Biometer: Measuring Biometrics from Every Angle

Format: Workshop

Date: 13th March, 2025

Duration: 60 mins (Incl. Q&A)

Target Audience: Countries, System Integrators, Technology Solution Providers

Targeted Expertise/Roles: Suitable for all

Max. no. of Participants: 25

Pre-requisites: Pre-registration for the workshop, Review pre-read material

Presenters: Dr. Ted Dunstone (Biometix), Dr. Mark Hooper (Alan Turing Institute), Sanjith Sundaram (MOSIP), Sasikumar Ganesan (MOSIP)

Objective:

Assessing biometrics from multiple perspectives is essential for building reliable, accurate, and equitable digital identity systems. As a fundamental component of digital identity, biometrics influence areas ranging from national security to essential services.

This session will explore key open-source frameworks and tools designed to enhance biometric evaluation. Highlights include:

- A deep dive into the **Biometric Quality Assessment Toolkit (BQAT)** and **MOSIP's Compliance Toolkit (CTK)**
- **Live demonstrations** of BQAT and CTK to assess their effectiveness in real-world scenarios
- Insights from **The Alan Turing Institute's** work on **synthetic data and bias mitigation** in biometric systems
- **An in-depth discussion** on the comprehensiveness of available toolkits, identifying potential gaps, and charting the way forward

The session will be **highly interactive**, encouraging participants to engage in critical discussions, share experiences, and contribute to shaping the future of biometric evaluation.

Pre-Read Links for Participants:

BQAT (Biometric Quality Assessment Tool) generates and analyzes quality metrics of biometric samples to meet international standards as well as customized metrics. BQAT takes an input directory of biometric data and will produce both the raw quality information as well as an analysis report.

Read more here: https://biometix.com/products/bqat/

Compliance Tool Kit (CTK) is an online portal that can be used by MOSIP partners to test the compliance of their product developed as per specifications (specs) published/adopted by MOSIP.

Read more here: https://docs.mosip.io/compliance-tool-kit

The Alan Turing Institute's **Trustworthy Digital Infrastructure** project helps countries meet the requirements necessary to build secure, private, and reliable digital public infrastructure (DPI). This enables residents to safely access essential public and private services, including healthcare, education, finance, and social protection.

Read more here: https://www.turing.ac.uk/TDI

Additional Resources:

Delve into MOSIP's **documentation** to learn about its use cases, modules, case studies, and major technological advancements.

We encourage participants to review the pre-read material to enhance their understanding and maximize the value of the training. Engaging with these resources in advance will help you better navigate the sessions and gain the most benefit.

Thank you, and we look forward to your participation in the session!