

Plan 11 September

9:00 - 16:45		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.I.A JE.I.1	Animal reproduction and the role of extracellular vesicles 1/2 Co-organized with Sapienza University of Rome, EVita, GEI-SIBSC - Chairs: Annalisa RADEGHIERI, EVita & Luciana DINI, Sapienza University of Rome GEI-SIBSC		
TT.I.B WS.X.1	Green chemistry and sustainable approaches for innovative materials 1/2 Co-organized with Sapienza University of Rome - Chair: Maria Laura SANTARELLI, Sapienza University of Rome		
TT.I.C	Innovations for enhanced performances DSSCs 1/2 Co-organized with University of Tor Vergata and Sapienza University of Rome - Chair: Marilena CARBONE, University of Tor Vergata		
TT.I.E WS.II.1	The role of H2 in the energy transition from production to use Co-organized with Polytechnic University of Turin - Chair: Giulia MASSAGLIA, Polytechnic University of Turin		
TT.I.F	Maskless Lithography Technologies for the Advanced Micro- and Nanofabrication Co-organized with Heidelberg Instruments, Gambetti Kenologia - Chairs: Volker HEINE & Vasileios THEOFYLAKTOPOULOS, Heidelberg Instruments		
TT.I.G WS.IX.1	Electrochemical Energy Storage: LIB - innovative electrolytes 1/4 Co-organized with ENEA - Chair: Giovanni Battista APPETECCHI, ENEA		
TT.I.H SE.I.1	Next-generation semiconductor devices for power electronics applications Co-organized with IENTRANCE@ENL, CNR-IMM - Chair: Simonpietro AGNELLO, University of Palermo		
TT.I.I SE.I.2	Artificial intelligence and Machine learning in digital health Co-organized with University Magna Graecia of Catanzaro - Chair: Alessia BRAMANTI, University of Salerno		
TT.I.J WS.IV.1	Materials for Environment 1/3 Co-organized with University of Milan - Chair: Claudia Letizia Maddalena BIANCHI, University of Milan		
10:50 - 11:30			
Parallel Lectures (PL.I) Sessions			
PL.I.A	Heiko STEGMANN - Carl Zeiss Microscopy, GmbH, Germany TEM lamella preparation in FIB-SEM: Optimization of quality, accuracy and throughput		
PL.I.B	Rossella CANESE - Istituto Superiore di Sanità - ISS MR spectroscopy in the study of human metabolism in health and disease		
PL.I.C	Radenka KRSMANOVIC WHIFFEN COST - the European Cooperation in Science and Technology COST – Driving Research Networks for Inclusive Excellence and Innovation		
11:30 - 13:00			
TT.II.A JE.I.2	Animal reproduction and the role of extracellular vesicles 2/2 Co-organized with Sapienza University of Rome, EVita, GEI-SIBSC - Chairs: Emily SCHIFANO, Sapienza University of Rome & Alice GUALERZI, EVita		
TT.II.B WS.VII.1	Wide-bandgap semiconductors and heterostructures for power and RF electronics 1/3 Co-organized with IMM-CNR - Chair: Filippo GIANNAZZO, IMM-CNR		
TT.II.C	Making Cultural Heritage conservation safer and sustainable: the GREENART project Co-organized with CSGI-University of Firenze - Chairs: Rodorico GIORGI & Giovanna POGGI, CSGI-University of Firenze		
TT.II.D WS.XIV.1	Smart materials and devices for precision agriculture applications 1/2 Co-organized with CNR-IMM & CNR- ISMN - Chairs: Sebania LIBERTINO, CNR-IMM & Maria Rosaria PLUTINO, CNR- ISMN		
TT.II.E WS.II.2	Environmental and Energy Solutions: Sustainable Bio-based Processes and Technologies Co-organized with Polytechnic University of Turin - Chair: Nicolò VASILE, Polytechnic University of Turin		
TT.II.F	Innovations for enhanced performances DSSCs 2/2 Co-organized with University of Tor Vergata and Sapienza University of Rome - Chair: Marilena CARBONE, University of Tor Vergata		
TT.II.G WS.IX.2	Electrochemical Energy Storage: LIB and Li-based new chemistries 2/4 Co-organized with ENEA - Chair: Margherita MORENO, ENEA		
TT.II.H SE.I.3	Bioengineering for biomedical applications of microfluidics Co-organized with University Magna Graecia of Catanzaro - Chair: Nicola D'AVANZO, University Magna Graecia of Catanzaro		
TT.II.I SE.I.4	Composite materials for electrochemistry Co-organized with IENTRANCE@ENL - Chair: Mauro PASQUALI, Sapienza University of Rome		
TT.II.J WS.X.2	Green chemistry and sustainable approaches for innovative materials 2/2 Co-organized with Sapienza University of Rome - Chair: Maria Laura SANTARELLI, Sapienza University of Rome		
TT.II.K WS.IV.2	Materials for Environment 2/3 Co-organized with University of Milan - Chair: Valentino CAPUCCI, Graniti, Fianders		
14:00 - 15:30			
TT.III.A	Exploring Amorphous Materials in Photonics and Optoelectronics: From Fundamentals to Applications Co-organized with University of Reggio Calabria - Chairs: Francesco Giuseppe DELLA CORTE, University of Naples "Federico II" & Maurizio CASALINO, ISASI-CNR		
TT.III.B WS.VII.2	Wide-bandgap semiconductors and heterostructures for power and RF electronics 2/3 Co-organized with IMM-CNR - Chair: Luca SERAVALLI, CNR-IMEM		
TT.III.C	Nanomaterials and occupational health: risk and opportunities for safer workplaces in the near future Co-organized with INAIL, Sapienza University of Rome, IIT and RINA-CSM - Chair: Fabio BOCCUNI, INAIL		
TT.III.D WS.XIV.2	Smart materials and devices for precision agriculture applications 2/2 Co-organized with CNR-IMM & CNR- ISMN - Chairs: Sebania LIBERTINO, CNR-IMM & Maria Rosaria PLUTINO, CNR- ISMN		
TT.III.E WS.II.3	Nanotechnologies for Sustainable Separation: From CO ₂ Capture to Resource Recovery Co-organized with Polytechnic University of Turin - Chair: Sergio BOCCHINI, Polytechnic University of Turin		
TT.III.G WS.IX.3	Electrochemical Energy Storage: Sodium-based technologies 3/4 Co-organized with ENEA - Chair: Omar PEREGO, RSE S.p.A.		
TT.III.H SE.I.5	Nanotherapeutic in unmet clinical need Co-organized with University "G. d'Annunzio" of Chieti- Pescara - Chair: Christian CELIA, University "G. d'Annunzio" of Chieti- Pescara		
TT.III.I SE.I.6	2D and Quantum Materials Co-organized with: to be defined - Chair: Francesca SCARAMUZZO, Sapienza University of Rome		
TT.III.K SE.II.1	Session Flagship Project FP1 Co-organized with: to be defined - Chair: to be defined		
TT.III.L JE.I.3	Extracellular vesicles in reproduction– promotion and disorders Co-organized with Sapienza University of Rome, EVita, GEI-SIBSC - Chairs: Emily SCHIFANO, Sapienza University of Rome; Annalisa RADEGHIERI & Alice GUALERZI, EVita; Luciana DINI, Sapienza University of Rome GEI-SIBSC		
TT.III.M WS.IV.3	Materials for Environment 3/3 Co-organized with University of Milan - Chair: Giuseppina CERRATO, University of Turin		
TT.III.N	to be defined		
16:00 - 17:30			
TT.IV.A	Nano-based drug delivery systems for biomedical applications Co-organized with Istituto Superiore di Sanità - Chairs: Giuseppina BOZZUTO & Maria CONDELLO, Istituto Superiore di Sanità		
TT.IV.B WS.VII.3	Wide-bandgap semiconductors and heterostructures for power and RF electronics 3/3 Co-organized with IMM-CNR - Chair: Patrick FIORENZA, IMM-CNR		
TT.IV.D	Advancements in Thin Films and Tailored Surfaces: Breaking Barriers in Sensing and Biomaterials Co-organized with University of Strasbourg, IUT Louis Pasteur - Chair: Adele CARRADÒ, University of Strasbourg, IUT Louis Pasteur		
TT.IV.E WS.II.4	Impacts of Energy Transition Co-organized with Polytechnic University of Turin - Chair: to be defined		
TT.IV.F SE.II.2	Session Flagship Project FP2 Co-organized with: to be defined - Chair: to be defined		
TT.IV.G WS.IX.4	Electrochemical Energy Storage 4/4 Co-organized with ENEA - Chair: Alessandra DI BLASI, CNR		
TT.IV.H SE.I.7	Nanotechnologies for precision medicine Co-organized with University Magna Graecia of Catanzaro - Chair: Maria Chiara CRISTIANO, University Magna Graecia of Catanzaro		
17:45 - 19:15			
BO.1.A	Title to be defined Chair: to be defined, iEntrance Project		
BO.1.B	Biomedical applications of advanced spectroscopic techniques to study new contrast agents and cell metabolism in aging and oncology Chair: Rossella CANESE, Research Director, Istituto Superiore di Sanità		
BO.1.C	Title to be defined: Rome Technopole - part. I Chair: to be defined		

