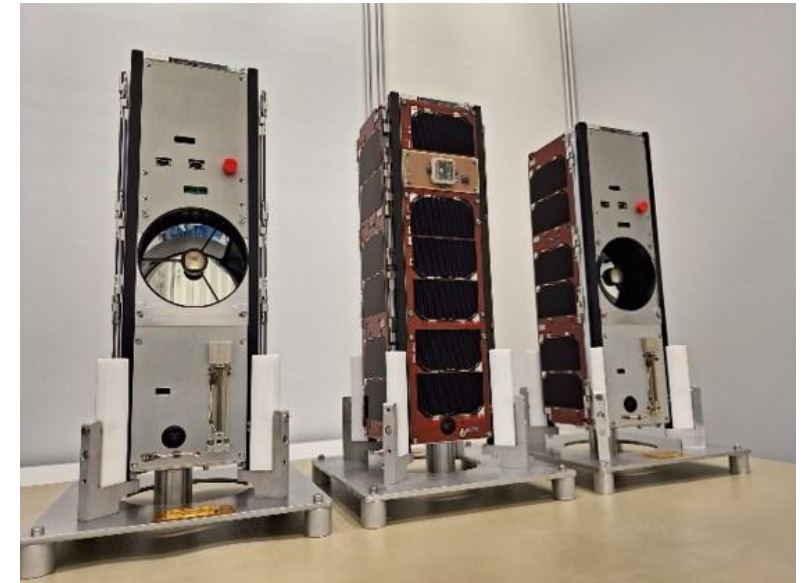
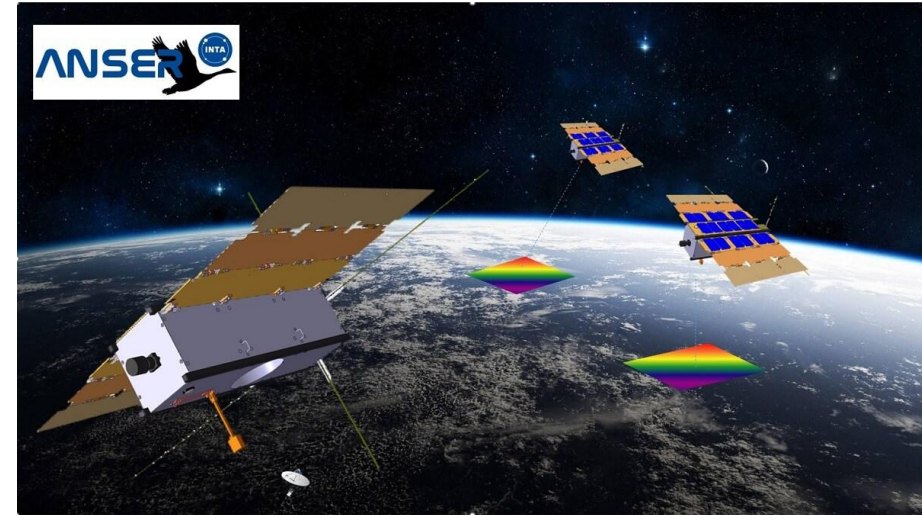


PhD position in Small-Satellite Formation Flying Control (INTA)

- **Topic:** Autonomous Formation Flying Control for Small-Satellite Clusters Using Aerodynamic Forces.
- **Place:** ANSER team in the Space Programmes Department at INTA – Torrejón de Ardoz (Supervisor: Iván Castro-Fernández).
- **Contract duration:** up to 4 years.
- **Salary:** ~1500€/month.
- **Requirements for candidates:**
 - Having a minimum of 300 ECTS with Bachelor + Master.
 - Master Degree in Aeronautical/Aerospace Engineering or Physics/Astronomy or Mathematics/Statistics.
 - Advanced level in English.
- **Deadline for applications:** **22/09/2025**
- **How to apply:** send an email to request more information about how to apply to icasfer@inta.es and arzagc@inta.es with your CV and a short motivation (letter or email). Please, take into account that the above deadline is for the final application.
- **Research context:** This research will be developed under the framework of the ANSER space programme at INTA. The first mission of ANSER is ANSER-WQ, which is a cluster of 3 CubeSats already in orbit with both scientific and technology - demonstration objectives. One of the latter is to be able to control their relative position between satellites by using aerodynamic forces (drag and lift). For that reason, autonomous formation flying algorithms is the main research topic of this PhD position. The algorithms developed will be validated in orbit in ANSER-WQ and future ANSER missions such as ANSER-AT and Q-ANSER, currently under development.



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