Short Bio

Matilde Aronne is a postdoctoral researcher at Politecnico di Torino, where she earned a PhD in Electrical, Electronic and Communications Engineering after completing degrees in Biomedical Engineering. Her research focuses on sustainable materials and recycling processes for high-resolution additive manufacturing and heterogeneous integration in electronics. During her PhD, she was a visiting researcher at the Fraunhofer IKTS in Dresden, working on ceramic 3D printing and material recycling. She has co-authored several peer-reviewed publications on additively manufactured ceramics and polymers for microelectronics, MEMS, sensing and thermal management. She is also co-inventor of a 2025 national patent and has presented her work at international conferences, including the IEEE ECTC.