

Mercoledì 3 Maggio			
Starting	Ending	Event	Span
09:00	13:30	Welcoming @ Hotel San Michele, Cetraro	04:30
12:30	14:00	Lunch	01:30
14:00	14:10	Meeting Opening - G.Gigli	00:10
14:10	14:20	Materials - Platform Overview - M. Losurdo	00:10
		Materials - Highlights	
14:20	14:30	The core of a Nanoparticle: the Heart of a Device - M. Losurdo	00:10
14:30	14:40	Templated growth of hybrid halide perovskites - S. Colella	00:10
14:40	14:50	Paper-Like Interferential Mirrors - R. Barberi	00:10
14:50	15:00	The surface chemistry of colloidal semiconductor nanocrystals - C. Giansante	00:10
15:00	15:10	Topological defects in anisotropic soft materials for templating functional nanoparticles - B. Zappone	00:10
15:10	15:20	Graphene sheet resistance: wide range tuning by chemical and plasma processes - G.V. Bianco	00:10
15:20	15:30	Discotic and columnar mesophases with High charge mobility: a good candidate for applications in innovative devices - R. Termine	00:10
		Materials - Project Discussion	
15:30	15:45	III-Nitrides and SiC Heterogeneous Integration Strategies for Applications in Extreme Environments - M. Losurdo	00:15
15:45	16:00	Materials and Devices for Cyber-Physical Security - R. Barberi	00:15
16:00	16:15	Production Platform of Graphene and 2D-TMDs Materials - G. Bruno	00:15
16:15	16:30	NPs Directed Growth and Guided Assembling in 0D-4D Templating Soft Materials - M. Giocondo	00:15
16:30	16:45	Integration between Hyperbolic Metamaterials and Chiral Meta-Surfaces for advanced innovative functionalities - G. Strangi	00:15
16:45	17:15	Projects Discussion	00:30
17:15	17:35	Coffee break	00:20
17:35	18:05	Projects Discussion	00:30
18:05	18:15	Photonics & Optoelectronics - Platform Overview - A. Mazzulla	00:10
		Photonics & Optoelectronics - Highlights	
18:15	18:25	Resonant Gain Singularities in 1D and 3D Metal/Dielectric Multilayered Nanostructures - A. De Luca	00:10
18:25	18:35	ERC -POLAFLOW: Polariton condensates: from fundamental physics to quantum based devices - L. Dominici	00:10
18:35	18:45	Non-linear plasmonic - L. Dominici	00:10
18:45	18:55	Holographic Imaging Reveals the Mechanism of Wall Entrapment in Swimming Bacteria - S. Bianchi	00:10
18:55	19:05	Opto-mechanics of chiral microparticles - A. Mazzulla	00:10
19:05	19:15	Chiral Metamaterials - V. Tasco	00:10
		Photonics & Optoelectronics - Projects Discussion	
19:15	19:30	Nonlinear Quantum Computation (strong light-matter coupling to enhance single particle interaction, generation and detection) - D. Sanvitto	00:15
19:30	19:45	Non-Classical Phenomena in macroscopic quantum systems - D. Sanvitto	00:15
19:45	20:45	Projects Discussion	01:00
20:45		Dinner	

Giovedì 4 Maggio			
Starting	Ending	Event	Span
09:00	09:10	Advanced Devices - Platform Overview - A. Passaseo	00:10
		Advanced Devices - Highlights	
09:10	09:20	Development of hybrid-organic photovoltaic devices - L. De Marco	00:10
09:20	09:30	Hybrid Photovoltaic devices based on 2D materials - A. Rizzo	00:10
		Advanced Devices - Project Discussion	
09:30	09:45	Multi-functional Smart Windows for energy saving	00:15
09:45	10:00	Supramolecular properties of organic semiconductors: Chiral and Crystal OLEDs	00:15
10:00	10:15	Innovative Multitransduction sensing platform for single ultra-low-weight molecules A. Passaseo	00:15
10:15	11:00	Project Discussion	00:45
11:00	11:15	Coffee break	00:15
11:15	11:45	Project Discussion	00:30
11:45	11:55	Nano-Biotechnology - Platform Overview - V. Arima	00:10
		Nano-Biotechnology - Highlights	
11:55	12:05	Nanosensore basato su metamateriali per la diagnosi iniziale dei tumori G. Strangi	00:10
12:05	12:15	Imaging avanzato per lo studio di malattie neurodegenerative – A. Cedola	00:10
12:15	12:25	Plasmas for Health – P. Favia	00:10
12:25	12:35	Magnetic Diagnostic Assay for neurodegenerative diseases (Progetto europeo Madia) G. Maruccio	00:10
12:35	12:45	Light controlled 3D micro-motors powered by bacteria R. Di Leonardo/C. Maggi	00:10
12:45	14:15	Lunch	01:30
		Nano-Biotechnology - Project Discussion	
14:15	14:30	Tecniche avanzate di imaging 3D mediante tomografia con raggi X e luce coerente A. Cedola/R. Di Leonardo	00:15
14:30	14:35	Multifunctional theranostic nanosystems for medicine - S. Leporatti	00:05
14:35	14:45	Tailoring polydopamine nanostructures for innovative biomedical solutions - M. Ambrico	00:10
14:45	14:55	Nanoparticles – protein interactions: protein corona and its bio-dynamics A. De Giacomo	00:10
14:55	15:10	Plasma for Tissue Engineering and Cancer Therapy - P. Favia	00:15
15:10	15:25	Controllo dell'adesione tra materiale biologico e superfici sintetiche tramite proteine di organismi marini e polimeri biomimetici– B. Zappone	00:15
15:25	16:45	Project Discussion	01:20
		Fondazione Con il Cuore	
16:45	16:50	Saluti della Fondazione	00:05
16:50	17:00	M.F. Quattrone Capua - Founder Partner Dike Law Firm	00:10
17:00	17:15	Coffee break	00:15
17:15	17:30	Large Facilities - STAR (R. Barberi)	00:15
		Technology Transfer & Exploitation - Chair: V. Maiorano - F. Matteucci	
17:30	17:45	Opening - Joint Lab Model - V. Maiorano	00:15
17:45	18:15	Modelli di exploitation nel settore health negli Usa M. Cotichia - V. President Henry Ford Health System	00:30
18:15	18:30	Modello ed esperienza di exploitation del nanotechnology living lab - R. Giannantonio	00:15
18:30	18:50	Modello di exploitation collegato al mondo dei venture capitalist H Verri - Rerum Novarum	00:20
18:50	19:10	OPEN DISCUSSION	00:20
19:10	19:25	Third Mission Session Il Cnr Nanotec e il Public engagement - G. Zammillo	00:15
19:25	19:40	Third Mission Session - Discussion	00:15
19:40	19:55	Administrative Session - E. Sansone	00:15
19:55	20:10	Administrative Session - Discussion	00:15
20:10	21:10	Welcome Cocktail & Interviews FCIC	01:00
21:10	21:10	Dinner	

Venerdì 5 Maggio			
Starting	Ending	Event	Span
09:00	09:10	Plasma Physics and Technologies - Platform Overview - O. De Pascale	00:10
		Plasma Physics and Technologies - Highlights	
09:10	09:20	"APULIA SPACE": Plasmi per l'aerospazio - G. Colonna	00:10
09:20	09:30	Nanoparticle Enhanced Laser Induced Breakdown Spectroscopy (NELIBS): fast elemental analysis of inorganic and biological samples - A. De Giacomo	00:10
09:30	09:40	Plasma-assisted CO2 conversion - L. D.Pietanza	00:10
		Plasma Physics and Technologies - Project Discussion	
09:40	09:55	Plasma metamaterials for novel interactions between plasmas and waves - F. Taccogna	00:15
09:55	10:10	Plasma as a route to a sustainable organic farming - P. F. Ambrico	00:15
10:10	10:25	Sviluppo di sorgente di ioni negativi per applicazioni in fusione e in scienza dei materiali F. Taccogna	00:15
10:25	11:00	Project Discussion	00:35
11:00	11:15	Coffee break	00:15
11:15	11:45	Project Discussion	00:30
11:45	11:55	Modeling Theory and Computation - Platform overview - L. Leuzzi	00:10
		Modeling Theory and Computation - Highlights	
11:55	12:05	Inverse problem for interacting waves - L. Leuzzi	00:10
12:05	12:15	THOR e i processi dissipativi nei plasmi - L. Sorriso-Valvo	00:10
12:15	13:45	Lunch	01:30
		Modeling Theory and Computation - Project Discussion	
13:45	14:00	Inferenza statistica per imaging ad alta risoluzione in endoscopia - L. Leuzzi	00:15
14:00	14:15	Processi dissipativi e dispersivi nei plasmi non collisionali: diagnostica e modellizzazione - L. Sorriso-Valvo	00:15
14:15	15:15	Project Discussion	01:00
15:15	15:30	Final Remarks - G. Gigli	00:15