

Plan 12 September

9:00 - 17:00			ROOM
SCHOOL ON NANOTECHNOLOGIES: Basics - PATTERN TRANSFER Co-organized with It-Fab / Chair: Vittorio MORANDI, CNR-IMM & Lorenza FERRARIO, FBK			
DEMO EVENT I		DEMO EVENT II	
CIQTEK SEM LIVE DEMO - Rome is the place to be for microscopists In collaboration with Media System Lab		DRIVEAFM: INNOVATIONS, TRENDS AND FUTURE PERSPECTIVES IN AFM APPLICATION Co-organized with: Quantum Design Italy & Nanosurf	
9:00 - 10:30			
TT.V.A	Flexible storage energy devices Co-organized with iEntrance@ENL - Chair: Andrea LAMBERTI, Polytechnic University of Turin		
TT.V.B WS.XI.1	NanoMicroFab Open Lab Co-organized with NanoMicroFAB & NanoMicroFAB@STESI - Chair: Fabrizio ARCIPRETE, University of Tor Vergata		
TT.V.C WS.VIII.1	Stress in Thin Films Co-organized with Roma Tre University, Sapienza University of Rome - Chair: Marco SEBASTIANI, Roma Tre University		
TT.V.D WS.V.1	Superconducting devices: design and microfabrication of superconducting devices and components: challenges and solutions Co-organized with FBK - Chair: Massimo BERSANI, FBK		
TT.V.E WS.II.5	Turning Carbon Challenges into Opportunities: CO2 Reduction to Value-added Products Co-organized with Polytechnic University of Turin - Chair: Francesca RISPLENDI, Polytechnic University of Turin		
TT.V.F WS.VI.1	Biomaterials for nanomedicine and drug delivery Co-organized with INL - Chair: Andrea CAPASSO, INL, Portugal & Mattia BRAMINI, UGR, Spain		
TT.V.G WS.IX.5	Thermal Energy Storage 1/2 Co-organized with ENEA - Chair: Raffaele LIBERATORE, ENEA		
TT.V.H SE.I.8	Regenerative medicine: current applications, challenges and future directions Co-organized with University Magna Graecia of Catanzaro - Chair: Francesca MEGIORNI, Sapienza University of Rome		
TT.V.I SE.I.9	Structural and Surface properties of nanomaterials Co-organized with: to be defined - Chair: to be defined		
TT.V.J WS.I.1	Nanomedicine: Successful Stories Co-organized with University of Modena and Reggio Emilia, Don Gnocchi Foundation - Chair: Giovanni TOSI, University of Modena and Reggio Emilia & Marzia BEDONI, Don Gnocchi Foundation		
TT.V.K WS.IX.9	Automation and high throughput research 1/2 Co-organized with ENEA - Chairs: Massimo CELINO & Francesco BUONOCORE, ENEA		
10:50 - 11:30			
PL.II.A	Flavio COGNIGNI, Carl Zeiss S.p.A. Integrating advanced multimodal microscopy and artificial intelligence solutions for failure analysis in electronics and semiconductors		
PL.II.B	Luisa DE COLA, University of Milano, Istituto di Ricerche Farmacologiche Mario Negri, IRCCS, Milano & Institute of Nanotechnology, and Karlsruhe Institute of Technology (KIT), Germany Hybrid nanomaterials for targeting and killing tumors		
PL.II.C	Federica MANTEGAZZINI, FBK Superconducting quantum devices at FBK: from single circuit components to the first qubit made in Italy		
11:30 - 13:00			
TT.VI.A	Advances in Additive Manufacturing of Metal Alloys Co-organized with ENEA - Chairs: Giovanni DI GIROLAMO & Daniele MIRABILE GATTIA, ENEA and Giuseppe BARBIERI, ENEA-CALEF		
TT.VI.B	Innovative materials for biomedical applications Co-organized with University of Reggio Calabria - Chairs: Giuliana FAGGIO & Giacomo Messina, University of Reggio Calabria and Matia Penelope DE SANTO, University of Reggio Calabria & CNR-Nanotec		
TT.VI.C WS.VIII.2	Strain in Semiconductor Materials 1/2 Co-organized with Roma Tre University, Sapienza University of Rome - Chair: to be defined, Roma Tre University		
TT.VI.E WS.II.6	Impacts of Energy Transition on the Urban Environment Co-organized with Polytechnic University of Turin - Chair: Maria FERRARA, Polytechnic University of Turin		
TT.VI.F WS.VI.2	Nanotechnology and neuromorpgic devices for understanding brain functionality Co-organized with INL - Chairs: Andrea CAPASSO, INL, Portugal & Mattia BRAMINI, UGR, Spain		
TT.VI.G WS.IX.6	Thermal Energy Storage 2/2 Co-organized with ENEA - Chair: Raffaele LIBERATORE, ENEA		
TT.VI.H SE.I.10	Hybrid and Composite nanomaterials for energy Co-organized with iEntrance Project, IPCB - Chair: Marco LAVORGNA, CNR-IPCB		
TT.VI.I SE.I.11	Preclinical, Clinical and Industrial Transfer Co-organized with University Magna Graecia of Catanzaro - Chair: Amedeo AMEDEI, University of Florence		
TT.VI.J WS.XI.2	NanoMicroFab@STESY infrastructure for sustainability Co-organized with NanoMicroFAB & NanoMicroFab@STESY - Chair: Marco FEROCI, INAF		
TT.VI.K WS.I.2	Nanomedicine: Progresses in Nanomedicine Co-organized with University of Modena and Reggio Emilia, Don Gnocchi Foundation & Federazione Nazionale degli Ordini dei Biologi - Chair: to be defined		
TT.VI.L WS.IX.10	Automation and high throughput research 2/2 Co-organized with ENEA - Chairs: Massimo CELINO & Francesco BUONOCORE, ENEA		
14:00 - 15:30			
TT.VII.A	Life in Space Co-organized with Thales Alenia Space - Chair: Marziale FEUDALE, Thales Alenia Space		
TT.VII.B WS.III.1	IPCEIs solutions Co-organized with AIRI, STMicroelectronics, Infineon - Chairs: Andrea PORCARI, AIRI & Cosimo MUSCA, STMicroelectronics		
TT.VII.C WS.VIII.3	Strain in Semiconductor Materials 2/2 Co-organized with Roma Tre University & Sapienza University of Rome - Chair: to be defined, Sapienza University of Rome (TBD)		
TT.VII.D	Innovative gas sensor solutions for environmental monitoring 1/2 Co-organized with FBK - Chair: Massimo BERSANI, FBK		
TT.VII.E WS.II.7	Novel Strategies for Energy Harvesting Co-organized with Polytechnic University of Turin - Chair: Stefano STASSI, Polytechnic University of Turin		
TT.VII.F WS.VI.3	Neuro-nanotechnology for brain disorder treatment Co-organized with INL - Chairs: Andrea CAPASSO, INL, Portugal & Mattia BRAMINI, UGR, Spain		
TT.VII.G WS.IX.7	Materials and Approches for Solar-Driven water splitting for Hydrogen Production: Perovskites and New Organic Compounds Co-organized with ENEA - Chair: Vera LA FERRARA, ENEA		
TT.VII.H SE.II.12	Photochemistry and Photophysics in energy conversion Co-organized with iEntrance Project - Chair: Raffaello MAZZARO, University of Palermo		
TT.VII.I SE.I.13	Nanomaterials characterization of nanomaterials Co-organized with to be defined - Chair: Antonia MANCUSO, University Magna Graecia of Catanzaro		
TT.VII.J SE.II.3	Session Flagship Project FP3 Co-organized with: to be defined - Chair: to be defined		
TT.VII.K WS.I.3	Nanomedicine: Innovation Co-organized with University of Modena and Reggio Emilia, Don Gnocchi Foundation & Federazione Nazionale degli Ordini dei Biologi Chairs: Giovanni TOSI, University of Modena and Reggio Emilia & Marzia BEDONI, Fondazione Don Gnocchi		
TT.VII.L WS.IX.11	Novel methodologies, models, and solutions for secure and cyber-resilient smart grids and multi-carrier energy systems 1/2 Co-organized with ENEA - Chair: Martina CALIANO, ENEA		
16:00 - 17:30			
TT.VIII.A WS.II.8 WS.IV.4	Life-cycle Assessment (LCA) and Safe and Sustainable-by-Design (SSbD) Co-organized with Polytechnic University of Turin & University of Milan - Chairs: Marzia QUAGLIO, Polytechnic University of Turin & Claudia Letizia Maddalena BIANCHI, University of Milan		
TT.VIII.B WS.III.2	IPCEIs solutions & matchmaking Co-organized with AIRI, STMicroelectronics & Infineon - Chairs: Andrea PORCARI, AIRI & Cosimo MUSCA, STMicroelectronics		
TT.VIII.C SE.II.4	Session Flagship Project FP4 Co-organized with: to be defined - Chair: to be defined		
TT.VIII.D	Innovative gas sensor solutions for environmental monitoring 2/2 Co-organized with FBK - Chair: Matteo VALT, FBK		
TT.VIII.E	Bio-inspired materials for advanced characterization, regenerative medicine and therapy Co-organized with University of Lyon, University of Salento - Chair: Stefano TACCONEI, University of Lyon & Laura GIANNOTTI, University of Salento		
TT.VIII.F WS.VI.4	Smart materials for neuro-applications Co-organized with INL - Chairs: Andrea CAPASSO, INL, Portugal & Mattia BRAMINI, UGR, Spain		
TT.VIII.G WS.IX.8	Hybrid energy storage for mobility (joint with EERA-ES) Co-organized with ENEA - Chair: Margherita MORENO, ENEA		
TT.VIII.H SE.I.14	Nanomaterials for catalytic processes Co-organized with iEntrance Project, STEMS - Chair: Gianluca LANDI, CNR-STEMS		
TT.VIII.I SE.I.15	Exploring the Future: Advances in 3D Bioprinting for Tissue Engineering and Regenerative Medicine Co-organized with Magna Graecia University of Catanzaro - Chair: Carmine GENTILE, University of Technology, Sydney		
17:45 - 19:15			
BO.2.A	Title to be defined Chair: Annukka SANTASALO-AARNIO, Aalto University, Finland		
BO.2.B	Innovative characterization tools and approaches for a sustainable energy transition Chair: Giulio LAMEDICA, Zeiss S.p.A.		
BO.2.C	Title to be defined: Rome Technopole - part. III Chair: to be defined		
BO.2.D	Photonic biosensing for point-of-care diagnostic systems Chairs: Massimo BERSANI, Leandro LORENZELLI and Laura PASQUARDINI, FBK		

