



User Guide for the DEN Paper Template

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Abstract

An abstract summarizes, in one paragraph of 300 words or fewer, the major aspects of the entire paper. It should include: 1) the overall purpose of the study and the research problem you investigated; 2) the basic design of your research approach; 3) major findings as a result of your analysis; and 4) a brief summary of your interpretations and conclusions.

Keywords: keyword; keyword-two; keyword number three

1. User Guide for This Template

DO NOT submit papers containing LaTeX error messages. If you see any error messages, please fix them before submission.

1.1 Title

The title should be in Title Case. Keep it concise and informative, ideally within 12 words. Avoid abbreviations in the title unless they are widely recognized.

1.2 References

Add your bibliography entries to `bibliography.bib` and cite them using standard Quarto citation syntax. Here is an example citation on diamond open access [1]. Since many of you are using the OpenSky data, here is another example [2].

1.3 Footnotes

Use footnotes sparingly. They should be used for additional information that is not essential to the main text.¹

1.4 Tables

Use standard markdown tables or Quarto's table syntax. Table 1 shows an example.

Table 1. Example table

Parameter	Notation	Remarks
name	-	engine common identifier
manufacture	-	name of the manufacturer
bpr	λ	bypass ratio
pr	-	pressure ratio
thrust	T_0	maximum static thrust

1.5 Figures

Use standard Quarto figure syntax with `! [caption] (path) {#fig-id width=X%}`. Place images in a `figures/` folder.

1.6 Equations

Use standard LaTeX equation syntax. Equation 1 shows an example equation.

$$\rho \frac{D\mathbf{u}}{Dt} = -\nabla p + \nabla \cdot \boldsymbol{\tau} + \rho \mathbf{g} \tag{1}$$

2. Sections

Organize your paper using standard markdown headings.

Some standard sections are:

- Introduction
- Methods
- Results
- Discussion
- Conclusion

Acknowledgement

Include your acknowledgements in this section.

Author Contributions

If the paper has more than one author, the CRediT section must be included. See example usage at <https://casrai.org/credit/>

- First Author: Conceptualization, Data Curation, Formal Analysis
- Second Author: Data Curation, Writing - Original Draft
- Third Author: Visualization, Investigation

Funding Statement

When applicable, please specify the funding information for this research.

Open Data Statement

Mandatory section!

Include DOI and a short description of supplementary data.

Reproducibility Statement

Mandatory section!

Information on how to reproduce this research, including access to: 1) source code related to the research, 2) source code for the figures, 3) source code/data for the tables when applicable.

References

- [1] Christian Fuchs and Marisol Sandoval. “The diamond model of open access publishing: Why policy makers, scholars, universities, libraries, labour unions and the publishing world need to take non-commercial, non-profit open access serious”. In: *TripleC: Communication, capitalism & critique* 11.2 (2013), pp. 428–443.
- [2] Matthias Schäfer, Martin Strohmeier, Vincent Lenders, Ivan Martinovic, and Matthias Wilhelm. “Bringing up OpenSky: A large-scale ADS-B sensor network for research”. In: *IPSN-14 proceedings of the 13th international symposium on information processing in sensor networks*. IEEE. 2014, pp. 83–94.