

Organizing Committees

General Co-Chairs:

- Riccardo Focardi (Ca' Foscari University of Venice)
- Silvio Ranise (Fondazione Bruno Kessler and University of Trento)





Program Co-Chairs:

- Flaminia Luccio (Ca' Foscari University of Venice)
- Giada Sciarretta (Fondazione Bruno Kessler)



Publication Co-Chairs:

- Matteo Busi (Ca' Foscari University of Venice)
- Marco Pernpruner (Fondazione Bruno Kessler)





Ca' Foscari University of Venice (UniVE)

- Public University in Venice, Italy
- 8 departments, 3 schools



UniVE at a glance

27.000+

alumni

23.000+

students

1.500+

intl. students/yr

7.000+

new students/yr

5.000+

graduates/yr

1.400+

faculty, researchers, and staff

100+

visiting professors

Department of Environmental Sciences, Informatics and Statistics: Cryptography Lab

Cybersecurity Lab

- Applied Cryptography
- Network and Web Security
- Software Security
- Embedded System Security
- Usable Security
- Authentication methods/Biometrics

Research group

- Matteo Busi
- Stefano Calzavara
- Paolo Falcarin
- Riccardo Focardi
- Flaminia Luccio

Collaborations

- Cispa Helmoltz center for Information Security, Germany
- Masaryk University, Brno, CZ
- TU Wien, Austria
- ...

Cybersecurity Lab

Projects



SPOKE 6: Software and Platform Security

-SCAI Project



PRIN PNRR Project: AMADEUS Automatic Modelling and verificAtion of Dedicated sEcUrity deviceS

EU HORIZON-CL3-2024-CS-01 Increased Cybersecurity Project Cybersecurity Certification and Assessment Tools (CCAT)

Spin offs

- Cryoptosense:

 produces software for
 security analysis of
 cryptographic systems
- 10Sec: security for automotive, embedded, and IoT systems

Publications

- S Calzavara, S Casarin, R Focardi. Dynamic Security Analysis of JavaScript: Are We There Yet? Proceedings of the ACM on Web Conference 2025, 1105-1115
- Riccardo Focardi and Flaminia Luccio. A formally verified configuration for Hardware Security Modules in the cloud. In Giovanni Vigna, Elaine Shi, Proceedings of the ACM Conference on Computer and Communications Security (ACM CCS), pp. 412-428, 2021
- Stefano Calzavara, Riccardo Focardi, Matús Nemec, Alvise Rabitti, Marco Squarcina: Postcards from the Post- HTTP World: Amplification of HTTPS Vulnerabilities in the Web Ecosystem. IEEE Symposium on Security and Privacy (IEEE S&P 2019), pp. 281-298, 2019
- Claudio Bozzato, Riccardo Focardi, Francesco Palmarini. Shaping the Glitch: Optimizing Voltage Fault Injection Attacks. In Transactions on Cryptographic Hardware and Embedded Systems (TCHES), vol. 2019, pp. 199-224,2019
- Riccardo Focardi, Francesco Palmarini, Marco Squarcina, Graham Steel, Mauro Tempesta: Mind Your Keys? A Security Evaluation of Java Keystores.
 Proceedings of the Network and Distributed System Security Symposium (NDSS 2018), 2018
- Stefano Calzavara, Riccardo Focardi, Matteo Maffei, Clara Schneidewind, Marco Squarcina, Mauro Tempesta WPSE: Fortifying Web Protocols via Browser-Side Security Monitoring, Proceedings of the 27th USENIX Security Symposium, pp. 1493-1510, 2018

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

Cybersecurity Center - 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 environment

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

- Al-driven Threat and Anomaly Detection
- Privacy-preserving training
- Service and Security OrchestratioN
- Cyber Deception



Software Security

Networking and application security

- Secure continuous integration
- Regular compliance
- Al for code security



Digital Identity Management

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

- Multi factor authentication
- Single Sign-On
- Digital identity wallet

Who We Are Cybersecurity Center - FBK



Spoke 4 (Operating Systems and Virtualization Security) - project Securing Containers (SecCo)

Spoke 5 (Cryptography and Distributed Systems Security) - project Secure and TRaceable Identities in Distributed Environments (STRIDE)















IT Wallet technical specification



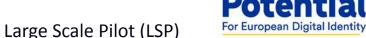




Credential Issuer



LSP APTITUDE
LSP WE BUILD







Digitale SpA





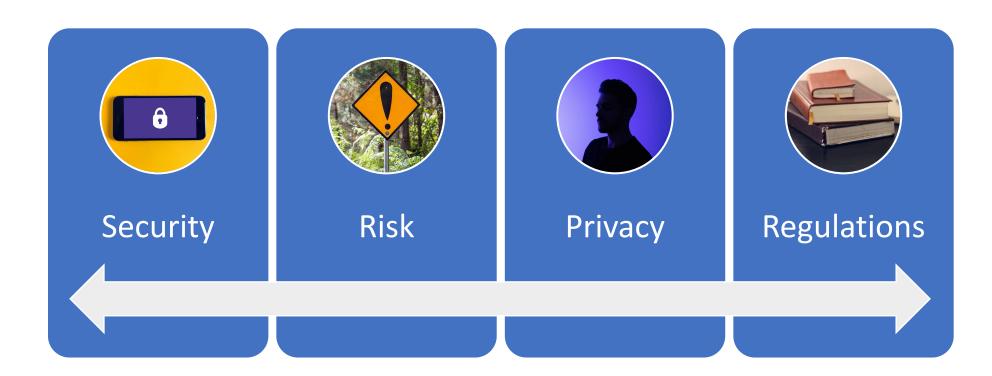
- Z. E. Ansaroudi, A. Sharif, G. Sciarretta, F. A. Marino, S. Ranise. Secure and Reliable Digital Wallets: A Threat Model for Secure Storage in eIDAS 2.0. In: DBSec 2025.
 - R. Germenia, S. Manfredi, G. Sciarretta, M. Scuro, and A. Tomasi. Comparison of Credential Status Mechanisms for the Digital Wallet Ecosystem. In: SECRYPT 2025.



Scope



Exploring security and risk assessment in identity management systems, by investigating how to evaluate the security posture of identity solutions, assess risks, identify suitable security controls together with privacy enhancing techniques, and ensure compliance with regulations.



Program Committee

- Roberto Carbone (Fondazione Bruno Kessler)
- Letterio Galletta (IMT School for Advanced Studies Lucca)
- Marino Miculan (University of Udine)
- Simone Onofri (W3C)
- Federica Maria Francesca Paci (University of Verona)
- Marco Patrignani (University of Trento)
- Pieter Philippaerts (KU Leuven)
- Avinash Sudhodanan (Independent Researcher)
- Luca Viganò (King's College London)





Agenda

Introductory Remarks Riccardo Focardi, Silvio Ranise (General Co-Chairs), Flaminia Luccio, Giada Sciarretta (Program Co-Chairs)	9:00-9:15
Session 1: Keynote Session Chair: Riccardo Focardi	
Modeling the Web to Secure the Web: Formal Analysis of Single Sign-On Authentication and Authorization Protocol Standards Ralf Küsters (University of Stuttgart)	9:15-10:15
Session 2: Regular Papers Session Chair: Matteo Busi	
Decentralised Supply Chain Reputation: A Privacy and Self-Sovereign Identity Perspective Abubakar-Sadiq Shehu and Steve Schneider (University of Surrey)	10:15-10:35
Identity Threats and Where to Find Them: Mapping ITDR and MITRE ATT&CK Vitali Serzantov, Erwin Kupris and Thomas Schreck (Munich University of Applied Sciences)	10:35-10:55
Coffee Break	11:00-11:30
Replication Study: Cross-Country Evaluation of the Recognition-Based Graphical Authentication Scheme in AR and VR Environments Naheem Noah (University of Denver), Peter Mayer (University of Southern Denmark) and Sanchari Das (George Mason University)	11:30-11:50
Session 3: Short Papers Session Chair: Roberto Carbone	
Security Requirements Classification by Means of Explainable Transformer Models Luca Petrillo (IMT Lucca and IIT-CNR), Fabio Martinelli (ICAR-CNR), Antonella Santone (University of Molise) and Francesco Mercaldo (University of Molise and IIT-CNR)	11:50-12:05
Towards Privacy-Preserving Revocation of Verifiable Credentials with Time-Flexibility Francesco Buccafurri and Carmen Licciardi (University Mediterranea of Reggio Calabria)	12:05-12:20
Closing Remarks	12:20-12:30
Lunch	13:00-14:00