

Workshop ISMN 2026

martedì 17 novembre 2026

Contributi Scientifici - Centro Congressi (14:30 - 16:30)

time	[id] title	presenter
14:30	[28] Closing the Carbon Loop: Integrating Catalysis, Advanced Characterization and Predictive Design	CONSENTINO, LUCA
14:45	[22] Spectro-microscopy investigation of cisplatin encapsulation into Red Blood Cell-derived Extracellular Vesicles	Dr. BORGATTI, FRANCESCO
15:00	[39] Design and development of sustainable protective coatings for metal objects: open challenges and future directions	BOCCACCINI, FRANCESCA
15:15	Porcino?	
15:30	[24] An array of biosensors for neurodegeneration diagnosis	NOCITO, GIUSEPPE
15:45	[31] Advanced thermoelectrics to tackle on-chip thermal management and IoT challenges	GRAZIOSI, PATRIZIO
16:00	[45] Solution combustion synthesis of CaTiO ₃ -TiO ₂ -nanocarbon based assemblies from sunscreen waste for bifunctional ceramic membrane coatings	ARSHAD, Sabeen
16:15	[43] New pathways for magnetic materials enabled by molecular interfaces	GNOLI, LUCA

Contributi Scientifici - Centro Congressi (17:00 - 17:30)

time	[id] title	presenter
17:00	[48] ELECTRON SPECTROSCOPIES FOR NANOMATERIALS ANALYSIS	Dr. MEZZI, ALESSIO
17:15	[30] Directing NP–Cell Interactions via Engineered Corona Protein Formation on Surface-Modified Silver Nanoparticles	Dr. PUPILLI, FEDERICO

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Contributi Scientifici - Centro Congressi (11:30 - 13:00)

time	[id] title	presenter
11:30	[35] Morphological transitions in organic sub-monolayer films due to variations in the surface energy of native silicon oxide substrates	ALBONETTI, CRISTIANO
11:45	[23] Energy-efficient Microwave-Assisted Production of Metal Oxides	TESTA, MARIALUISA
12:00	[49] Energy conversion and storage systems: a green challenge through secondary raw materials and biopolymers	Dr. SQUILLANTINI, Lorenzo
12:15	[36] MEMS Technologies and Gas Sensors for Volatile Biomarker Detection: Opportunities for Interdisciplinary Research in Biological Sample Analysis	SPAGNOLI, ELENA
12:30	[56] Spintronic advantage of molecular spin-valves for reinforcement learning	BALDASSINI, CATERINA
12:45	[46] A Crystal Engineering Strategy to Improve Agrochemical Loading into Calcium Phosphate Nanocarriers: Toward Sustainable Agriculture	ACEBEDOMARTINEZ, FRANCISCOJAVIER

Contributi Scientifici - Centro Congressi (14:00 - 16:30)

time	[id] title	presenter
14:00	[25] A Novel and Versatile Experimental Platform for Electro-Chemistry in Liquid CO ₂	MYADZELETS, DMITRY
14:15	[51] Development of a 3D Bioprinted Heterocellular Pathological Model to Study Mosaic Tumor Microenvironments and Neuropathic Pain Disease	BONETTI, SIMONE
14:30	[54] Sustainable Alumina/Silk Fibroin Hybrid Dielectric Enabled by Low-Temperature Atomic Layer Deposition for Flexible Organic Electronics	SASSI, LORENZO
14:45	[53] CytoCell: A New Citrus Nanocellulose Platform for Advanced Materials and Devices	LIPETRI, GIOVANNA
15:00	[55] Interfacing libNEGF to BigDFT codes for electronic transport calculations	Dr. PECCHIA, Alessandro
15:15	[44] 2D-Sn based organometal halide perovskites as thermoelectric materials	OCAK, SAMET MILITA, SILVIA
15:30	[34] From Microbial Encapsulation to Living Hybrid Materials: Toward Programmable Biohybrid Microreactors	ADAMIANO, ALESSIO
15:45	[37] Automated and FAIR-Oriented Multiscale Simulation Workflows for Advanced Materials Design	LORENZONI, ANDREA
16:00	[41] From Waste to Value: Circular Economy Materials for Advanced and Sustainable Applications	CIOFFI, SIMONA
16:15	[32] High-Performance 3C-SiC Resonant MEMS Sensors for Next-Generation Strain, Force, and Torque Sensing	SAPIENZA, SERGIO

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Contributi Scientifici - Centro Congressi (09:00 - 11:00)

time	[id] title	presenter
09:00	[33] BEYOND PROOF-OF-CONCEPT: FUTURE TRAJECTORIES AND MULTIDISCIPLINARY CHALLENGES FOR NANO-ENABLED SUSTAINABLE APPLICATIONS THROUGH AGRICULTURAL AND ALGAL BIOMASS VALORIZATION	SFAMENI, Silvia
09:15	[42] Antibacterial Nanoneedle Arrays: Emerging Directions for Multifunctional Bioinspired Surfaces	IAFISCO, MICHELE
09:45	[40] An integrated correlative multi-analytical workflow for the characterization of airborne microplastics in indoor environments	BIANCHI, FEDERICA
10:00	[52] Citrus IntegroPectin as a Redox-Active Material for Future Sensing Platforms	ANGELLOTTI, GIUSEPPE
10:15	[50] Magnetic Nanoparticle Platforms in Biomedicine: From Alzheimer's Diagnostics to Stem Cell Engineering	SURPI, ALESSANDRO
10:30	[29] Towards Integrated Catalytic and Functional Platforms for CO2 Valorization, Clean Air and Renewable Hydrogen Production	LAGRECA, ELEONORA
10:45	[26] Pioneering Next-Generation Functional Hybrid Membranes for Sustainability: Open Challenges, Synergies, and Future Trajectories in the Water-Energy Ecosystem	Dr. RANDO, GIULIA

Contributi Scientifici - Centro Congressi (11:30 - 12:00)

time	[id] title	presenter
11:30	[38] Low-Cost Sensing for Biological Platforms and Environmental Monitoring: Prototyping Across Laboratory and Field Applications	GRASSO, GERARDO
11:45	[57] Memristive-spintronic devices for adaptive neuromorphic computing	RIMINUCCI, ALBERTO