



Position within NDTonAIR: ESR11

Recruiting Institution: University of Warwick (UK)

ESR's Research Project: *Inspection of composite aerospace structures using capacitive imaging and guided waves*

My name is Silvio Amato, I was born and grew up in Terni, Italy.

In 2010 I had enrolled at the University of Perugia in Terni where I got my Bachelor's and Master's Degrees in Industrial Engineering.

The topic of my Bachelor studies was "Application of continuous signal modulation in frequency for distance measuring and ultrasound NDT", the aim of which was developing and verifying a hardware to simplify the digital elaboration.

I did the research for my Master thesis in Munich, at Siemens where I worked for 5 months as industrial student. The topic was "Defect sizing optimization in forgings through ultrasonic NDT" to verify and optimize the multifrequency analysis in terms of defects sizing accuracy and to compare it with the standard narrow-band AVG analysis.

After my German experience I improved my teamwork skills, my working skills, my knowledge in NDT field and I could learn a bit of German.

Besides my studies, I like to do sport (I play American football), to spend time in the nature and to read (mostly comics).