonic Materials, Structures and Devices <i>Chairman: Michele Ortolani</i>
14:30 - 15:00	Laura Na Liu - <i>Dynamic nanoplasmonics</i>
15:00 - 15:15	Marianna Casavola - <i>Nanocrystals and ordered superstructures with tunable plasmonic properties in the Near-Infrared</i>
15:15 - 15:30	Leonetta Baldassarre - <i>Mid-Infrared plasmonic platform based on Ge-on Si: waveguiding and molecular sensing with germanium nano-structures</i>
15:30 - 15:45	Mauricio Pilo-Pais - <i>Zig-Zag chains of metallic nanoparticles self-assembled using DNA-templates</i>
15:45 - 16:00	Arrigo Calzolari - <i>Beyond noble metals: plasmonic properties of alternative materials</i>
16:00 - 16:15	Simona Scarano - <i>Functional poly(dimethylsiloxane)-gold nanoparticles composite nanomaterials: an in situ synthesis approach</i>
16:15 - 16:45	COFFEE BREAK
16:45 - 18:30	[S2] Magneto-Plasmonics and Exotic Phenomena <i>Chairman: Giuseppe Strangi</i>
16:45 - 17:15	Antonio García-Martín - <i>Resonant magneto-optically active structures: external control and enhancement</i>
17:15 - 17:30	Cesar de Julian Fernandez - <i>Nanostructure, magnetic and hyperthermia properties of Fe oxide@Gold magneto-plasmonic heterostructures</i>
17:30 - 17:45	Filippo Capolino - <i>Plasmonic nanoprobe enabling photoinduced magnetic and chiral force microscopy</i>
17:45 - 18:00	Alessandro Belardini - <i>Extrinsic chirality in self-assembled GaAs nanowires partially covered by gold studied by different optical techniques</i>
18:00 - 18.15	Francesco Pineider - <i>Plasmon-enhanced magneto-optical detection of single-molecule magnets</i>
18:15 - 18:30	Maria Grazia Donato - <i>Optical trapping of plasmonic particles and hybrid systems</i>

Thursday, 6th July

09:00 - 10:30	[S3A] Linear and Nonlinear Light-Matter Interactions in Plasmonics <i>Chairman: Francesco De Angelis</i>
09:00 - 09:30	Jaime Gomez Rivas - <i>Plasmonic surfaces for solid state lighting, strong light-matter coupling and polariton lasing</i>
09:30 - 09:45	Radoslaw Jurga - <i>Towards the limits of nonlocal plasmonic models in the strong coupling regime</i>
09:45 - 10:00	Michele Celebrano - <i>Evidence for cascaded third harmonic generation in non-centrosymmetric gold nanoantennas</i>
10:00 - 10:15	Francesco Todisco - <i>Plexcitonic coupling evolution by dynamic molecular aggregation</i>
10:15 - 10:30	Vincenzo Giannini - <i>Plasmonics with topological insulator nanoparticles</i>
10:30 - 11:00	COFFEE BREAK
11:00 - 12:30	[S3B] Linear and Nonlinear Light-Matter Interactions in Plasmonics <i>Chairman: Paolo Biagioni</i>
11:00 - 11:15	Riccardo Sapienza - <i>Nanoscale photonic networks to trap and control light</i>
11:15 - 11:30	Emmanuel Cottancin - <i>Fano transparency in rounded nanocube dimers induced by gap plasmon coupling</i>
11:30 - 11:45	Filipa R. Prudêncio - <i>Asymmetric Cherenkov emission in a topological plasmonic waveguide</i>
11:45 - 12:00	Gwénaëlle Lamri - <i>Active control of the photoluminescence emitted by quantum dots using metallic nanoparticles and photochromic molecules</i>
12:00 - 12:15	Francesco Pastorelli - <i>Printed organic smart devices characterized by nonlinear optical microscopy</i>
12:15 - 12:30	Roberto Gaspari - <i>Intermediate band semiconductor nanocrystals as a general class of plasmonic-like materials with zero free carriers</i>
12:30 - 14.30	LUNCH
14:30 - 16:15	[S4] Quantum and Tunneling Plasmonics <i>Chairman: Antonio De Luca</i>
14:30 - 15:00	Javier Aizpurua - <i>Driving plasmonics to the atomic scale</i>
15:00 - 15:15	Emanuele Coccia - <i>Dissipation and dephasing for molecules close to plasmonic nanoparticles: an ab initio approach</i>
15:15 - 15:30	Nikolai Schmitt - <i>3D simulations of spatial dispersive metals with a Finite Element Time Domain method</i>
15:30 - 15:45	Dean Kos - <i>Plasmonic rulers track the smallest graphene oxygen tank</i>
15:45 - 16:00	Shuiyan Cao - <i>A microsource of light from an electrically excited plasmonic lens</i>
16:00 - 16:15	Vanessa Knittel - <i>Optical control of plasmonic devices for single-electron nanotunneling</i>
16:15 - 16:30	COFFEE BREAK
16:30 - 18:00	Poster Session
18:00 - 19:00	Round Table
20:00 - 23:00	Social Dinner