

TDI 2024

2nd International Workshop on Trends in Digital Identity

April 9, 2024 • Rome, Italy

Fondazione Bruno Kessler (FBK) Research and Innovation



- Settled in **Trento**, Italy
- **Top research institute** in Italy (ANVUR evaluation)
- From **technology** to **humanities and social sciences**

FBK at a glance

450+

researchers

136

PhD students from 25 different
Countries

200+

thesis students, visiting professor,
visitors

700+

students involved in the FBK activities

4.645 sq m

labs for scientific research

230.000

and more titles in a special library



Fondazione Bruno Kessler (FBK)

12 Research Centers



Augmented
Intelligence



Cybersecurity



Digital Society



Digital Industry



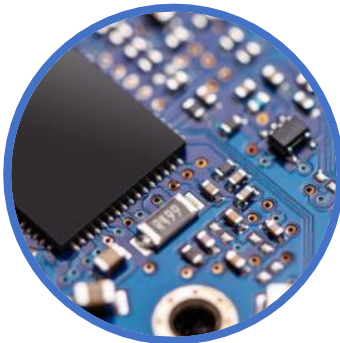
Digital Health
and Wellbeing



Health
Emergencies



Sustainable
Energy



Sensors and
Devices



Theoretical Studies in
Nuclear Physics and
Related Areas



Evaluation of
Public Policies



Religious
Studies



Italian-German
Historical Institute

FBK – Center for Cybersecurity

Research Topics and Collaborations



- It started as a research unit with 3 members in 2010, now 40+ researchers



Digital Identity



Applied Cryptography



Cloud and IoT Security



Threat and Anomaly Detection/Mitigation



Cyber Deception

- Research and innovation projects:



transition from SAML 2.0 to OIDC



European Digital Identity Wallet

Potential
For European Digital Identity



2nd International Workshop on Trends in Digital Identity TDI 2024

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

HISTORY:

1st edition in Trento, co-located with the 28th ACM Symposium on Access Control Models and Technologies (SACMAT 2023).

2nd edition in Rome, co-located with 9th OAuth Security Workshop (OSW 2024).



- Annual event that aims to improve the [security of OAuth, OpenID Connect](#), and related Internet protocols by facilitating a direct exchange among academic researchers, standardization group members, and industry experts.
- Will be held here in the next three days ([April 10-12](#)).

TDI 2024

Committees

Organizing Committee

FBK – Center for Cybersecurity:

- **Roberto Carbone**
- **Marco Pernpruner** (also with University of Genoa)
- **Silvio Ranise** (also with University of Trento)
- **Giada Sciarretta**
- **Amir Sharif**

FBK – Event Office:

- **Annalisa Armani**
- **Isabella Masè**

Program Chairs

- **Giada Sciarretta** (FBK)
- **Marco Pernpruner** (FBK and University of Genoa)

Program Committee

- **Francesco Buccafurri** (University of Reggio Calabria)
- **Daniel Fett** (Authlete, Inc.)
- **Ralf Küsters** (University of Stuttgart)
- **Cecilia Pasquini** (FBK)
- **Amir Sharif** (FBK)
- **Luca Viganò** (King's College London)
- **Nicola Zannone** (Eindhoven University of Technology)

Sponsors

Shared with OSW 2024



AUTHLETE

Main

aws



Gold



Duende.
SOFTWARE

Gold



OpenID

Silver

UDELT 

Bronze



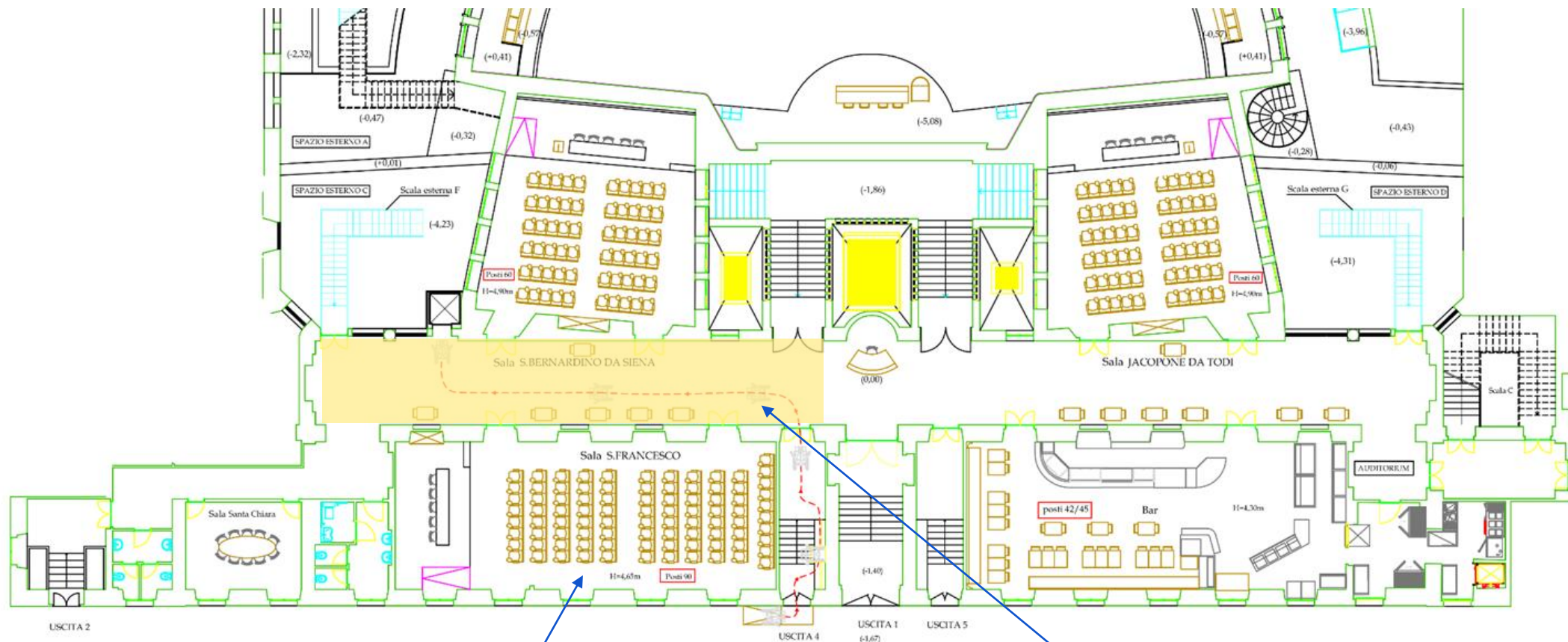
The Venue





Auditorium Antonianum

Auditorium Antonianum Spaces



Room San Francesco
Main Room

Catering Area
Coffee breaks and lunches

Auditorium Antonianum

Catering

- You can enjoy the breaks both in the catering area and in the workshop room (even with food).
- Important remark: if you have any food restriction, please refer to the dedicated waiter who will bring specific food from the kitchen.

Auditorium Antonianum

Connectivity

- WiFi SSID: Auditorium Antonianum
- WiFi Password: TDI-OSW2024!



Agenda



| Agenda

Introductory Remarks Giada Sciarretta (Fondazione Bruno Kessler), Marco Pernpruner (Fondazione Bruno Kessler and University of Genoa)	8:45-9:00
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Session 1: Government and Public Administration

Session Chair: Silvio Ranise

Demystifying the European Digital Identity Wallet: A Clear Insight Paolo De Rosa (European Commission)	9:00-9:20
Bridging Legal Requirements and Technical Solutions for the EUDI Wallet Giuseppe De Marco (Dipartimento per la Trasformazione Digitale, DTD), Francesco Antonio Marino (Poligrafico e Zecca dello Stato, IPZS)	9:20-9:40
User Binding and Wallet Attestations in the context of eIDAS 2 Paul Bastian (Bundesdruckerei GmbH)	9:40-10:00
Coffee Break	10:00-10:50

Session 2: Industry

Session Chair: Giada Sciarretta/Rob

Healthy relationships: finding the right balance between trust and control when sharing confidential information through APIs on a national level Steinar Noem (Udelt AS)	10:50-11:10
GAIN Activity Report: Exploring Technical Feasibility for Inter-Ecosystem Interoperability Takahiko Kawasaki (Authlete, Inc.)	11:10-11:30
Qualified Trust Service Providers as main Pillars of the EU Digital Economy Andras Barsi (Aruba PEC S.p.A.)	11:30-11:50
Wallet-like Proof Of Possession on SAML 2.0 - 🌈 Francesco Grauso, Pietro Stroia (PagoPA)	11:50-12:10
Lunch	12:10-13:30

| Agenda

Session 3: Research and Innovation

Session Chair: Marco Pernpruner

Trust and Assurance in R&E Identity Federations Davide Vagheti (GARR)	13:30-13:50
A-WAYF: Automated Where Are You From in Multilateral Federations Erwin Kupris, Tobias Hilbig, David Pierre Sugar, Thomas Schreck (Munich University of Applied Sciences)	13:50-14:10
Improve Wallet Interoperability and Federation in Blockchain-Based User-Centric Authentication for Healthcare Biagio Boi, Franco Cirillo, Marco De Santis, Christian Esposito (University of Salerno)	14:10-14:30
Aggregating Digital Identities through Bridging: An Integration of Open Authentication Protocols for Web3 Identifiers Ben Biedermann (University of Malta and acurraent UG), Joshua Ellul (University of Malta), Matthew Scerri (WIDE Consortium), Victoria Kozlova (acurraent UG)	14:30-14:45
Revocable Anonymous Credentials from Attribute-Based Encryption Giovanni Bartolomeo (CNIT)	14:45-15:00
Coffee Break	15:00-15:40

Session 4: Specifications and Standards

Session Chair: Amir Sharif

Securing the Foundations of Verifiable Credential Ecosystems Daniel Fett (Authlete, Inc.)	15:40-16:00
Crossing the Chasm: Trusted and Seamless Digital Identity Wallets Going Mainstream Kristina Yasuda (SPRIND - Bundesagentur für Sprunginnovationen)	16:00-16:20
The role of standards in Open Source Software Development Torsten Lodderstedt (OpenWallet Foundation)	16:20-16:40
TLS 2.0 Adopting the OpenID Federation 1.0 Trust Chain: a New Paradigm for Internet Security Vladimir Dzhuvinov (Connect2id)	16:40-17:00

| Agenda

Session 5: Round Table
Session Chair: Silvio Ranise

eIDAS2: now that is final, how do we deal with it? Paolo Campegiani (Namirial SpA), Paolo De Rosa (European Commission), Daniel Fett (Authlete, Inc.)	17:00-17:50
Closing Remarks	17:50-18:00
Welcome Reception (TDI + OSW)	18:00-22:00

| Welcome Reception

- Tonight from 6pm to 10pm.
- At [Palazzo Merulana](#), just a few steps away from here.
- Joint with OSW.
- Organization:
 - [Ground Floor](#): food & drink.
 - [1st – 4th floor](#): internal exhibitions (can be visited for free).
 - [5th floor](#): terrace with chairs and sofas to chat and enjoy.



| Social Pages

