



TDI 2026
4th International Workshop on Trends in Digital Identity

APRIL
20-21

Who We Are



Who We Are

Fondazione Bruno Kessler (FBK)

- Research and Innovation institute in Trento, Italy.
- 12 research centers: from technology to humanities and social sciences.



FBK at a glance

620+
researchers

170
PhD students from 25 different countries

700+
affiliates and accredited students

200+
visiting professors and doctoral candidates

70+
foreign researcher

5000+ sq m
labs for scientific research

Who We Are

Center for Cybersecurity at FBK



Applied Cryptography

Match cutting-edge cryptography with real use scenarios (e.g., digital identity, e-voting, cloud computing).

- Privacy enhancing cryptography
- Cryptographic access control
- Threshold cryptography



Security in Distributed Computing

Develop novel AI-driven methods for cyber threat detection in distributed computing environments.

- AI-driven Threat and Anomaly Detection
- Privacy-preserving training
- Service and Security Orchestration
- Cyber Deception



Software Security

Advance software security across the entire development lifecycle.

- Secure Development Practices
- Regulatory Compliance

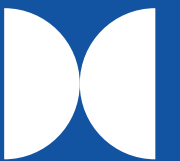


Digital Identity Management

Design and security assessment of enrollment, authentication, and authorization solutions.

- Multi-factor Authentication
- Single Sign-On
- Digital Identity Wallet

International Workshop on Trends in Digital Identity (TDI)



Trends in Digital Identity Challenges

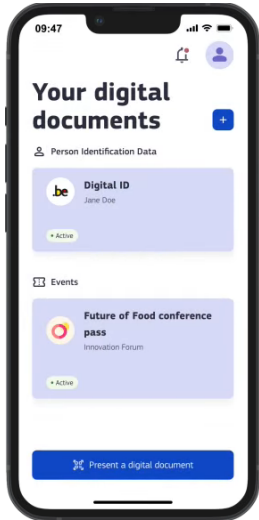


Identity Fraud is evolving

- **Adaptive Synthetic Identities:** Fraudsters are using generative AI to create synthetic identities with detailed "backstories," including fake social media profiles, professional histories, and consistent but entirely fabricated documents.
- **Deepfakes Industrialization:** Deepfake technology has moved from a niche threat to a core component of fraud, with AI-generated selfies and videos used to bypass biometric liveness checks, particularly in high-risk financial services.
- **The Rise of "Know Your Agent" (KYA):** As AI agents become autonomous in commerce, KYA frameworks are becoming essential to verify the AI agents acting on behalf of users and to prevent them from becoming "rogue" agents.

Trends in Digital Identity

Challenges



New technologies:

- **European Identity Wallets:** enable citizens to access online services, store and present digital documents, and create binding signatures.
- **European Business Wallet:** to ease the administrative burden and to enable companies and public sector bodies to exchange data in a secure way across the European Union.

Support advanced cryptographic techniques for DIM solutions (e.g., transition to post-quantum cryptography, privacy-enhancing techniques...)

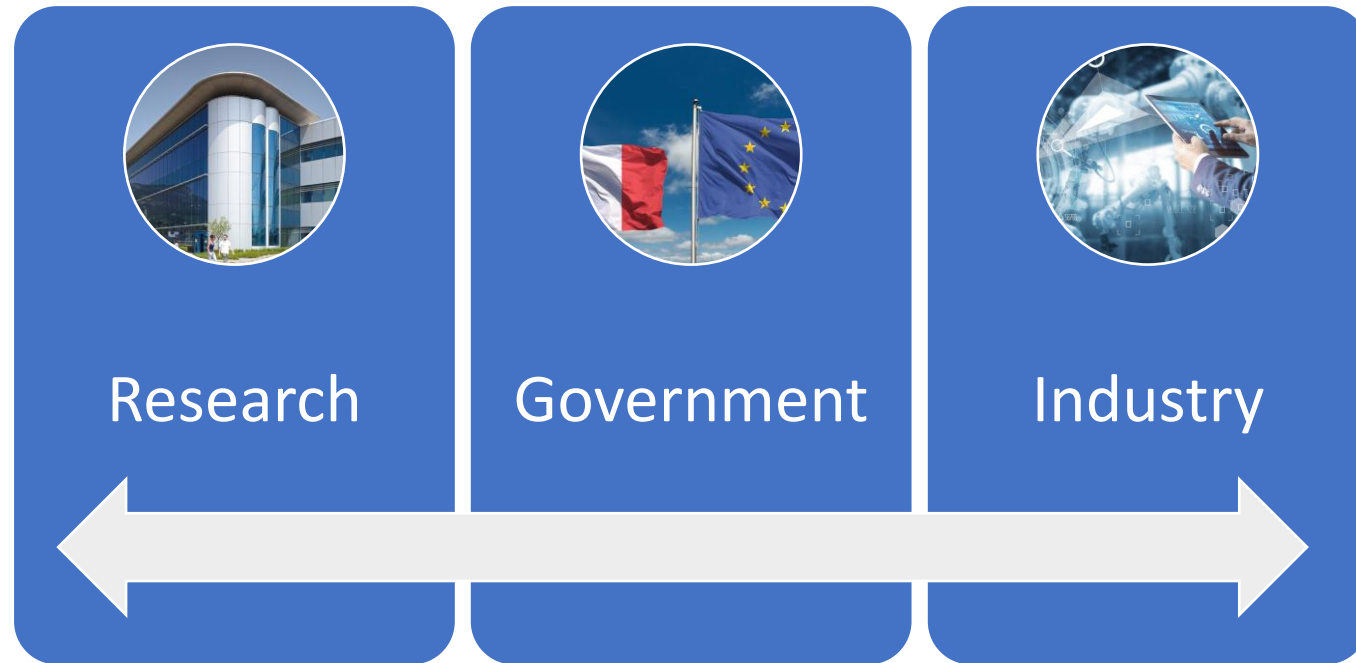


International Workshop on Trends in Digital Identity

Scope



Foster collaboration among researchers and practitioners from various fields to share knowledge, experiences, and best practices obtained from dealing with the identity management field.



International Workshop on Trends in Digital Identity History

1

2023



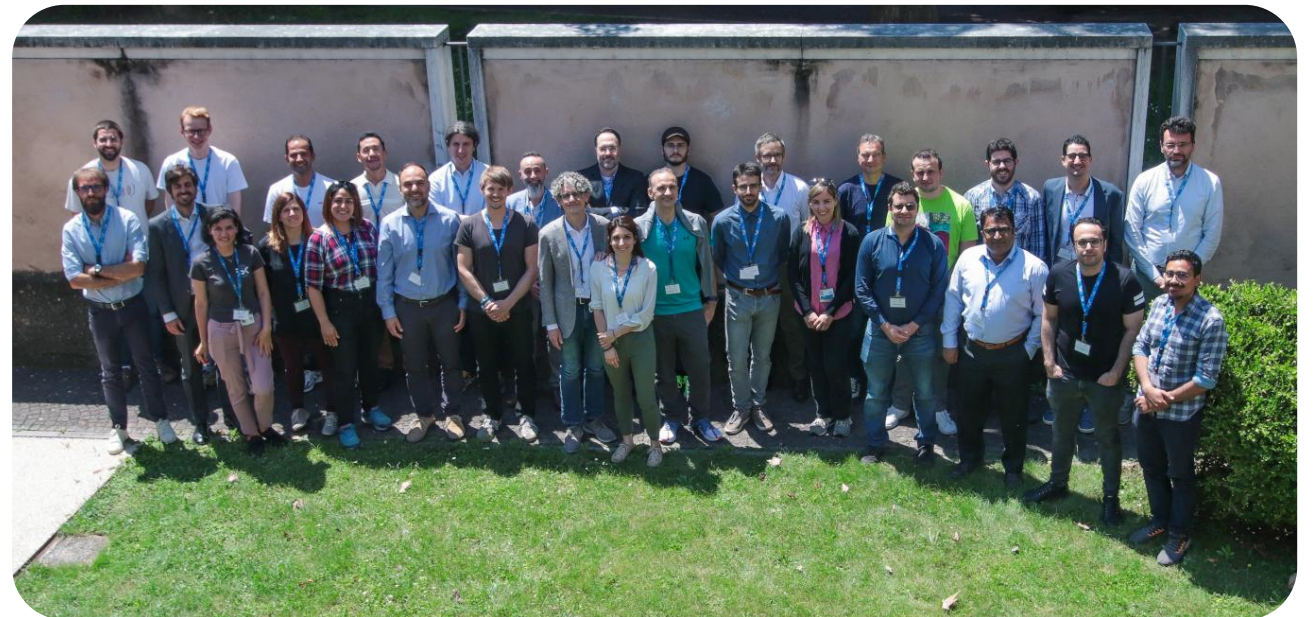
June 6, 2023



Trento, Italy



28th ACM Symposium on Access
Control Models and Technologies
(SACMAT 2023)



International Workshop on Trends in Digital Identity History

2

2024



April 9, 2024



Rome, Italy



9th OAuth Security Workshop
(OSW 2024)



International Workshop on Trends in Digital Identity History

3

2025



February 3, 2025



Bologna, Italy



Joint National Conference
on Cybersecurity (ITASEC &
SERICS 2025)



International Workshop on Trends in Digital Identity History



4

2026



April 20-21, 2026



Verona, Italy



No co-location

A half day more, allowing more time for presentations, discussion and networking.

Independent for the first time!



TDI 2026



TDI 2026 Committees

General Chair:



Silvio Ranise

Fondazione Bruno Kessler e
Università degli Studi di Trento

Program Co-Chairs:



Marco Pernpruner

Fondazione Bruno Kessler



Giada Sciarretta

Fondazione Bruno Kessler

Organizing Committee:



Annalisa Armani

Fondazione Bruno Kessler



Claudio De Cassan

Università Digitale Mercatorum
Sede di Verona



Roberto Carbone

Fondazione Bruno Kessler



Isabella Masè

Fondazione Bruno Kessler



Marco Pernpruner

Fondazione Bruno Kessler



Giada Sciarretta

Fondazione Bruno Kessler

TDI 2026

Call for Papers

Scientific Program Committee:

- **Francesco Buccafurri** (University of Reggio Calabria)
- **Markus Dürmuth** (Leibniz University Hannover)
- **Isaac Henderson Johnson Jeyakumar** (Fraunhofer IAO)
- **Ralf Küsters** (University of Stuttgart)
- **Cecilia Pasquini** (Fondazione Bruno Kessler)
- **Daniela Pöhn** (Universität der Bundeswehr München)
- **Guido Schmitz** (Lancaster University Leipzig)
- **Rachelle Sellung** (Fraunhofer IAO)
- **Diego Sempreboni** (Samsara)
- **Amir Sharif** (Fondazione Bruno Kessler)
- **Nicola Zannone** (Eindhoven University of Technology)



6 submissions



3 accepted



1 transitioned to talk

TDI 2026

Call for Talks

Talk Program Committee:

- [Juan Caballero](#) (Decentralized Identity Foundation)
- [Michael B. Jones](#) (Self-Issued Consulting)
- [Francesco Antonio Marino](#) (IPZS)
- [Andreea Prian](#) (iDAKTO)
- [Davide Vagheti](#) (GARR)



11 submissions



8 accepted



1 withdrawn

TDI 2026 Proceedings



TDI 2024 Trends in Digital Identity 2024

Proceedings of the 2nd International Workshop on Trends in Digital Identity (TDI 2024)
Rome, Italy, April 9, 2024.

Edited by

Giada Sciarretta ¹
Marco Pernpruner ^{1,2}

¹ Center for Cybersecurity, Fondazione Bruno Kessler, Via Sommarive 18, Trento, Italy

² Department of Informatics, Bioengineering, Robotics and Systems Engineering, University of Genoa, Via alla Opera Pia 13, Genoa, Italy

<https://ceur-ws.org/Vol-3863/>

TDI 2025 Trends in Digital Identity 2025

Proceedings of the 3rd International Workshop on Trends in Digital Identity (TDI 2025)
co-located with the Joint National Conference on Cybersecurity (ITASEC & SERICS 2025)
Bologna, Italy, February 3, 2025.

Edited by

Marco Pernpruner ¹
Giada Sciarretta ¹

¹ Center for Cybersecurity, Fondazione Bruno Kessler, Via Sommarive 18, Trento, Italy

<https://ceur-ws.org/Vol-3968/>

Involved Organizations

Organized by



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TDI 2026

Social Pages



@tdisecworkshop

TDI 2026

Questions from Remote Participants

- Remote participants will be able to **ask questions**:
 - by scanning the **QR code**, or
 - by visiting **slido.com** and inserting the code **7796335**.



Logistical Information





**Università
Mercatorum**

**Ateneo Digitale delle
Camere di Commercio**

Universitas Mercatorum Telematic University

At Fondazione Centro Studi Campostrini

Agenda



Agenda

Day 1 – Monday, April 20, 2026

Introductory Remarks Marco Pernpruner, Giada Sciarretta (Fondazione Bruno Kessler – Program Co-Chairs)	14:30-14:45
Session 1: Security and Trust in the EUDI Wallet Ecosystem <i>Session Chair: Gianluca Dotti</i>	
From NIS2 to the EUDI Wallet: Path Dependence in EU Digital Identity Security and Assurance Giorgio Pedrazzi (University of Brescia)	14:45-15:10
Trust at European and National Level: Technologies and Approaches in the Italian EUDI Wallet Architecture with OpenID Federation 1.0 and eIDAS Trusted Lists Giuseppe De Marco (Dipartimento per la Trasformazione Digitale)	15:10-15:35
EUDIW Threats That Have Not Been Identified: Users Collusion Attacks Denis Pinkas (DP Security Consulting SAS)	15:35-16:00
Coffee Break	16:00-16:45
Session 2: Round Table <i>Session Chair: Gianluca Dotti</i>	
The Wallet Revolution: Redefining Digital Interaction Through EUDIW and EUBW Alessandro Bazzolo (InfoCamere), Luigi Castaldo (Namirial S.p.A.), Francesco Vetrano (Intesi Group S.p.A.)	14:30-14:50
First Day Take-Aways	18:15-18:30
Welcome Reception	18:30-21:00

Agenda

Day 2 – Tuesday, April 21, 2026 (Morning)

Second Day Opening Marco Pernpruner, Giada Sciarretta (Fondazione Bruno Kessler – Program Co-Chairs)	9:15-9:30
Session 3: Cryptographic Resilience <i>Session Chair: Alessandro Tomasi</i>	
The Post-Quantum Apocalypse Is Already Upon Us Michael B. Jones (Self-Issued Consulting)	9:30-9:55
Software-Assisted Analysis of Post-Quantum Cryptography Migration for the European Digital Identity Wallet Salvatore Migliaccio, Paolo Campegiani, Giulio Di Clemente (Namirial S.p.A.)	9:55-10:20
MIFARE DESFire in Practice: A Systematization of Attacks and Deployment Weaknesses Tomáš Přeučil, Martin Novotný (Czech Technical University), David Oswald (Durham University)	10:20-10:45
Coffee Break	10:45-11:30
Session 4: Identity Protocol Evolution <i>Session Chair: Andrea Moro</i>	
The Journey to OpenID Federation 1.0 and the Road Ahead Michael B. Jones (Self-Issued Consulting), Giuseppe De Marco (Dipartimento per la Trasformazione Digitale), Roland Hedberg (Independent)	11:30-11:55
Evolution of Remote Attestation: A Systematic Literature Review of Post-2020 Approaches Florian Wegscheider, Tobias Hilbig, Thomas Schreck (Munich University of Applied Sciences)	11:55-12:20
The Identity Mismodeling Crisis: Rectifying B2C and Workforce IAM Misuse in B2B Ecosystems Anuradha Karunaratna (WSO2)	12:20-12:45
Lunch	12:45-14:15

Agenda

Day 2 – Tuesday, April 21, 2026 (Afternoon)

Session 5: Identity in the Age of AI and Privacy <i>Session Chair: Michael B. Jones</i>	
So Many Anonymous Credentials, So Little Adoption: Can We Escape the Linkability Well in Identity Management? Andrea Moro (Fondazione Bruno Kessler)	14:15-14:40
Designing Identity and Access Management for AI Agents Thivaharan Kalyanasundaram (WSO2)	14:40-15:05
Provenance Identity Continuity (PIC): Secure Authority Propagation from Human and Non-Human Origins Across Trust Boundaries Nicola Gallo, Antonio Radesca (Nitro Agility Srl)	15:05-15:30
Coffee Break	15:30-16:15
Session 6: Empowering the Next Generation <i>Session Chair: Amir Sharif</i>	
The IAM Pillar and Beyond: Exploring the Results of the Master of Science in Smart, Secure and Interconnected Systems (MERIT) Umberto Morelli (Fondazione Bruno Kessler)	16:15-16:40
Closing Remarks Silvio Ranise (Fondazione Bruno Kessler and University of Trento – General Chair)	16:40-17:00

International Workshop on Trends in Digital Identity

The Future...

5

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2027



If your organization (or any other) is willing to **sponsor** or **host** TDI 2027, please reach out to cs-tdi@fbk.eu to discuss any possibility.