Lorenzo Miconi is a Materials Engineer and PhD student in Civil, Environmental and Materials Engineering at the University of Modena and Reggio Emilia. He holds a Master's degree in Materials Engineering (110/110 cum laude) and a Bachelor's degree in Mechanical Engineering with a Materials curriculum.

His research focuses on the development and characterization of sustainable thermal spray coatings and high-entropy hardmetals, with particular interest in wear and corrosion resistance and alternatives to conventional cobalt-containing materials. His experimental activities include microstructural characterization by electron microscopy and X-ray diffraction, mechanical characterization through hardness and elastic modulus measurements, tribological testing, and corrosion assessment.

He has also worked within the European CoBRAIN and HOOPLA projects, investigating high-entropy materials for thermal spray coatings and barrier coatings for hydrogen transport applications. He is co-author of scientific publications on HVOF coatings and tribological performance and has presented his research at international conferences.