# ISIT 2023 Paper Template
# Please Capitalize Important Words in Title

Anonymous Authors
Please do NOT provide authors' names and affiliations
in the paper submitted for review, but keep this placeholder.
ISIT23 follows a **double-blind reviewing policy**.

*Abstract*—THIS PAPER IS ELIGIBLE FOR THE STUDENT PAPER AWARD. (Remove this comment for final version of paper.) Instructions are given for the preparation and submission of papers for the *2023 International Symposium on Information Theory*. This template is available (including LaTeX-source) from https://isit2023.org/

## I. DOUBLE-BLIND REVIEWING POLICY

ISIT 2023 enforces a soft double-blind reviewing policy. Submissions should not reveal the identity of the authors in any way. In particular, authors' names, affiliations, email addresses, and funding acknowledgments must not appear anywhere in the submission, and authors should ensure that any references to their own related work are in the third person.

We recommend to delay a publication of the paper on arXiv until after the reviewing process is completed, but this is not enforced. Note, however, that a reference to an arXiv-version of the presented work is not permitted. Particularly, it is not allowed to refer to a more detailed version of the work on arXiv (or anywhere else). In order to allow for enough details to enable proper reviewing, the page limit has been increased to 11 pages; see Section II below.

The TPC chairs will reject papers that, in their sole judgment, blatantly violate the requirement for author anonymity.

### A. Detailed Instructions for Double-Blind Submission

- Remove the names and affiliations of authors from the title page.
- Remove acknowledgments.
- Remove project titles or names that could be used to trace back to the authors via web search.
- Carefully name your files to anonymize author information.
- Carefully refer to related work, particularly your own. Do not omit references to provide anonymity, as this leaves the reviewer incapable of grasping the context. Instead, reference your past work in the third person, just as you would any other piece of related work by another author. For example, instead of "In prior work [1], we presented a scheme that...," sentences in the spirit of "In prior work, Moser *et al.* [1] presented a scheme that..." should be used. In this way, the full citation of the referred paper can still be given, such as "[1] S. M. Moser, ...". It is not acceptable to say "[1] Reference deleted for double-blind review."

- We recommend to delay the posting of the submitted manuscript or its title/abstract on a public website, such as arXiv or on public mailing lists, until after the reviewing process is completed. (This is not enforced)
- The submitted manuscript (PDF file) should be text-searchable. Any submission that does not meet this requirement may be returned without review.
- Many of the editing tools automatically add metadata to the generated PDF file containing information that may violate the double-blind policy. Please remove any possible metadata that can link your manuscript to you. This includes removing names, affiliation, license numbers etc. from the metadata as well as from the paper. Failing to meet this requirement may also lead to a rejection without review.

Contact the TPC chairs if you have any questions regarding the double-blind reviewing policy.

## II. PAGE LIMIT

The main body of a manuscript should not exceed **5 pages** in length. There can be an **optional extra page** containing references only. Moreover, the manuscript submitted for reviewing may contain an **optional 5-page appendix** with additional proofs and details that may be helpful for the reviewers. This appendix will have to be removed in the final version of an accepted paper.

Summary: **5+1+5 in double-column format**.

## III. PAPER FORMAT

### A. Template

The paper must be formatted as shown in this sample LaTeX-file. More help regarding LaTeX can be found in [1]–[5]. Note that the source of this file relies on IEEEtran.cls, which is part of any modern LaTeX-distribution and can be found on https://www.ctan.org/tex-archive/macros/latex/contrib/IEEEtran/

The use of a text processing system other than LaTeX is not recommended. In particular, we very strongly discourage the use of Microsoft Word. Users of any text processing system other than LaTeX should attempt to duplicate the style of this example as closely as possible (including font type and size).

### B. Formatting

The paper must be A4 or letter size and in double-column format. The style of references, equations, figures, tables, etc., should be the same as for the *IEEE Transactions on Information Theory*.

The source file of this template paper contains many more instructions on how to format your paper. So, example code for different numbers of authors, for figures and tables, and references can be found there (they are commented out).

For instructions on how to typeset math, especially for multiple-line equations with broken equations, we refer to [4].

Pages should not be numbered and there should be no footer or header (both will be added by us during the production of the proceedings). The authors' affiliation shown in the final version of accepted papers should constitute a sufficient mailing address for persons who wish to contact the authors for more details about the paper.

### C. PDF Requirements

Only electronic submissions in form of a PDF file will be accepted. The PDF file has to be PDF/A compliant and text-searchable.

A common problem is missing fonts. Make sure that all fonts are embedded. (In some cases, printing a PDF into a new PDF or creating a new PDF with Acrobat Distiller may do the trick.) More information is available from the IEEE website [6].

## IV. SUBMISSION

### A. Tracks

This conference features two tracks:

- For papers in the **in-person track**, one author must present the work personally in Taipei.
- For papers in the **virtual track**, the presentations will be given live via zoom in front of a mixed virtual and live audience, i.e., the in-person attendees of the conference will be able to join the virtual sessions live in the conference center. Pre-recorded videos will not be accepted.

  The number of papers in the virtual track is limited, and thus a slot in the virtual track cannot be guaranteed.

In either track, a failure of a live presentation (in-person or via zoom, respectively) of their work by one of the authors will result in the removal of the paper from the published proceedings.

### B. Submission of Papers for Review

Papers in the form of a PDF file, formatted as described above and following the double-blind policy, may be submitted online at

https://edas.info/N29759

The deadlines for registering and uploading the paper in EDAS is

- for the virtual track: **January 3, 2023**, 23:59 Taiwan time (UTC+8);
- for the in-person track: **January 22, 2023**, 23:59 Taiwan time (UTC+8).

Each paper must be classified as "eligible for student paper award" or "not eligible for student paper award". Papers that are selected to be eligible for the student paper award should also contain *"THIS PAPER IS ELIGIBLE FOR THE STUDENT PAPER AWARD."* as a first line in the abstract. Note that this comment must be removed again in the final manuscript.

### C. Submission of Accepted Papers

Please do not forget to remove the 5-page appendix if present and to add authors' names and affiliations and all necessary acknowledgments. Also remove the sentence *"THIS PAPER IS ELIGIBLE FOR THE STUDENT PAPER AWARD."* in the abstract if present.

The deadline for the submission of the final version of accepted papers is **May 6, 2023**, 23:59 Taiwan time (UTC+8). Accepted papers not submitted by that date will not appear in the ISIT proceedings and will not be included in the technical program of the ISIT.

Please make sure that the meta data in EDAS (list of authors, title and abstract) match exactly the final version of your paper. For generating the program booklet, the data in EDAS is used and not the final version of the paper.

## V. CONCLUSION

We conclude by pointing out that on the last page the columns need to be balanced. Instructions for that purpose are given in the source file (they are commented out).

### REFERENCES

[1] L. Lamport, *LaTeX: A Document Preparation System,* Addison-Wesley, Reading, Massachusetts, USA, 2nd ed., 1994.

[2] F. Mittelbach, M, Goossens, J. Braams, D. Carlisle, and C. Rowley, *The LaTeX Companion,* Addison-Wesley, Reading, Massachusetts, USA, 2nd ed., 2004.

[3] T. Oetiker, H. Partl, I. Hyna, and E. Schlegl, *The Not So Short Introduction to LaTeX2e,* version 6.4, Mar. 9, 2021. [Online]. Available: https://tobi.oetiker.ch/lshort/

[4] S. M. Moser, *How to Typeset Equations in LaTeX*, version 4.6, Sep. 29, 2017. [Online]. Available: https://moser-isi.ethz.ch/manuals.html#eqlatex

[5] M. Shell, "How to use the IEEEtran LaTeX class," *Journal of LaTeX Class Files*, vol. 14, no. 8, Aug. 2015. [Online]. Available: https://mirrors.ctan.org/macros/latex/contrib/IEEEtran/IEEEtran\_HOWTO.pdf

[6] IEEE, *Author Center.* [Online.] Available: https://ieeeauthorcenter.ieee.org/

## APPENDIX

The appendix (or appendices) are optional. For reviewing purposes additional 5 pages (double-column) are allowed (resulting in a maximum grand total of 10 pages plus one page containing only references). These additional 5 pages must be removed in the final version of an accepted paper.