

CanSat scientific article – Template and Method
(The article must be written in English.)

Title

Short and specific, including the name of your CanSat

Authors

First name and last name of each person working on the CanSat

Introduction

In this section you have to, first describe in general your project; second present the specific purpose of your CanSat and then present briefly the aim of your CanSat (i.e. missions).

Describe the context in which your CanSat fits:

- What are the qualities of your CanSat?
- Which are the innovative embedded technologies?
- What are the scientific questions asked? How will you answer them?

I. CanSat Team

Brief description of the club: year of foundation, number of members, purpose of the club, etc.

Brief description of the skills members and the equipment at your disposal in order to elaborate your CanSat.

II. CanSat missions

For each following part you have to describe the mission: objectives – mechanical, electrical, technical and conception method – data analysis method (if needed) – assumptions – scientific approach etc.

II.1 Mandatory mission

II.2 Secondary mission

II.3 Bonus mission

If for one of your mission, you have a simulated model that will then be compared to the measured data you have also to present it (i.e. picture, description of the data, description of the analysis, etc.).

III. CanSat design (do not hesitate to add pictures and diagrams)

CanSat description (weight, size, shape, etc.) => Picture / diagram

Technical solution developed in order to build up your CanSat, do a full description of:

- the mechanical design: which materials? Which software? etc. => Picture / diagram
- the electrical design: which battery? Telemetry? Electronic card? etc. => Picture / diagram

IV. Discussion and conclusion

The objective of this part is to judge the quality of the work done and the validity of the results. As you still not have result you cannot discuss about that but you can discuss if so, how you adjust you problematics and the CanSat design with regard to the problems you had for example.

The second goal of this part is to discuss how you can improve your CanSat in terms of mechanical and electronical conception.

Lastly, you have to present the perspectives of your CanSat project related to

- the CanSat launch (data analysis, success of the mission, etc.);
- future projects (if this is the case).

Acknowledgement

Do not forget to mention here any sponsor you had!