

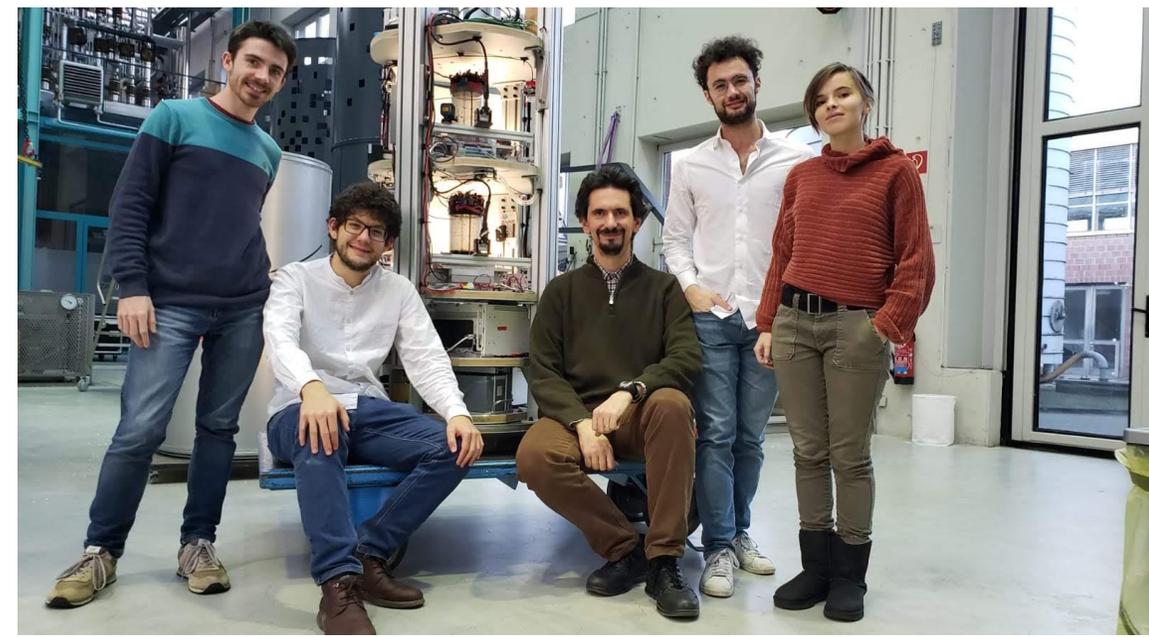
# Lateral Sloshing of Magnetic Liquids in Microgravity

## the DropTes StELLIUM experiment

### Objectives :

- Study the lateral sloshing of magnetic liquids in microgravity
- Prepare the path for the development of future applications in space
- Test a novel surface reconstruction system

Awarded by UNOOSA DropTes program to access ZARM's Drop Tower during two weeks to catapult the experiment in zero-g conditions in 2019



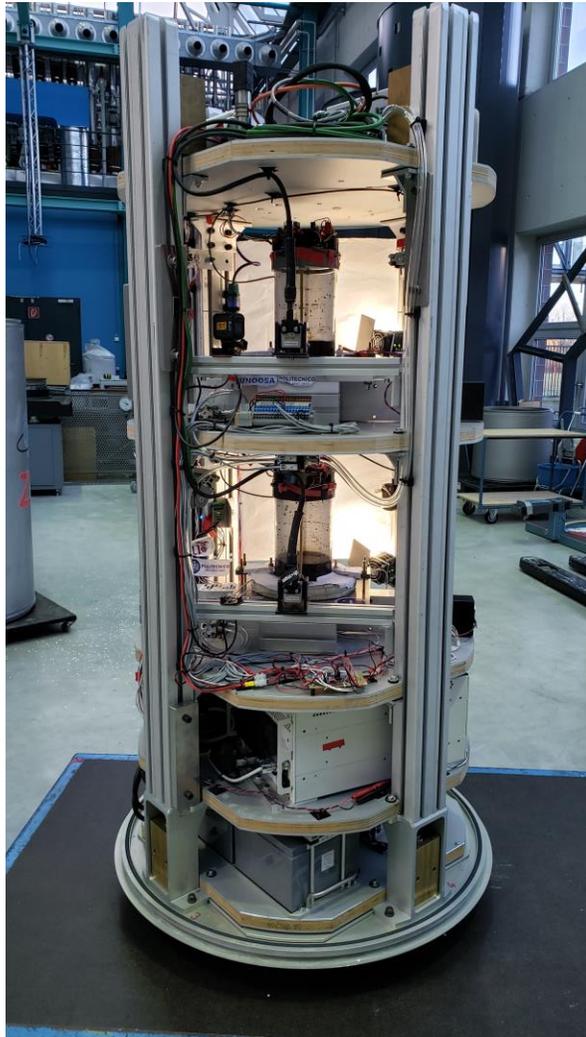
# ZARM's DropTower

9.3 s of microgravity

120 m high

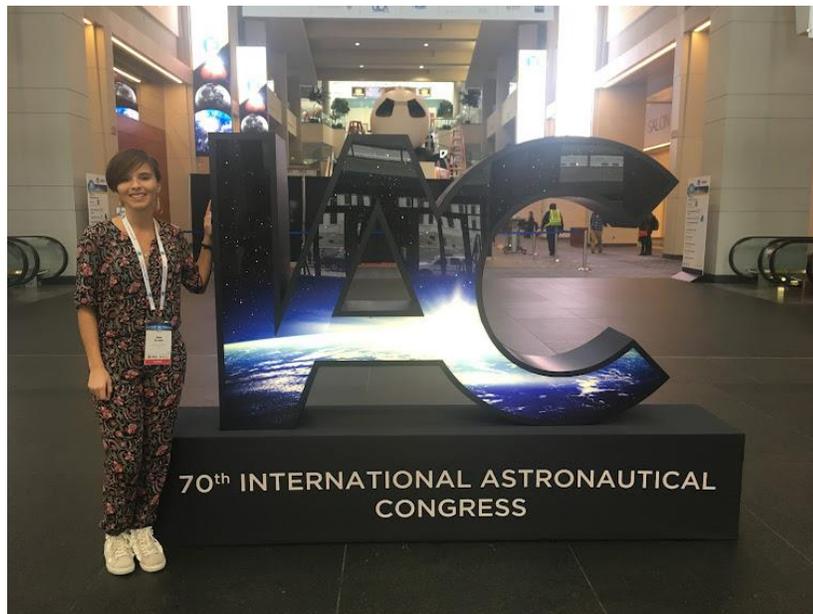
50 g deceleration

1 week of integration & 1 week dedicated to launch



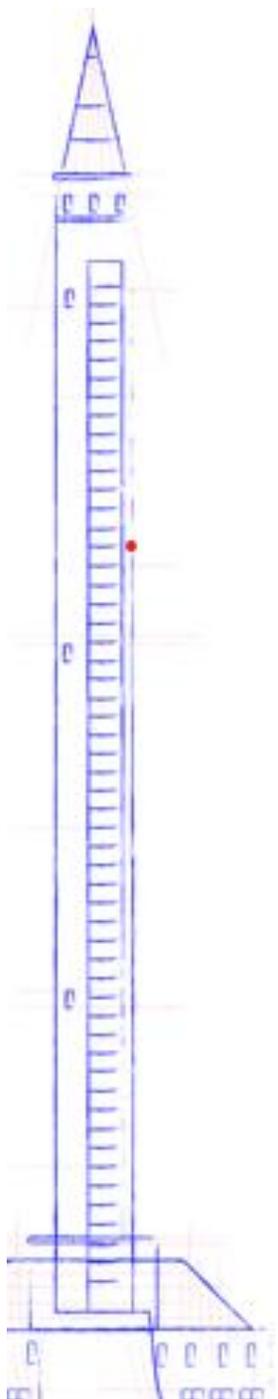
# Achievements

- Obtention of the first high qualitative measurements of lateral sloshing of ferrofluids in microG
- Publication of the results and the surface reconstruction techniques
- Sponsored by ESA to present the experiment at the IAC 2019 at Washington D.C.



## Why candidate to the DropTes program ?

- A unique opportunity to learn and study microgravity science
- A professionalizing experience : team-working, design, integration, monitoring of the launches and analysis of the results
- A way to set the foot in the passionating field of space research
- A way to prove to future recruiters that you are a passionate, dynamic and innovative person
- Prepare the path for the development of future applications in space : you can have a crucial impact in the space field !



## My advise to all women passionated by the space field ...

Don't hesitate ! There is a true will of expanding women's opportunities for leadership and increasing their visibility in the aerospace community

