

Hola! We introduce A

noma R

esearch T

opics, an initiative

that could help our endeavours and that we want everyone to participate in at some point.

- ART coordination: <https://art.anoma.net>

Outdated description of ART

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ART Index

- Last update: 2023-10-02 14:04:09
- Order by downloads/unique

Title

Doi/url

Date

Views/unique

Downloads/unique

Juvix to VampIR Pipeline

[10.5281/zenodo.8268823](https://doi.org/10.5281/zenodo.8268823)

Aug 14, 2023

(179, 125)

(144, 107)

Geb Pipeline

[10.5281/zenodo.8262747](https://doi.org/10.5281/zenodo.8262747)

Aug 21, 2023

(158, 130)

(129, 115)

The Core language of Juvix

[10.5281/zenodo.8297159](https://zenodo.org/record/8297159)

Aug 29, 2023

(88, 64)

(75, 53)

Rethinking VampIR

[10.5281/zenodo.8262815](https://zenodo.org/record/8262815)

Aug 29, 2023

(46, 42)

(37, 37)

Anoma: a unified architecture for full-stack decentralised applications

[10.5281/zenodo.8279842](https://zenodo.org/record/8279842)

Aug 24, 2023

(37, 29)

(29, 23)

Exploring Cryptographic Approaches to Enhance Privacy in Intent Solving

[10.5281/zenodo.8321167](https://zenodo.org/record/8321167)

Oct 02, 2023

(0, 0)

(0, 0)

ART In preparation

Topic

Title

Status

Assigned DOI

Compilers

VampIR Bestiary

In-preparation

TBA

Intent

Constraint Satisfaction Problems: A Survey for Anoma

In-preparation

TBA

Quick Links

- [ART Zenodo Index](#)
- [ART LaTeX template](#)

- [BibTex ART citation database](#)

About

The [Anoma Research Topics](#)

(ART for short) repository/community is our public, online collection of research and development efforts. It serves as a catalog for:

- Research and technical reports,
- Educational materials such as tutorials,
- Software, represented by our GitHub codebase and its releases,
- Other relevant artefacts aiding idea communication.

Covering diverse topics including compilers, cryptography, distributed systems, among others, the repository primarily features articles written by Anoma researchers, but external contributions are welcome.

The Rationale Behind ART

The ART repository centralises our written work often overlooked in Slack messages, blog posts, HackMD notes, and outdated PDF drafts. Crucially, it facilitates peer review, ensuring each report undergoes scrutiny by at least one person other than the author. This not only improves the quality of work but also fosters consensus on content.

Following extensive discussion, we're launching the repository and seeking volunteers to help curate it through reviewing submitted reports and software. Ideally, each report should be reviewed by two people - the editor and someone familiar with the topic. Currently, I'm handling reports related to the Juvix project and need assistance with areas:

- Cryptography
- Distributed systems
- Protocol design
- Compilers

Benefits of the ART Repository

The ART repository offers several immediate benefits:

- Centralisation of our written work.
- DOI assignment for our reports and software.
- Versioning of our reports and software.
- Enhanced public access and discoverability of our work.
- Statistics on our work, including downloads and citations.

Bonus: each record can also be referred to as ARTX

, where X represents

the record's number is X, so we just need to use <https://zenodo.org/record/X> .

Hosting of the Repository

The ART repository is hosted on [Zenodo](#), a general-purpose repository

platform that aligns with our goal to catalog not just papers but all types of artefacts. However, our primary focus, at least in the medium term, is on reports and papers. Here are the useful links:

- [Community Collection](#)
- [Submit a New Record](#)
- [Curation URL](#)
- [Harvesting URL](#)

Guidelines for Contribution

We encourage everyone to contribute to the ART repository. If you wish to contribute or become a co-editor, please contact me directly. For now, the contribution process is simple: send me a direct message on Slack.

A potential workflow could be the following:

ART Workflow proposal

1. Collective Brainstorming (Optional):

Recurring short slots for lightning talks on research ideas for picking the collective brain.

1. Initiating Forum Discussion (Optional):

Authors initiate a forum

discussion to gather feedback and suggestions from peers and experts.

1. Draft Creation and Editor Consultation:

Once a topic is selected or

the forum discussion is deemed mature, authors begin drafting the manuscript. Editors are contacted at this stage for an assigned Overleaf project for future indexing.

1. Reviewer Selection, Review Phase, and Refinement:

After finalising

the draft, a suitable reviewer is sought. Editors may suggest potential reviewers. The chosen reviewer and editor provide feedback on content and formatting via Overleaf.

1. Review Iteration and Refinement:

Upon resolving all comments and

suggestions on Overleaf, authors and editors agree on indexing and publication. Once the document meets indexing criteria, it's submitted for indexing on Zenodo ART, thus becoming an official publication.

Feel free to modify this workflow here: <https://hackmd.io/@heliax/ByPOz4F32>

Guidelines for Authors

We utilise LaTeX for report writing and Overleaf for collaborative editing.

The ART-template is available at:

- [GitHub - anoma/art-template: Anoma Research Topics Template](#)

To gain access to an assigned Overleaf project, please contact me directly. This is the recommended way. Also, if you are unfamiliar with LaTeX and want to use Markdown, that's also possible using [Pandoc](#).