

Example template for 6th KePASSA Workshop

First Author^{*1}, Second Author^{†2}, and Third Author^{‡1}

¹Affiliation Authors 1 and 3

²Affiliation Author 2

Abstract

Here you can add a concise abstract for the communication. **This abstract is optional**, and you can skip it. The rest of the document should be elaborated taking into account the instructions below.

1 Introduction

The 6th Workshop on Key Topics in Orbit Propagation Applied to Space Situational Awareness (KePASSA 2024) will be held on June 12-14, 2022, in Arras, France.

Orbit propagation, the main topic of the workshop, is one of the most challenging and complex aspect of astronautics and will play a key role in ensuring the sustainable use of space. The continuous development and upgrade of orbit propagation techniques is instrumental for tackling most of the SSA challenges, e.g. those posed by the imminent realisation of mega-constellations, the creation of sensors capable of tracking hundred of thousands of objects, and the implementation of a space traffic management and control system.

KePASSA series started in 2014, after Martin Lara suggested the name of that series, and following a preliminary workshop that took place in Lille (France) in 2011. The intended audience for this conference includes graduate and undergraduate students, researchers in the area or from neighboring disciplines, and members of industry whose work involves the aforementioned topics. Mainly from the european area but also from all over the world, encouraging worldwide collaborations between all countries and colleagues, of all generations.

Visit the webpage <https://kepassa2024.sciencesconf.org/> for more information. We are looking forward to meeting you there!

Some examples and the Call for Papers follow.

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Figure 1: The meeting room of KePASSA2024

2 Other possible sections

You may include as many sections and subsections as needed. Please do not capitalize words in titles of sections or subsections.

Use the environments defined in this file for theorems, propositions, definitions, etc. Some examples:

Lemma 1 *This is a lemma.*

Definition 2 *Something you may want to define.*

Theorem 3 *This is the main theorem.*

Proof. This is the proof. □

You are encouraged to include figures, the more, the merrier! Figure 1 shows an example.

3 Call for papers

The 6th Workshop on Key Topics in Orbit Propagation Applied to Space Situational Awareness (KePASSA 2024) will be held on June 12-14, 2024, hosted by Université d'Artois in Arras, France.

The main focus of this international conference is on current topics in Orbit determination, including both theoretical and applied results. The intended audience for this conference includes graduate and undergraduate students, researchers in the area or from neighbouring disciplines, and members of industry whose work involves the following topics (they are not limited to):

- Numerical techniques
- Analytical and semi-analytical methods
- Relative dynamics
- Space debris and end-of-life disposal dynamics
- Uncertainty propagation and orbit determination
- Resonances and chaos;
- Scientific and educational software tools
- Constellations and formation flying
- Asteroids and propagation in the Solar system
- Maths and methods for space mechanics

The language of the conference is English, hence all international colleagues are welcome to join.

4 Submissions

A referable book of extended abstracts will be published (with ISBN)

4.1 Paper submissions

Each paper submission should consist of an extended abstract with an extension of 3 pages including a bibliography.

4.2 More details

Each submission should consist of 3-page extended abstract describing original research to be presented at the Conference. This may involve ongoing research or a result published recently. If the work has appeared previously, please provide a reference to the publication.

5 Other remarks

Abstracts of accepted papers and talks will be collected in a referable book that will be accessible from the conference website. Presentations of accepted papers and talks will be allocated the same amount of time in the program (approximately 15-25 minutes).

All submissions will be reviewed by the program committee in order to guarantee that they fall within scope and meet quality standards.

Submission instructions will be available at the Submission section on the conference website.

Authors of accepted submissions are expected to present their work at the conference. Failure to do so will result in removal of the contribution from the abstract book and conference website.

6 Important dates

Check out the conference webpage¹ for all the important dates, including the submission deadline.

7 Conclusions

Type here your concluding remarks. You may skip this section, if you wish.

We hope to see you at KePASSA 2024!!

References

- [1] Initial. Authurname, Title of the article, *Name of the journal* **Volume** (Year), Firstpage–Lastpage.
- [2] Initial. Authurname, *Title of the Book*, Name of the series, Volume, Publisher, Publisher's Address, Year.
- [3] Initial. Authurname, Title of the article, in: *Title of the Book*, Name of the series, Volume, Publisher, Publisher's Address, Year, Firstpage–Lastpage.
- [4] Initial. Authurname, Title of the preprint, preprint, Year, `arXiv:0000.0000`.

¹<https://kepassa2024.sciencesconf.org/>