

Davide Caprini is 2nd year PhD student in "theoretical and applied mechanics", department of mechanical and aerospace engineering- DIMA, university of Rome "Sapienza" Title of thesis: Generation, dynamics and control of microbubbles inside microdevices.

Degree in Aeronautical Engineering with specialization aerodynamic. (fluidynamics)

He is currently cooperation with the Microfluidic Laboratory in CLNS (iit@sapienza), where, He has gained experience of microPIV and fast-imaging techniques for the characterization of flow in microchannel.

It is now developing a collaboration with CLNS (iit@sapienza) for the focused ultrasound on biological Lab-on-chips and for ultrasound bessel beam.

He collaborated with department of Astronautic, electric and Energetic engineering- DIAEE, university of Rome "Sapienza", Project: Design and prototyping of capillary microfluidics systems Lab-On-a-Chip.

Good knowledge of soft lithography process in Yellow Room, from photo-writer to chemical develop of photoresist for microfluidics networks prototyping.