



BANCAD'ITALIA  
EUROSISTEMA

# FINANCIAL CRYPTOGRAPHY IN ROME

**1st October 2025 - Rome**  
Call for papers

Building on [our first event](#), Financial Cryptography in Rome (FCiR25) covers all aspects of securing transactions and digital value, with a specific focus on commercial and currency contexts. While we host cryptographic talks on both fundamental research and real-world applications, we also encourage interdisciplinary works not strictly related to cryptography. An unrestricted list of topics is the following one:

## Security & Privacy

- Access control and authorization systems
- Anonymity technologies and privacy protection
- Security and privacy in economics
- Fraud detection and social engineering
- Security of mobile and online payments
- Forensics, transaction analysis, and monitoring
- Security of peer-to-peer systems and decentralized networks

## Financial Systems & Economics

- Economic models and monetary aspects of cryptocurrencies
- Incentive mechanisms and game theory for blockchain
- Digital cash systems and electronic payment platforms
- Security in banking, financial services, and e-commerce

## Cryptography & Authentication

- Applied cryptography and secure communication protocols
- Authentication methods, identity management, and biometrics
- Zero-knowledge proofs
- Functional encryption
- Homomorphic encryption
- Smartcards, tokens, and hardware-based security

## Security in the Cloud

- Cloud computing, data outsourcing, and security challenges
- Security in Trusted Execution Environments (TEEs)
- Network security distributed system vulnerabilities

## Blockchain & Distributed Systems

- Decentralized finance (DeFi)
- Distributed consensus mechanisms
- Security and protocols for blockchain-based system and smart contracts
- Decentralized digital currencies and payment systems

## Compliance, Auditing & Certification

- Certification systems and audit trails for secure systems
- Regulatory issues of blockchain, cryptocurrencies, and digital payments
- Forensics and transaction graph analysis for fraud prevention

## IMPORTANT DATES

Paper Submission: 28th April 2025

Acceptance Notification: 1st July 2025

Full details of submission procedures are available at:

<https://www.decifris.it/fcir25>

## INVITED SPEAKER

Nigel Smart (KU Leuven)



## ORGANIZING COMMITTEE

Massimiliano Sala (De Cifris)

Michela Iezzi (Banca d'Italia)

**INFO:** [fcir25@decifris.it](mailto:fcir25@decifris.it)