

Your Paper Title

Extended Abstract

ASPLOS'23 will require the submission of *Extended Abstracts*. Your extended abstract — inspired by the model used for IEEE Micro Top Picks — should be *two pages long*, and it will be submitted separately from your main paper. The deadline for the extended abstract and the full paper will be identical. Except for the page limit, **all other formatting and anonymity requirements are identical** to those for full papers: no names or affiliations should be present, and citations should be anonymized if appropriate. Extended abstracts should be self-contained, though they may contain references to the full paper.

We *recommend*—but do not require—that you use the following organization for your abstract. Sections 1 through 5 should be a summary of your full paper. Section 1 motivates the paper; Section 2 describes limitations of the state of the art, if applicable; Section 3 presents the key new insight or insights of the paper; Section 4 presents the main artifacts described in the paper; Section 5 summarizes the key results and technical contributions of your paper. Finally, Section 6 should explain why the paper is suitable for ASPLOS.

The extended abstracts must be submitted in printable PDF format and should contain a **maximum of 2 pages** of single-spaced two-column text, **not counting references**. You may include any number of pages for references, but we suggest you limit your bibliography to only the most relevant references. The extended abstracts should use the same formatting as the regular papers. If you are using L^AT_EX [1] to typeset your extended abstract, then we suggest that you use the template that we provided on ASPLOS website. If you use a different software package, then please adhere to the [formatting guidelines](#) for ASPLOS papers.

For more examples, please check the [extended abstracts of papers accepted by ASPLOS 2021](#).

The extended abstract should not have an abstract. Start with Section 1.

1. Motivation

- What is the problem your work attacks? Be specific.
- Why is it an important problem?

Articulate the importance of this problem to the broader ASPLOS community, using as little jargon as possible. *Be specific* about the problem you are addressing; it should be the one that your paper directly addresses.

2. Limitations of the State of the Art

- What is the state of the art in this topic today (if any)?
- What are its limits?

3. Key Insights

- What are the one or two key new insights in this paper?
- How does it advance the state of the art?
- What makes it more effective than past approaches?

4. Main Artifacts

- What are the key artifacts presented in your paper: a methodology, a hardware design, a software algorithm, an optimization or control technique, etc.?
- How were your artifacts implemented and evaluated?

5. Key Results and Contributions

- What are the most important *one or two* empirical or theoretical results of this approach?
- What are the contributions that this paper makes to the state of the art? List them in an `itemize` section. Each contribution should be no more than a few sentences long.
- Clearly describe its advantages over past work, including how it overcomes their limitations.

6. Why ASPLOS

ASPLOS emphasizes multidisciplinary research; explain how this paper emphasizes synergy of *two or more ASPLOS areas*: architecture, programming languages, operating systems, and related areas (broadly interpreted).

If you are unsure whether your paper falls within the scope of ASPLOS, please check with the program chairs — ASPLOS is a broad, multidisciplinary conference and encourages new topics.

References

- [1] Leslie Lamport. *L^AT_EX: A Document Preparation System*. Addison-Wesley, Reading, Massachusetts, 2nd edition, 1994.