

I'm **Daniele Lamia**, I'm a mechanical engineer and I graduated in the July of the 2021 in the Mechanical Engineering course (LM33) of the University of Palermo. During my master internship I worked on the simulation of destructive torque test of medical screws and structural analysis of surgical fixation plate on the commercial software Abaqus. For my master theses I studied how to simulate a Ti 6Al 4V Powder Bed Fusion Additive Manufacturing Process by Selective Laser Melting on the commercial software DEFROM. At the moment, I'm a Student of the M3AI PhD course at the University of Palermo. My PhD project follows the same line of my master theses, in fact I based it on the Additive Manufacturing Processes simulation, with the aim to better investigate this process developing specific simulation approach.