	29 - January	30 - January	31 - January
	10.00 – 10.30 **Welcome** **Saluti Istituzionali** Ing. Lorenzo Molinari Tosatti (Direttore STIIMA-CNR) Ing. Dr Riccardo Carletto (Responsabile STIIMA-CNR Biella) Dr. Raffaella Mossotti (STIIMA Local Committee Biella) Dr Stefano Cavestro (AICTC) STIIMA SDAB Commission STIIMA TFComm	**Digital, Industry and Space**	**Health**
9.15-9.30		**Alessandro Brusaferri** *NBMLSS: Neural Basis Model for Location Scale and Shape for interpretable probabilistic forecasting*	**Sara Arlati** *Virtual Reality promotes Flow and Motivation during Upper Limb rehabilitation in patients with Chronic Stroke*
9.30-9.45		**Danial Ramin** *Risk mitigation for Industrial prosumers participating in Sequential Electricity markets*	**Teresa Maria Creanza** *Deep Learning Generative Models for Drug-discovery*
9.45-10.00		**Nicola Mosca** *Tomographic Analysis of specimens in VR*	**Adriano Scibilia** *Trajectory Prediction in Upper-Limb Robotic Rehabilitation and its Applicability to Post-stroke patients: a Preliminary Analysis*
10.00-10.15		**Angelo Cardellicchio** *Unsupervised Learning Techniques for finding missing bolts in railways combining 3D data, Deep Learning and Weighted content loss*	**Nicola Casali** *Assessing the Performance of the Segment Anything Model in Thigh Muscle segmentation for Neuromuscular Disease*
10.15-10.30		**Massimiliano Nitti** *A computer vision system for the automated defect detection and quality control of cars: Vehicle Check 360 project*	**Cristina Brambilla** *Autoencoders for muscle synergy extraction: a study in highly variable upper limb movements*
10.30-10.45	Ing. Emilio Fortunato Campana (Direttore DIITET)	**Cosimo Patruno** *A Wavelet-based Method for Anomaly Detection in Composite Materials by using Ultrasonic Technology (LUT) and Machine Learning*	**Grazia Cicirelli** *Feature Structuring Analysis for Human Action Recognition*
10.45-11.00	***Poster session*** (1-minute presentation)	**Marta Mondellini** *Evaluating Learning Efficacy: Traditional vs. Virtual Reality Study Modes*	***Giovanni Tauro*** *Does changing the difficulty of rehabilitation tasks with robotic device enhance patient's engagement and flow state?*
11.00-11.30	***Coffee Break***		
11.30-13.00	*Special Session:* **A new Era for Textile Industry** *Alessia Patrucco and Anastasia Anceschi*	**Digital, Industry and Space**	**Health - Digital, Industry and Space**
11.30-11.45	**Carlo Brondi** *Driving a Circular Economy for Textile through Extended Producer Responsibility (EPR)*	**Daniele Ravasio** *Offset-Free Nonlinear Model Predictive Control Design for Explicit Recurrent Equilibrium Networks: A Velocity-Form Approach*	**Lara Rebaioli** *Micro-manufacturing Technologies for Structured organ on chip*
11.45-12.00	**Elisabetta Abbate *(Radboud University-NL)*** *Safe and Sustainable by Design for Chemicals and Materials: a European Framework to guide innovation*	**Lorenzo Tuissi** *Conformalized Quantile Regression Neural Networks for Probabilistic post-processing of Solar Global horizontal irradiance*	**Benedetta Stampone** *Definition of a Highly Reconfigurable Technological Platform for the Production of Microfluidic Devices on a large scale*
12.00-12.15	**Tiziano Battistini *(Aquafil)*** *Producer Responsibility and Circular Business Models in the Textile Sector*	**Roberto Boffadossi** *A multi-criteria decision support system for Large-Scale industrial Cyber-physical system*	**Vito Basile** *Next Generation of sustainable and highly efficient Molding processes (NGM)*
12.15-12.30	**Alessia Patrucco** *Fundamentals of Sustainability in the Textile sector: a Focus on Recycling and Traceability*	**Buddhika Piyumal Bandara Samarathunga Mudiyanselage** *Modelling Viscoelastic Damping in Biofidelic Sensors for Safe Human-Robot Interactions Using the Maxwell Approach*	**Francesco Modica** *Deep Micro-Drilling via Micro-EDM on Aluminium component*
12.30-12.45	**Andrea Zangiacomi** *Challenges of the Circular Economy in the Italian Leather Sector: insights from a survey*	**Laura Romeo** *Action Recognition and Segmentation on Manufacturing Assembly Datasets in Human-Robot Collaboration contexts*	**Gianfranco Modoni** *Integration of different digital twins towards a digital twin of digital twins*
12.45-13.00	***Poster session*** (1-minute presentation)	**Cesare Tonola** *Reactive and safety-aware path Replanning for Collaborative applications*	**Elisabetta Brandonisio** *Manufacturing of electroconductive composite foams for EMI-shielding applications: the case of Recycled Polypropylene (PP), Low-Density Polyethylene (LDPE) and reused metal powders*
13.00-14.00	**Lunch**		
	Special Session: ***Textile Finishing Processes: between conventional application and Donizetti project (PNRR-MICS Spoke3)*** *Claudia Vineis*	**Food, Bioeconomy, Natural Resources Agriculture and Environment**	*Special Session:* **Green Chemistry** *Marina Zoccola*

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14.00-14.15	**Claudia Vineis** **Giuseppe Rosace *(University of Bergamo)*** *Textile Finishing Processes: between conventional application and Donizetti project (PNRR-MICS Spoke 3)*	**Giovanni Attolico** *Machine learning empowered image analysis of food*	**Marina Zoccola** *Green Chemistry in the Textile Sector*
14.15-14.30		**Annalisa Milella** *Harnessing Robotics and AI for a New Era of Safe and Sustainable Agriculture*	**Mirco Giansetti *(T.C.P. Engineering)*** *Future Perspectives of Green Hydrolysis of Wool Wastes for Fertilisers production*
14.30-14.45	**Maria Rosaria Plutino *(ISMN-CNR)*** *Advanced Smart Materials: Revolutionizing Wearable Technologies and Textile sector for the Future*	**Annaclaudia Bono** *Intelligent Perception Systems for Multi-Modal Data Processing in Precision viticulture*	**Giorgio Grillo *(University of Torino)*** *Advancing Biomass Valorization: Circular Biorefineries for High-Value Compounds through Sustainable Green Intensification*
14.45-15.00	**Giulia Rando *(ISMN-CNR)*** *Nanostructured bio-based coatings: from Advanced Eco-friendly Nanomaterials to high-performance Textiles*	**Arianna Rana** *Advanced Autonomous Row-Following and Terrain Analysis for Mobile Robots in Outdoor Environments*	**Maria Laura Tummino** *Soil Biodegradation of Functional Fabrics: a lab-scale study*
15.00-15.15	**Valentina Trovato *(University of Bergamo)*** *Fluorine-free bio-based water-repellent Coatings for Textiles in the framework of the Donizetti project (PNRR-MICS Spoke 3)*	**Antonio Petitti** *Leveraging Digital Twin Technology for Precision Agriculture*	**Roberta Peila** *Wool Hydrolysates as coadjuvants in Wool Dyeing with anthraquinones and flavonoid derivatives natural dyes*
15.15-15.30	**Rosaria Ciriminna *(ISMN-CNR)*** *SilverSil for Sustainable antimicrobial Textiles*	**Michele Elia** *Vision based pest detection system to fight Xylella fastidiosa*	**Ashish Mohod** *Advances in Wastewater treatment for the Textile industry*
15.30-15.45	**Valentina Basili** *Study, Application and Characterization of eco-friendly solutions for antibacterial Textile finishing: the Potential of Organic Acids*	**Francesco Caraceni** *Adapting the Material Circularity Indicator to Evaluate Circularity in Agri-Food Systems: Two Case Studies on Livestock Rearing*	
15.45-16.00	**Serena Facchiano** *Bio-based and Eco-friendly agents with antibacterial Properties for Textile Functionalization: insights from the Donizetti project*	**Andrea Margheri** *Assessment of circularity and environmental performance of primary and secondary metals production*	
16.00-16.30	**Coffee Break**		
	Digital, Industry and Space	*Special Session:* ***Smart Water*** *Raffaella Mossotti*	
16.30-16.45	**Vito Renò** *Design and development of vision systems and AI algorithms for robot sensing and motion control in industrial context: MOROSAI project*	**Rosalia Maglietta** *Blue AI for Estuarine Ecosystem Exploration*	
16.45-17.00	**Federico Bertolucci** *Inkjet printing for Electrostatic Transducers*	**Giovanna Serena *(Veritas)*** **Raffaella Mossotti** *Quantification of Microplastic in Treated Drinking Water using μ-FTIR spectroscopy: a Case Study from Northeast of Italy*	
17.00-17.15	*Special Session:* ***Electrospinning Process and Applications*** *Alessio Varesano*		
	Alessio Varesano *Electrospinning Process and Applications*		
17.15-17.30	**Antonella Macagnano *(IIA-CNR)*** *Transforming Agriculture with Electrospinning Technology: Impact on Sustainability and Health*	**Luca Cinguino *(Marchi & Fildi Group)*** *SUMMIT (SUstainable Mitigation of Microplastics In Textile)*	
17.30-17.45	**Vincenzo Guarino *(IPCB-CNR)*** *Electro Fluid Dynamics and Biomaterials: Current and Future Perspectives*	**Massimiliano Mariani** *Environmental Impact of fibrous microplastics from laundering on aquatic biota*	
17.45-18.00	**Marta Piccioni** *A new Strategy for Bone Regeneration: Electrospun Wool keratin Scaffolds with gold Nanoparticles as antimicrobial biomaterials*	**Roberto Marani** *Scientific Diplomacy: The Italian Vision*	
18.00-18.15	**Erica Savino** ***PROTECTED – By-PROducts based innovative TEchnologies for green and low Cost acTivE wounD dressings***		
	19.00 Welcome cocktail at Agorà Hotel	**20.30 Farewell Cocktail**	