

Stefano FERRETTI - CV

During my PhD at “Sapienza” University of Rome, I integrated holographic optical tweezers and digital holographic microscopy through Virtual Reality to develop an innovative instrument for the live immersive exploration and interactive 3D manipulation of microscopic systems. My postdoc fellowship at “Parthenope” University of Naples focused on calibrating an impact sensor for a cometary mission using a high-power pulsed laser. I was also involved in the Space Tweezers project, which aimed at trapping and manipulating cosmic material through optical and acoustic forces to limit contamination. I am currently working at the Institute for Complex Systems of the CNR, in Rome.