

NanoPlasm 2016

13-17 June, 2016- Grand Hotel San Michele (Italy)

Detailed Program

MONDAY, June 13th 2016

08:30	OPENING CEREMONY	
Chair: G. Strangi		
9:00-9:45	N. Engheta	Plenary: "Tailoring Fields and Waves in Extreme Platforms"
9:45-10:15	A. Boltasseva	Transition Metal Nitrides and Transparent Conducting Oxides for Near-Infrared Photonics
10:15-10:40	T. Shahbazyan	Universal local density of states for nanoplasmonics
10:40-11:05	Coffee Break	
Chair: M. Wegener		
11:05-11:35	F. De Angelis	Three-dimensional nanostructures for bio-photonics and neuro-plasmonics
11:35-12:00	G. Rosolen	Absorption tunability of asymmetrically doped graphene nano-disk dimers
12:00-12:30	F. Bilotti	Super-spherical core-shell nanoparticles: Nanostructured materials enabling applications in the visible regime
13:00-14:30	Lunch	
Chair: F. De Angelis		
16:30-17:15	S. Maier	Plenary: "Applications of plasmonic and dielectric nanoantennas in nanophotonics"
17:15-17:45	M. Wegener	3D laser lithography for nano-photonics and metamaterials
17:45-18:30	Coffee Break	
Chair: F. Bilotti		
18:10-18:35	M. El Kabbash	Highly directional enhanced spontaneous emission in out-of-plane plasmonic nanoantennas
18:35-19:05	M. Martini	Use of gadolinium-based hybrid nanoparticles for enhanced radiation therapy guided by MRI
19:05-19:30	N. Rahbany	Towards integrated optics at the nanoscale: plasmon-emitter coupling using plasmonic structures
20:15-21:30	Welcome drinks & Dinner	

TUESDAY, June 14th 2016

Chair: N. Engheta

9:00-9:50	O. Maragò	Plenary: “Optical forces at the mesoscale”
9:45-10:15	F. Capasso R.C. Devlin	Dielectric Metasurfaces for High Performance Visible Planar Optics
10:15-10:40	V. Salgueiriño	Manipulation of Magnetic Nanoparticles for Bio-related Applications
10:40-11:05	<i>Coffee Break</i>	

Chair: O. Maragò

11:05-11:35	D. Sanvitto	Exciton-Polaritons: from Micro to Nano Scale
11:35-12:00	M.A. Iati	Light scattering and localization in large random aggregates of particles. A study through the Transition matrix approach
12:00-12:30	M. A. Correa-Duarte	Hierarchical Plasmonic Nanostructured Materials: Synthesis and Applications
13:00-14:30	<i>Lunch</i>	

Chair: A. Boltasseva

16:00-16:45	N.I. Zheludev	Plenary: “Quantum metamaterials and quantum optics with metamaterials”
16:45-17:15	Z. Jacob	Super-Coulombic Dipole-Dipole Interactions in Hyperbolic Media
17:15-18:15	<i>Coffee Break + Poster</i>	

Chair: F. Capolino

18:15-18:40	V. Caligiuri	Dielectric singularities for extreme light manipulation at the nanoscale
18:40-19:10	S. Vignolini	Cellulose Photonics: from nature to applications
19:10-19:35	R. Castagna	Label-free Sensitive detection of Specific Bacterial Pathogens using Immobilized Bacteriophages on 2D Photonic Quasi Crystals Nanostructures
19:35	“Daniela Pucci” Prize	
20:15-21:30	<i>Dinner</i>	

WEDNESDAY, June 15th 2016

Chair: P. Barois

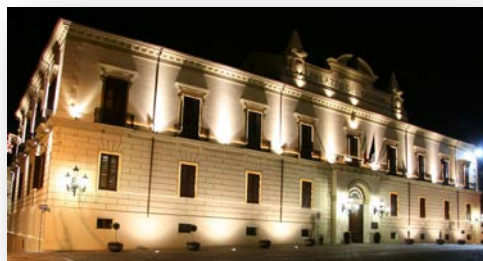
9:00-9:45	V. M. Shalaev	Plenary: “New Material Platforms for Nanophotonics”
9:45-10:15	F. Capolino	Photo-induced nano magnetism: field enhancement, contrast and forces
10:15-10:40	M.G.Donato	Light-induced rotations of chiral microparticles in optical tweezers
10:40-11:05	<i>Coffee Break</i>	

Chair: P.M. Adam

11:05-11:35	R. Bachelot	Probing complex plasmonic fields with molecular nanomotors
11:35-12:00	R. Barberi	Endothelial-like nitric oxide synthase immunolocalization by using gold nanoparticles and dyes
12:00-12:30	B. Palpant	Hot electrons widen the promises of localized plasmons
13:00-14:30	<i>Lunch</i>	

15.30 - Night

Social Event with Dinner:



Visit of Cosenza Historic District Cathedral (11th century), Rendano Theater and Swabian Castle (10th century) - The Dinner will be held in the Old Government Palace (Chef Barbieri)

THURSDAY, June 16th 2016

Chair: S. Vignolini

9:00-9:45	N.Steinmetz	Plenary: "From pathogen to cure: plant virus-based theranostics"
9:45-10:15	U.A.Gurkan	Quantitative Assessment of Cellular and Protein Adhesion in Microfluidic Channels
10:15-10:40	M.H.Hamza	ZnO Nanostructures for Mid-IR Plasmonics
10:40-11:05	<i>Coffee Break</i>	

Chair: N. Steinmetz

11:05-11:35	W.M.Park	Review of Current Applications of Nano-Technologies and Meta Materials in Medicine and Future Unmet Needs: Translation of Science to Healthcare Innovations
11:35-12:00	P.O'Keeffe	Heat Dissipation and Localised Melting in Self-Assembled Dye-Stabilised Gold Nanoparticle Systems
12:00-12:30	G. Caracciolo	Emerging Exploitation of Gold Nanorods in Theranostics
13:00-14:30	<i>Lunch Break</i>	

Chair: R. Bartolino

16:00-16:45	P. Barois	Plenary: "Isotropic Optical Magnetism in Visible Light in a Self-Assembled Bulk Metamaterial"
16:45-17:15	P.M. Adam	Non-linear optical properties of plasmonic nano-antennas
17:15-18:15	<i>Coffee Break + Poster</i>	

Chair: A. De Luca

18:15-18:40	J. Marae	Angular Plasmon Response of Gold Nanoparticles Arrays: Approaching the Rayleigh Limit
18:40-19:10	R. Sapienza	Light generation and scattering in a photonic network of sub-wavelength nanofibres
19:10-19:35	M. De Santo	Viscoelastic response of the human corneal stroma induced by riboflavin/UVA cross-linking
20:15-21:30	<i>Gala Dinner</i>	