International Conference on Trustworthy Digital ID 2023

The Alan Turing Institute & IIIT- Bangalore

14 and 15 September 2023

Call for Papers

*Hybrid with In-Person event at the*

International Institute of Information Technology Bangalore

Scope

The International Conference on Trustworthy Digital Identity 2023 to be held in Bengaluru, India, on the 14th and 15th of September 2023, is being co-hosted by The Alan Turing Institute, UK and the International Institute of Information Technology Bangalore India. The event was created as part of the Trustworthy Digital Infrastructure for Systems project funded by the Bill & Melinda Gates Foundation and is in its 3rd year as an international forum for researchers, practitioners, open source advocates and developers to present and discuss the most recent innovations, trends, results, experiences and concerns on adoption of digital identity systems.

The requirement of a legal identity for all individuals to participate in the economy was recognised in various forms since the early twentieth century. However, it is pointed out in a 2019 World Bank report how the formal systems for identification of individuals, i.e., the authentication of identity and authorisation of the services relevant for the individuals, are often not present or have failed in many developing countries, thereby denying a range of rights and services, e.g., access to healthcare, education and finance. A review by 2018 World Bank report indicates that there are about 11 countries in the world (mostly in sub-Saharan Africa) where more than 50 percent of the population have not yet been registered for any identity. There are nearly 1 billion people around the world who are yet to be registered in identity systems. These figures highlight the long road towards achieving universal identity for development and associated purposes.

Policy development for supporting appropriate identity related services have been high on government agendas and the technologies around capturing, processing, storing and transmission of sensitive digital identity related data have evolved at a rapid pace. Advancements including cloud storage, advanced biometric de-duplication and authentication algorithms, distributed ledger technologies for non-repudiation, advanced cryptographic techniques including homomorphic encryption, advanced privacy enhancing technologies such as differential privacy have enabled roll-out of secure and privacy proof digital identity systems at national levels.

It is in this context that we are pleased to invite you to submit your papers to our International...
The Conference on Trustworthy Digital Identity 2023. The objective of this conference is to review state of the art technology and policy research in large scale deployments of Foundational Digital Identity systems, in the following (but not limited) areas:

**Technology Track**

1. Self-Sovereign Digital IDs
2. Advances in Secure Storage of Digital IDs
3. Advances in Secure Authentication of Digital IDs
4. Privacy-Preservation in Digital IDs
5. Digital Infrastructure for Digital IDs
6. Open Source for Digital IDs
7. Vulnerabilities in Digital ID systems
8. Portability and Interoperability of Digital IDs

**Policy Track**

1. Inclusivity of Digital IDs
2. Government Policies on Foundational Digital IDs
3. Privacy Challenges in Foundational Digital IDs
4. Social Security Systems using National Digital IDs
5. Political Concerns on National Digital IDs
6. Challenges in Civil Registration for National Digital IDs
7. Inter-Country Consensus on Digital IDs

**Industry Track**

1. Country Experiences in Deployment of National Digital ID Systems
2. Standardisation of Foundational Digital ID Systems
3. Open Source Ecosystem for Foundational Digital ID Systems
4. Demonstration of National Digital ID systems

**Conference Format and Submission Information**

The conference will have a blended format, with participants being able to present and attend in-person or virtually. Submitted papers written in English, must not have been published...
before, and not be under review for any other conference or publication. The complete author information shall be included in the camera-ready version, saved in Word or Latex format, and PDF format. All applications will need to be submitted via the Alan Turing Institute’s FlexiGrant Portal, which will require a registration upon your first visit: Portal homepage - The Alan Turing Institute (flexigrant.com)

All papers will be subjected to a “single-blind review” by at least two members of the Technical Committee. Based on their evaluation, a paper can be rejected or accepted by the Conference Chairs. In the latter case, it can be accepted as a paper or poster.

The conference programme will be designed around the identified tracks. The authors of accepted papers will have 20 minutes to present their work during track specific sessions; approximately 5 minutes of discussion will follow each presentation.

The authors of papers accepted as posters, who are attending in person must build and print a poster to be exhibited during the conference. The posters must follow an A1 or A2 vertical format. The conference may include sessions during which the posters are presented and discussed, with a 10-minute limit per poster. For virtual poster submissions, a digital presentation, which also follows the 10-minute limit, will need to be recorded and submitted three weeks before the conference.

As the conference proceedings will be recorded, a Speaker Release Form will need to be filled out and submitted by all participating speakers to allow for distribution of captured material. Sessions and papers will be referenced in a post-conference report, as well as made available in a digital format in the corresponding documentation.

The anticipated registration fee for in-person participants will be approx. £50 GBP / ₹5,000 INR.

If you want to request reasonable adjustments or have any queries about this call, please contact the team via akerlin@turing.ac.uk (Angelika Kerlin, Research Project Manager).

**Important Dates**

- Paper submission deadline: **24 July 2023**
- Notification of acceptance: **w/c 31 July 2023**
- Registration opens: **w/c 31 July 2023**
- Participants required to submit mandatory changes / camera-ready copy: **24 August 2023**
- Registration closes: **25 August 2023**
- Final conference programme announced: **29 August 2023**
Important Links:

The Bill & Melinda Gates Foundation Open Access Policy

The Alan Turing Institute Privacy Policy