Professional experiences

School of Aerospace Engineering - Sapienza University of Rome   **Rome (IT)**
PhD candidate   *Oct. 2018–today*
AstroBio Cubesat (ABCS) satellite's project funded by ASI (Italian Space Agency): I was in charge of the design and development of the satellite structure and its main subsystems as well as FEM modelling and verification of design choices, drafting of technical documentation and manuals, tests planning and control

SASLab (Laboratory of Process and Technology for Aerospace Structures)   **Roma (IT)**
Merit-based/paid internship   *Oct. 2017–Mar. 2018*
Support for research activities of design and manufacturing of high-performance aerospace structures and multifunctional (nano)composite materials for structural applications

ALMASpace S.r.l   **Forlì (IT)**
Stage   *Oct.–Nov. 2014*
Realisation of ALMASat-1 satellite's mock-up

Education

Sapienza University of Rome   **Rome (IT)**
Master's degree in Space and Astronautical Engineering   *2015–2018*
Dissertation Title: *"Development of a Lab-On-Chip Micro-Incubator for biological experiments aboard nanosatellites"*

"Alma Mater Studiorum" University of Bologna   **Forlì (IT)**
Bachelor's degree in Aerospace Engineering   *2011–2014*
Dissertation Title: *"Experimental systems for micro-satellites' centre of mass estimation"*

Liceo Scientifico "Marie Curie"   **Giulianova (IT)**
Secondary school qualification in scientific studies   *2005–2010*

Language

Italian: Mother tongue

	Understanding		Speaking		Writing
	Listening	Reading	Interaction	Production	
English: Experienced	B1	B1	B1	B1	B1

Job related skills

○ Excellent command of CAD 3D SOLIDWORKS/CATIA® software

○ Excellent command of AUTOCAD® software

○ Excellent command of ANSYS® software

○ Excellent command of Dassault ecosystem (Solidwoks Composer®, Solidworks Visualize®)

○ Excellent command of MATLAB® software

○ Excellent command of KeyShot® software

○ Demonstrated knowledge of prototyping and manufacturing technologies (3D resin/ filament printer, CNC)

○ Knowledge of CNC programming software (AutoDesk FUSION 360)

○ Excellent command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™)

○ Excellent knowledge of Microsoft Windows™ platform

○ Excellent knowledge of MacOS™ platform

○ Excellent knowledge of LaTeX

○ Good analysis skills and problem solving

Certificates

Solidworks CSWA (Certified SolidWorks Associate)
Solidworks Basic Course (by Nuovamacut SpA)

Solidworks Composer Course (by Nuovamacut SpA)
APR Pilot Certificate (by ENAC)

Social skills and interests

Digital and Analogue photography, drones, photo and video editing, technology, travelling, sports. Good team spirit and work commitment gained through my voluntary activities as scout chief (member of AGESCI from 2001, as scout chief from 2007 to 2010) and during my studies (projects, Space App Challenge)

Publications

Iannascoli, L., Nascetti, A., Carletta, S., Fiacco, G., Cesare, G., Meneghin, A., Brucato, J., Paglialunga, D., Mirasoli, M., Anfossi, L., Popova, L. (2020, January). Payload for autonomous execution of lab-on-chip experiments on CubeSat platforms. Conference: 5th IAA Conference on University Satellite Missions and CubeSat Workshop

Iannascoli, L., Nascetti, A., Carletta, S., Schirone, L., Meneghin, A., Brucato, J., Paglialunga, D., Poggiali, G., Pirrotta, et al.,(2020, October). AstroBio CubeSat: Enabling Technologies for Astrobiology Research in Space. Conference: 71st International Astronautical Congress (IAC) - The CyberSpace Edition

Meneghin, A., Brucato, J., Poggiali, G., Nascetti, A., Anfossi, L., Mirasoli, M. (2019, September). ASTROBIO CUBESAT: A MINI LABORATORY PAYLOAD FOR SPACE ENVIRONMENT ASTROBIOLOGY EXPERIMENTS. Conference: EANA 2019 - 19th EANA Astrobiology Conference 10.13140/RG.2.2.17952.12801

Meneghin, A., Paglialunga, D., Poggiali, G., Pirrotta, S., Impresario, G., Sabatini, A., ... Brucato, J. R. (2020, September). AstroBio CubeSat: a nanosatellite for space astrobiology experiments. In European Planetary Science Congress (pp. EPSC2020-943)

Brucato, J. R., Nascetti, A., Meneghin, A., Paglialunga, D., Poggiali, G., Iannascoli, L., CubeSat, A. (2020, October). AstroBio CubeSat a new tool for astrobiology experiments in Medium Earth Orbit. In AAS/Division for Planetary Sciences Meeting Abstracts (Vol. 52, No. 6, pp. 001-03)

Nascetti, A., Iannascoli, L., Caputo, D., de Cesare, G., Costantini, F., Lovecchio, N., Paglialunga, D., Dispositivo e metodo per il campionamento e la rilevazione di un agente patogeno nell'aria (2020)(05a **Brevetto**)

Iannascoli, L., Costantini, F., Lovecchio, N., Buzzin, A., Caputo, D., De Cesare, G., Nascetti, A., On-chip cell-culture support and monitoring device with integrated thin-film sensors and actuators, 70th International Astronautical Congress (IAC)(2019)

A. Nascetti, M. Mirasoli, E. Marchegiani, M. Zangheri, F. Costantini, A. Porchetta L. Iannascoli, N. Lovecchio, D. Caputo, G. de Cesare, S. Pirrotta, A. Roda, "Integrated chemiluminescence-based lab-on-chip for detection of life markers in extraterrestrial environments", Biosensors and Bioelectronics, VSI:Biosensors (2018) (**Best paper award** 2018, Runner Up)

Nascetti, A., Costantini, F., Iannascoli, L., Zangheri,M., Mirasoli, M., Marchegiani, E., Caputo, D., de Cesare, G., PLEIADES: A highly integrated lab-on-chip system for the detection of life markers in extraterrestrial environments (2019)

Modenini,D., Iannascoli,L., Tortora,P. "A simple method for accurate center of gravity determination of small satellite platforms". In 23rd Conference of the Italian Association of Aeronautics and Astronautics,(2015)