Antitrust Policy & Member Participation

› Attendees are reminded to adhere to the meeting agenda and not participate in activities prohibited under antitrust and competition laws*

› Only members of Trust Over IP who have signed the necessary agreements and charters are permitted to participate in this activity beyond an observer role

* Examples of types of actions that are prohibited at Linux Foundation meetings and in connection with Linux Foundation activities are described in the Linux Foundation Antitrust Policy available at http://www.linuxfoundation.org/antitrust-policy

Agenda

- Agenda Review (1 min)
- Welcome New Members (1 min)
- Foundation Wide Updates and Announcements (5 min)
- Working Group Updates
- Open Discussion

New Members Review

Contributor Organizations	Contributor Individuals	Steering Committee
Digital Governance Institute		
IAMX AG		
HealthKERI		
DIDTech		

Foundation Wide

Updates & Announcements

Updating our Membership Rolls

- We are working on a **project to update our database** of members.

- Michelle is in the process up updating our records based on the email set out last month.

- Please make sure we have your current and accurate information, if it is incorrect please reply and let us know.

- We will be deleting any bounced emails from our rolls.
  If you have changed companies or email addresses and therefore do not receive and email from Michelle requesting your updated information, please reach out to her directly to make sure your membership stays active.

- She can be reached at: mjanata@linuxfoundation.org or via Slack

Upgrade to General Membership

- Now is a great time to consider upgrading your membership to become a funding member of ToIP.   As you know, we work on a limited budget and can use your financial support to sustain the work of the foundation.

- To learn more about **General Membership** or other **funding opportunities**, please reach out to judith@trustoverip.org

Linux Foundation News

LF launches
[LF Decentralized Trust umbrella project](#)

The ToIP Steering Committee will be discussing this topic in an upcoming Steering Committee meeting.

At this time, this new umbrella project does not change the excellent work of ToIP or its structure. We will continue the good work of all our members via our working groups and task forces and continue forward on our mission.

Working Group Updates

Human Experience Working Group
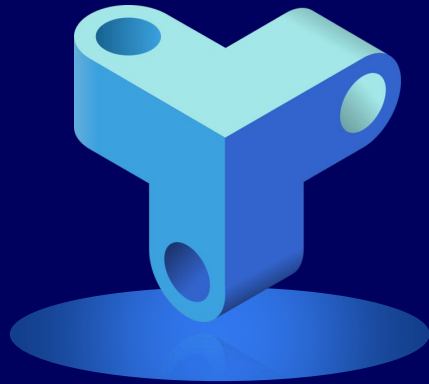
Human Experience Working Group

Last Month

- OICD Presentation posted to YouTube [HERE](#)
- Presented to Hyperledger Identus

Next Month

- Conduct interviews with survey respondents regarding user experience insights.
- Follow up with Open Wallet Foundation to present research.
- Coordinate with the Creator Assertions WG (CAWG)
- Release blog post
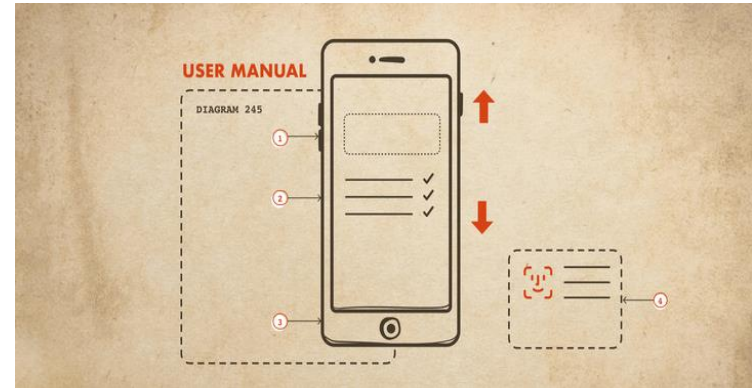
Human Experience Working Group

Additional Action Items

- Clean up the Human Experience Confluence Page
- Update the front section of the Wiki describing the task force.
- Update the deliverables and housekeeping sections in the Wiki.
- Refresh the white paper, cheat sheet, and survey results on the Wiki.

Meeting Times - HXWG
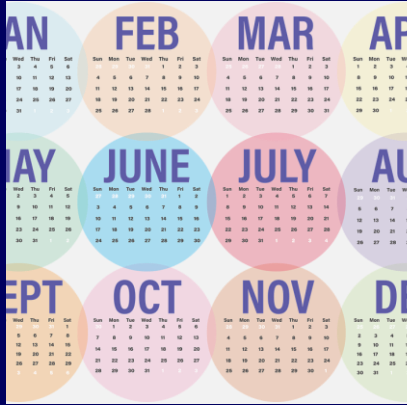
NA / EU First Thursday of each month at 17.00 UTC = 9.00 PT.

Next call is *Thursday 1st August 2024 at 9.00 PT*

Skipping the 4th of July, unless there is a need from our non American members.

Subscribe on the ToIP Meeting Calendar

https://wiki.trustoverip.org/display/HOME/Calendar+of+ToIP+Meetings

Concepts and Terminology Working Group

ToIP Glossary progressing as a ToIP Specification

- **https://trustoverip.github.io/ctwg-main-glossary/**

- Includes almost 400 terms that we want to harmonize across all ToIP deliverables

- It does not preclude any WG from defining additional specialized terms for a deliverable-specific glossary

- We are still working out bugs and standardizing persistent links

- But you can begin **linking to terms today**!

- We expect to publish a **ToIP Glossary V1.0** in July

New Version of Spec-Up: Spec-Up-T (for ToIP)

- Spec-Up is a Decentralized Identity Foundation (DIF) open source project: https://identity.foundation/spec-up/

- It includes a basic glossary feature for defining terms and referencing (linking) them within a Spec-Up document

- Brian Richter added support for **external references** ("xrefs")

- Now, Henk van Cann and Kor Dwarshuis have created **a new extended version of Spec-Up** that supports **living glossaries**

  a. Edit individual glossary entries w/full GitHub history

  b. View the version history of any glossary entry

§ Trust over IP [Edit trust-over-ip] [History]

A term coined by John Jordan to describe the decentralized digital trust infrastructure made possible by the ToIP stack. A play on the term *Voice over IP* (abbreviated *VoIP*). The term was adopted as the name for the Trust over IP Foundation aka ToIP Foundation.

Also known as: ToIP.

§ trust registry [Edit trust-registry] [History]

> Any information published under the authority of a governing body for the purpose of governing a trust community. This includes its governance framework and any information available via an authorized trust registry.

Hover any linked term to pop-up the definition

A registry that serves as an authoritative source for trust graphs or other governed information describing communities. A trust registry is typically authorized by a governance framework.

Copy link to term with one click

also: trust list, verifiable data registry.

§ trust registry protocol [Edit trust-registry-protocol] [History]

See the version history for this term on GitHub

See: ToIP Trust Registry Protocol.

Propose an edit to the definition via GitHub

Meeting Times - CTWG

Every other Monday
10:00 Pacific / 13:00 Eastern / 17:00 UTC

Co-chair: Drummond Reed
Co-chair: Henk van Cann

Goal: Practical application of Concepts and Terminology
In the spirit of the toolbox & guidelines.
Hopefully means:
1. More effective communication
2. More detailed background information
3. Architectural decisions clearer

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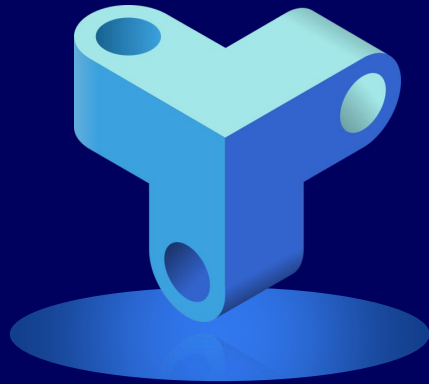
Technology Stack Working Group

Technology Stack Working Group

1. Technology Architecture TF ⇐ **2ND PUB REV DRAFT BY IIW**
2. ACDC Task Force ⇐ **3 SPECS IN SECOND PUBLIC REVIEW**
3. AI & Metaverse Task Force ⇐ **MAJOR AI SAFETY PROJECT IN 2024**
4. Trust Registry Task Force ⇐ **IMPL DRAFT PUBLISHED IN APRIL**
5. Trust Spanning Protocol Task Force ⇐ **IMPL DRAFT IN MARCH**
6. Credential Exchange Protocols Task Force
7. did:webs Method Task Force ⇐ **SPEC IN POST-PUBLIC REVIEW**
8. X.509 VID Task Force ⇐ **MAKING IMPORTANT PIVOT**
9. Trust DID Web (did:tdw) Task Force ⇐ **NEW**

Two New Asynchronous Task Forces

No regular meetings

- Service Discovery Task Force (Andor Kesselman)
    a. Standardized discovery of a functional profile of any online service
    b. Can apply to any ToIP protocol or service endpoint
    c. https://wiki.trustoverip.org/pages/viewpage.action?pageId=74875289
- Specification Template Task Force (Kevin Griffin)
    a. Standardizing the Spec-Up template for all ToIP specifications
    b. https://wiki.trustoverip.org/pages/viewpage.action?pageId=74875300

Technology Architecture Task Force

- Nearing completion of second public review draft of [ToIP Technology Architecture Specification V1.0](#)

  a. First Public Review Draft published Nov 2022

  b. Working asynchronously — only meeting as needed

- Most major tasks are completed (canonical use cases, 3rd gen ToIP stack diagram)

- The final major task is full integration with the ToIP Glossary V1.0: **the first ToIP specification to have full integrated glossary support**

ACDC Task Force

- The 3 major specifications — KERI, CESR, and ACDC — now have IETF RFC 2119 normative keywords

- The Task Force is requesting review of this new normative language

- Please post any feedback as GitHub issues

AI and Metaverse Task Force

- The AI and Metaverse Task Force (AIMTF) has launched the Authentic Generative AI initiative to study and produce a specification of sharing authentic data between authenticated endpoints. This work intends to utilize TSP to distribute data & content in C2PA and other data formats.

- The TF is calling for use cases. To participate, please read the background and contribute your use cases in this [PROPOSAL](#) doc. The TF plans to publish the first blog post by July.

- Please join the meeting series at 9AM PT (bi-weekly).

- AIMTF also hosts an ongoing series of expert & community presentations. To present or recommend a person/topic, please contact co-Chairs Wenjing Chu and Anita Rao.

Trust Registry Task Force 2.0

- Meeting every Thursday (NA/EU & APAC)

- Deliverables under way:

  - Trust Registry Protocol Specification **⇐ under Implementers Review**

    - **Renamed to "Trust Registry Query Protocol Specification"**

  - Trust Registry Query Protocol Companion Guide **⇐ WILL FOLLOW THE SPEC**

Trust Spanning Protocol Task Force

- Meets every other Wednesday (both NA/EU and APAC)

- Delivering the **ToIP Trust Spanning Protocol Specification**

  - Keystone of the entire ToIP stack

  - See the 18 requirements in the [ToIP Technology Architecture Spec V1.0](#)

- **First Implementer's Draft released in April**

- **OpenWallet Foundation implementation project announced in May**

- To learn more about the 7 pillars of the design, see [the August 2023 ToIP blog post](#)

Credential Exchange Protocols Task Force

- Held a 2-hour working session on May 30th and started working on documenting credential presentation protocols against the evaluation criteria.

- We continue to hold bi-weekly meetings where we discuss the intricacies of the various protocols and their dependencies on other technical facets.

DID Method webs Task Force

- Meets Fridays at 15:00 UTC

- Rationale for this TF: The founders saw an opportunity to secure the relatively insecure did:web method by "tunneling" a self-certifying identifier (autonomic identifier or AID) inside a did:web URL

- The spec was drafted in GitHub using the SpecUp tool

- The V1.0 spec public review period ran December 2023—Jan 2024

  - Currently making revisions based on public review feedback

  - Targeting V1.0 release in Q2 2024

X.509 VID Task Force

- Meets every other Thursday at 8:30AM PT / 15:30 UTC
(but on hiatus during the June conference season)

- Original goal: specify a deterministic way to use a standard X.509
digital certificate as a Verifiable Identifier (VID)

- MAJOR PIVOT: The TF concluded this goal was unrealistic—
a better approach is to specify a standard way to add a DID to an
X.509 certificate using the Subject Alternative Name field

- This way the cert binds the DID, the public key, and the subject

- Seeking a new co-chair to join Drummond Reed to lead this TF

NEW: Trust DID Web (did:tdw) Task Force

- New TF to write the specification for the Trust DID Web method

- TDW uses self-certifying identifiers (SCIDs) — the same principle followed in KERI and did:webs

- TDW uses a JSON file structure to maintain the state transitions between different DID documents

- Strong interest at recent conferences (IIW, DICE)

- Chairs are Stephen Curran and John Jordan

- No meeting schedule set yet — should start up in July

Meeting Time -TSWG

Plenary meeting once every four weeks on Tuesdays
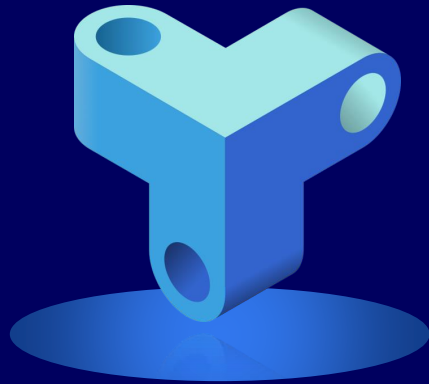NA/EU: 08:00-09:00 PT

Next meeting is **Tuesday July**

NEW WEEKLY APAC TSWG REPORT-OUT MEETING
Covers all TSWG Plenary and Task Force meetings
WEDNESDAYS 15:00-16:00

Subscribe on the ToIP Meeting Calendar

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Governance Stack Working Group

Governance Stack Working Group

Focus on 2024:

- Third Generation Diagrams
- Role Requirements (Trust Registry, Verifier, Holder, etc.)

Three active Task Forces

- **Governance Architecture TF** – Model for the Governance side of the ToIP Stack

- **Attraction Pass TF** – wrapped up. (Static) Risk Assessment shifted to C2PA

- **Issuer Requirements TF** – Completed (deliverables published). Verifier Requirements TF possible related project
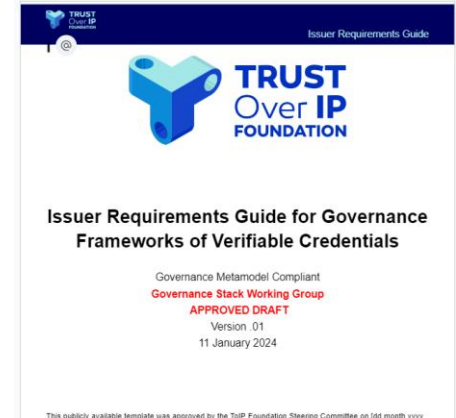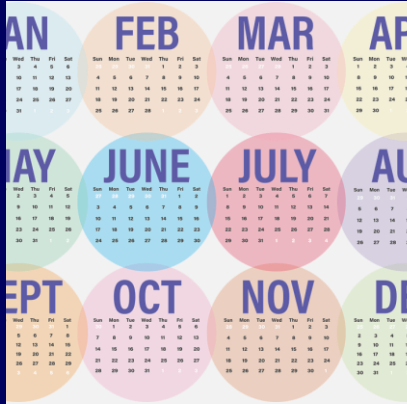
Governance Architecture TF

- The start of this reporting period saw a cleanup of the 3rd generation diagram folder and contents and some additional "tweaks" to some of the diagram elements (the infinite arrows "8" for governance is now a single image rather than a collection of objects that can end up looking like spaghetti when moved...)

- Later in the period the new build explainer for the "Trust Canvas" was given several public airings at conferences and seems to be travelling well.

- In addition the group has been exploring the application of the Risk Assessment Guide and template to a real-world example – the C2PA specification. This has generated a number of learnings for the ToIP governance risk assessment tools as well as some interesting observations to share with the C2PA team.

- Future work includes the co-development with others in ToIP of a Guide for the 3rd Gen trust model.

- **Planning for remainder of 2024**
  - Work To Date – Wrap up of findings to date, initial Risk Assessment investigation
  - Next steps
    - Shifted to C2PA for Risk Assessment.
    - See DMRWG for details

Issuer Requirements TF

- ToIP Steering Committee agree to issue GSWG Document and solicit public feedback

- [Document](#) is now on (public) ToIP Deliverables page

- Blog Post post 2 Apr 2024 (Toip public site)

- TF suspended

- Next steps – public feedback

Issuer Requirements Guide for Governance
Frameworks of Verifiable Credentials

Governance Metamodel Compliant
Governance Stack Working Group
APPROVED DRAFT
Version .01
11 January 2024

Meeting Time - GSWG

GSWG - every fourth Thursday

- 11: Pacific / 14: Eastern / 18:00 UTC

Governance Architecture TF - alternate Wednesdays
- Americas: 16: Pacific / 19: Eastern / 23: UTC
- APAC/EU: 01: Pacific / 04: Eastern / 08: UTC

Issuer Requirements TF - alternate Wednesdays
- NA/EU: 7: Pacific / 10: Eastern / 14: UTC
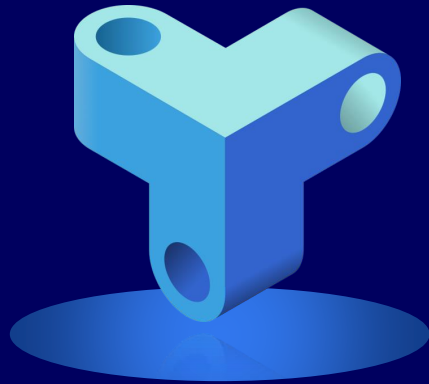- APAC: 21: Tues EST/ 6:30 Weds IST/ 11: Weds AEST

Attractions Pass TF - alternate Tuesdays
- 8: PT / 11: EST / 15: UTC

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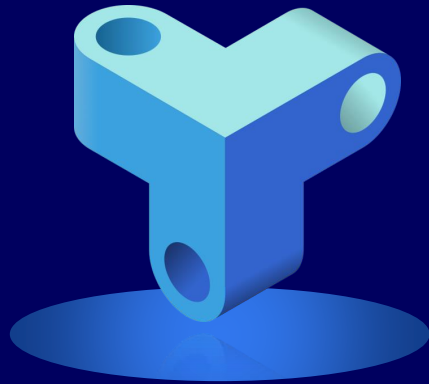
Utility Foundry Working Group

Utility Foundry Working Group

Ongoing work items (Unchanged since the last report):

- [Public Utility Directory](#):
  - This is a list of all the active Layer 1 utilities which currently have representative members at ToIP
- [A Framework for Evaluating Layer 1 Utilities – Overview](#)
  - This document identifies the key differences and considerations between the core Layer 1 utilities for clients/customers looking to adopt a ToIP compatible SSI solution
  - Final review is complete – formatting and delivery to TSC remains. (If anyone wants to volunteer to do the formatting, it would be greatly appreciated)
- Due to decreased interest by ToIP members in participating in this groups goals directly, those that remain are currently contributing all of our ongoing efforts to the **Governance Architecture Task Force**.
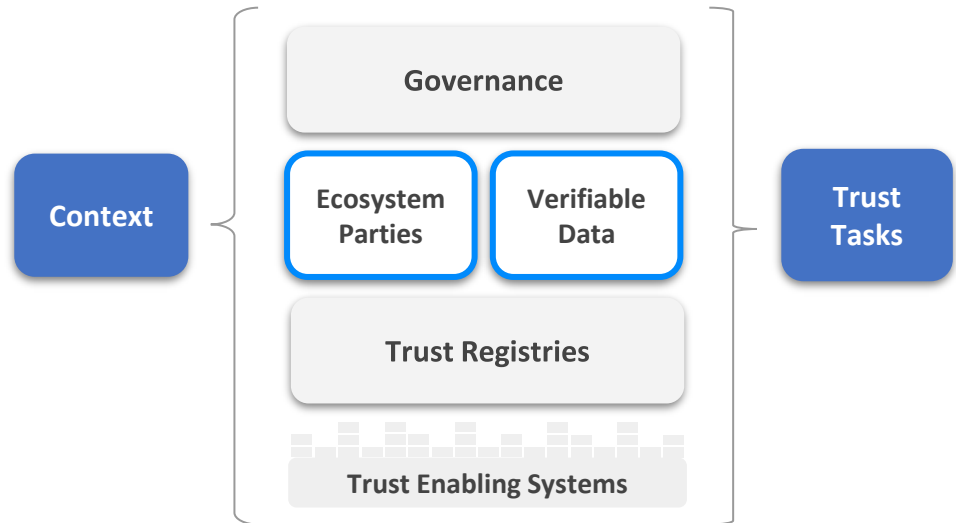
Ecosystem Foundry Working Group

EFWG Deliverables

Digital Trust Ecosystem Building Blocks as as an intro to the Digital Trust Canvas.

Drafting Two Documents:

- **DTE Building Blocks Template**: allows users to answer questions and fill in blanks which results in a broad summary of the DTE;

- **DTE Building Blocks Companion Guide**: details about each Building Block and the important aspects to consider in regards to the DTE as a whole.

Context

Governance

Ecosystem Parties

Verifiable Data

Trust Registries

Trust Enabling Systems

Trust Tasks

2024 Upcoming Presentations

- 18 July: **Refunite / Relay**
  https://refunite.org/ / https://www.relayhelp.world/

REFUNITE is the world's largest missing persons platform for refugees and displaced populations.

RELAY is a platform, or 'trust network' that has grown out of the REFUNITE ecosystem, and which enables direct funding of impact projects for the extended refugee communities.
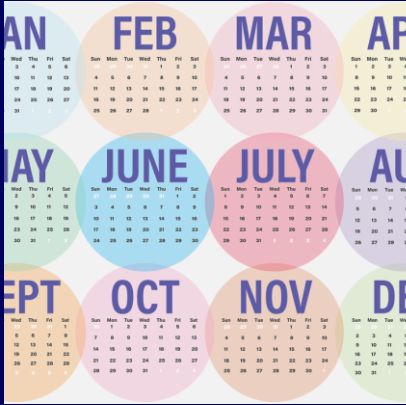
Meeting Time - EFWG

Every Alternate Thursday
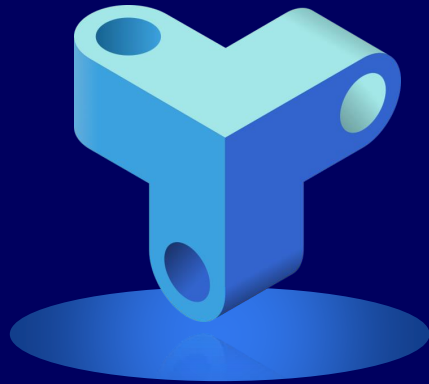8am PDT / 11am EST / 15:00 UTC / 17:00 CEST

Next Meetings:

- 18 July
- *Off month of August*
- 12 September

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https://wiki.trustoverip.org/display/HOME/Calendar+of+ToIP+Meetings

Data Modeling and Representation Working Group

Data Modeling and Representation Working Group

- Meets bi-weekly Tuesdays at 17:00 UTC
- Chairs: Neil Thomson and Steven Milstein
- Focus on data, modelling & representation
  - Contributor (data perspective): Governance (Issuer Req, Risk Assess,...)
- 2024 Activities
  - (Static) Risk Assessment & Data Provenance - ToIP (ACDC) and C2PA models
    - Current task, expand Risk Assessment types, categories and examples based on Data Provenance Use Cases
  - DIF Traveler Profile specification
    - Refining "personal preferences" data structure and preference request (query) requirements
    - Understanding Travel Service (marketing, travel planning) use cases

Meeting Times - DRMWG
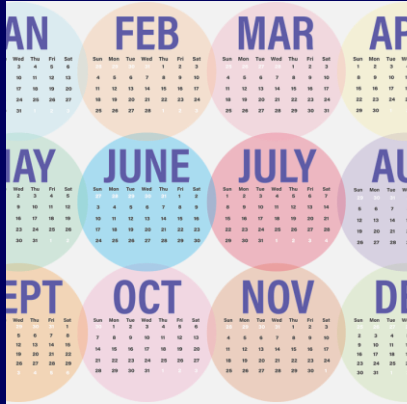
DRMWG - Every 2 weeks/bi-weekly (Next Jul 9, 2024)
9:00 Pacific / 12:00 Eastern / 16:00 UTC

Future Topics:
- Review updated Risk Assessment Template, Companion Guide
- Review of Travel Profile data architecture and data privacy approach(es)

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Next All Members Meeting

July 17th, 2024

TSP for Authenticity and Privacy in AI

by Wenjing Chu and the AIM TF

Open Discussion

TRUST Over IP

FOUNDATION