

PERSONAL INFORMATION **Paola Celesti**

WORK EXPERIENCE

- 05/2020–Present **PCB Engineer**
WILDTRACK-CUBE SIMBA System for Improving Monitoring the Behavior of Animals
Sapienza Space Systems and Space Surveillance Laboratory (S5Lab),
Sapienza University of Rome, Rome, Italy
- 11/2019–Present **Electronic Subsystem responsible & PCB Engineer**
STRAINS - HEMERA
Sapienza Space Systems and Space Surveillance Laboratory (S5Lab),
Sapienza University of Rome, Rome, Italy
- 11/2018–Present **PCB & Quality Assurance Engineer**
Testing of small components substitution quality, LEDSAT ESA's "Fly your satellite"
Sapienza Space Systems and Space Surveillance Laboratory (S5Lab),
Sapienza University of Rome, Rome, Italy
- 11/2018–Present **Electronic Subsystem responsible & PCB Engineer**
SURGE observatory network of Sapienza SSON's observatories
Sapienza University of Rome – CAI (Club Alpino Italiano), Rome, Italy
- 11/2018–02/2020 **Electronic Subsystem responsible ,PCB Engineer and sponsor manager**
TARDIS experiment (Bexus – ESA)
Sapienza Space Systems and Space Surveillance Laboratory (S5Lab),
Sapienza University of Rome, Rome, Italy
- 09/2016–02/2019 **Electronic Subsystem responsible & PCB Engineer**
Sapienza Space team
Sapienza ,University of Rome,Rome(Italy)

EDUCATION AND TRAINING

- 26/09/2015–Present **BSc Electrical Engineering**
Sapienza, university of Rome, Rome, Italy
- 13/05/2019–14/05/2019 **BEXUS In-flight Soldering and Harnessing Techniques Certification Course**
European Space Agency - ESTEC, Noordwijk, Netherlands
- 19/08/2018–01/09/2018 **Future Space Technologies and Experiments in Space**
Samara Aerospace State University, Samara (Russia)
- 14/09/2007–28/06/2012 **Liceo classico**
Main subjects: Ancient Greek, Latin, Philosophy , Art history; Italian, English, Latin and Greek literature
I.S.I.S. Giuseppe Colasanti, Civita Castellana (Italy)

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages - Self-assessment grid

Communication skills

- good communication skills gained through my experience as press area assistant during the period 2014-2018 for the man and woman volleyball world championship and other manifestation where I was employed as press area assistant. I had the possibility to interface with various professional figures mainly athletes and journalists adapting to the official and non-official contexts in which my presence was requested.
- good skills related to the design and development of informative and technical material in relation to the projects where I was involved in
- abilities in communication and research of third parties for the image and the economics promotion of the projects I was taking part

Job-related skills

- editing of technical reports intended for international entities in electronic and aerospace research field (ESA,DLR,MORABA,)
- hand welding

Digital skills

- Eagle designer
- Altium designer
- Fritzing
- Autocad 2D
- Labview
- Matlab
- Fortran
- Arduino
- ECDL

Soft skills

- public speaking
- team working
- work planning
- team building
- problem solving

 ADDITIONAL INFORMATION

- Publications**
- I L. di Palo, V. Bandini, E. Bedetti, G. Broggi, L. Collettini, **P. Celesti**, D. di Ienno, R. Garofalo, F. Iovanna, G. Mattei, P. Marzioli, F. Piergentili and F. Santoni, **"VOR (Vhf Omnidirectional Range) Based Attitude and Position Determination System on a Stratospheric Balloon: The TARDIS Experiment"**, The IEEE International Workshop on Metrology for AeroSpace, June 2019, Torino, Italy
 - I L. di Palo, V. Bandini, E. Bedetti, G. Broggi, **P. Celesti**, L. Collettini, D. di Ienno, R. Garofalo, F. Iovanna, G. Mattei, A. Gianfermo, P. Marzioli, F. Piergentili, F. Santoni: **"Testing A VOR-Based Position and Attitude Determination System in the Stratosphere: The TARDIS Experiment"**, The Italian Association of Aeronautics and Astronautics, XXV International Congress, September 2019, Rome, Italy.
 - I P. Marzioli, V. Bandini, A. Gianfermo, D. Amadio, E. Bedetti, G. Broggi, **P. Celesti**, L. Collettini, F. Curianò, D. di Ienno, L. di Palo, L. Frezza, R. Garofalo, S. Hadji Hossein, F. Iovanna, P. Lucente, G. Mattei, M. Giulia Pancalli, E. Vestito, G. Zarcone, M. Acernese, L. Parisi, F. Piergentili and F. Santoni, **"From Stratospheric Experiments to CubeSat Development: Lessons Learned from the S5Lab Participation into ESA Hands-on Educational Programmes"**, The 70th International Astronautical Congress, October 2019, Washington, D.C.
 - I V. Bandini, L. di Palo, E. Bedetti, G. Broggi, **P. Celesti**, L. Collettini, D. di Ienno, R. Garofalo, F. Iovanna, G. Mattei, A. Gianfermo, P. Marzioli, F. Piergentili, F. Santoni, **"The TARDIS experiment: an innovative VOR-based system for HAPS backup positioning and attitude determination"**, The 70th International Astronautical Congress, October 2019, Washington, D.C.
 - I L. Di Palo, R. Garofalo, E. Bedetti, **P. Celesti**, F. Iovanna, L. Frezza, P. Marzioli, F. Piergentili, A. Volpe, F. Curiano, F. Santoni, **"Time Difference of Arrival for Stratospheric Balloon Tracking: Design and Development of STRAINS Experiment"**, IEEE 2020 International Workshop on Metrology for Aerospace, June 2020, Pisa, Italy.
 - I P. Marzioli, L. Frezza, D. Amadio, **P. Celesti**, F. Curianò, L. Gugliermetti, S. H. Hossein, M. G. Pancalli, N. Picci, F. Santoni, E. Vestito, F. Piergentili **"Hands-on education through nano-satellites development: past, current and future projects at Sapienza S5Lab"**, IEEE 2020 International Workshop on Metrology for Aerospace, June 2020, Pisa, Italy.
- Certifications**
- Soldering Course for space qualification ESA/ESTEC, Noordwijk, Netherlands
 - Future space technologies and experiments in space, Samara Aerospace State University, Samara, Russia
 - Basic training course for workplace safety, Sapienza, University of Rome
 - ECDL certification: I.S.I.S. Giuseppe Colasanti, Civita Castellana, Italy
- Presentations**
- L. di Palo, V. Bandini, E. Bedetti, G. Broggi, **P. Celesti (presenter)**, L. Collettini, D. di Ienno, R. Garofalo, F. Iovanna, G. Mattei, A. Gianfermo, P. Marzioli, F. Piergentili, F. Santoni: **"Testing A VOR-Based Position and Attitude Determination System in the Stratosphere: The TARDIS Experiment"**, The Italian Association of Aeronautics and Astronautics, XXV International Congress, September 2019, Rome, Italy
 - **PDR presenter: The TARDIS experiment (BEXUS project)**, DLR (Oberpfaffenhofen), 11-15th February
 - **CDR presenter: The TARDIS experiment (BEXUS project)**, ESA/ESTEC Noordwijk, Netherlands, May 2019
 - **IPR presenter: The TARDIS experiment (BEXUS project)**, Sapienza University of Rome, July 2019
 - **EAR presenter: The TARDIS experiment (BEXUS project)**, Sapienza University of Rome,
 - "Miniaturization of a space mission" conference at the "Righi scientific high school, Rome 2018
 - PDR/CDR presenter Sapienza Space Team 2016-2018, Sapienza, University of Rome

Further information

- BEXUS launch campaign 18-28th October 2019, ESRANGE Space Center, Kiruna, Sweden
- Participation in the training week at the DLR (Oberpfaffenhofen) for the BEXUS (ESA) project 11-15th February 2018
- 10th classified to the "Space Flight Dynamics" selection to access the "Future space technologies and experiments in space" course
- CanSat competition launch campaign - June 2017, Stephenville, Texas