

Curriculum vitae

Last name: Di Novo

First name: Nicolò

Second name: Giuseppe

Nationality: Italian

Date of birth: 26/08/1993

Academic degrees:

- 2018 - PhD in mechanical engineering, Università di Trento (Civil, Environmental and Mechanical Engineering) and Bruno Kessler Foundation, Trento, Italy
- 2016 - 2018 M.Sc. in Mechanical Engineering (Biomechanics curriculum), Università degli studi di Brescia, Italy
- 2013 - 2016 B.Sc. in Mechanical and Materials Engineering, Università degli studi di Brescia, Italy

Teaching:

- 2018 - Teaching assistant of Solid Mechanics, Università di Trento, Italy

Short CV:

I was born in Desenzano del Garda (Italy) on August 26th, 1993. I earned a bachelor's degree in Mechanical and Materials Engineering (2016) and a master's degree in Biomechanics (2018) from the University of Brescia. My M.Sc. thesis project was on an electrochemical sensors platform integrated with microfluidic fabricated by aerosol jet printing. I am currently a PhD student (2018- present) at the University of Trento (Dept. of Civil, Environmental and Mechanical Engineering) and the Bruno Kessler Foundation in Trento, Italy. I study wettability and water phase change phenomena on natural and artificial surfaces as condensation, frosting, icing and evaporation. I study micro and nanostructured surfaces that enable self-ejection of single condensation droplets for anti-frosting and heat transfer applications, surfaces for enhancing water harvesting from vapour (cactus spine-inspired micro grooved surfaces), femto-laser structured self-cleaning glasses and the survival of viruses in respiratory droplets on surfaces. I collaborate with the University of Naples and with the Department of Cellular Biology, Computational and Integrated (CIBIO, Trento) for the project ACOV-SURF (Anti-Coronavirus Surfaces) funded by the University of Trento. I am a teaching assistant of Solid Mechanics at the University of Trento.