



**UNIVERSITÀ DEGLI STUDI DELL'AQUILA**  
**Prof. Giuseppe Dell'Avvocato**  
**Curriculum scientifico**

(Aggiornato il 2024/01/10)

As a post-doc researcher (RTD-A) in mechanical design and machine construction (ING-IND/14), I earned a Ph.D. in mechanical and management engineering from the Polytechnic University of Bari. In 2023, I successfully defended a thesis titled "Non-destructive thermographic methods for quality evaluation of thin joints." I spent a year at the Federal Institute of Materials (BAM) in Berlin during my doctoral period, fostering a collaborative relationship.

My research focuses on developing thermographic procedures for non-destructive testing of thin joints and the mechanical and thermophysical characterization of materials using thermal methods, including Finite Element Method (FEM) approaches. As a speaker, I have attended several international conferences, receiving the "5th Under 35 years best paper award 'Ermanno Grinzato'" at the 2021 AITA international conference.

I have collaborated on various research projects with prominent companies in developing and designing thermographic non-destructive control systems. Ongoing research activities include partnerships with CNR-ITC in Padua, the Federal Institute of Materials (BAM) in Berlin, and the Polytechnic University of Bari.

A comprehensive list of my scientific publications related to these activities is present on my Researchgate page.