

Rahmi El Mechri

rielme.ch

EDUCATION

- **Ph.D. in Cybersecurity** Dec. 2025 – Present
IMT Alti Studi Lucca
- **Master degree in Computer and Automation Engineering** Oct. 2022 – Dec. 2024
Università Politecnica delle Marche
- **Bachelor Degree in Computer and Automation Engineering** Oct. 2019 – Oct. 2022
Università Politecnica delle Marche

WORK EXPERIENCE

- **Research Fellow** Feb. 2025 – Dec. 2025
Università Politecnica delle Marche, Dipartimento di Ingegneria dell'Informazione
 - Design and implementation of secure code-based cryptographic primitives.
- **Independent contractor** Jan. 2025 – Feb. 2025
Università Politecnica delle Marche, Dipartimento di Ingegneria dell'Informazione
 - Analysis and evaluation of software implementations of secure Multi-Party Computation techniques.
- **Independent contractor** May 2024 – June 2024
Università Politecnica delle Marche, Dipartimento di Ingegneria dell'Informazione
 - Analysis and evaluation of software implementations of Homomorphic Encryption techniques.

PUBLICATIONS

- **On the representation of self-orthogonal codes and applications to cryptography (Preprint)**
Authors: *Marco Baldi, Rahmi El Mechri, Paolo Santini, Riccardo Schiavoni*
Link: <https://eprint.iacr.org/2025/2279>
- **SPECK: Signature from Permutation Equivalence of Codes and Kernels (Preprint)**
Authors: *Marco Baldi, Michele Battagliola, Rahmi El Mechri, Paolo Santini, Riccardo Schiavoni, Davide De Zuane*
Link: <https://eprint.iacr.org/2025/923>

TALKS

- **Workshop on the mathematics of post-quantum cryptography, Zurigo** 03 June 2025
SPECK: Signature from Permutation Equivalence of Codes and Kernels

TEACHING

- **CyberChallenge.IT 2025** Feb. 2025 – June 2025
<https://cyberchallenge.it/>
 - Taught basics of cryptography and software security as the coach of the UNIVPM team.

COMPETITIONS

- **Huawei ICT Competition 2024-2025 (Computing track)** Mar. 2025 – May 2025
<https://www.huawei.com/>
 - International team competition organized by Huawei on network server configuration. Achieved 2nd place at the global finals in Shenzhen, China.
- **Huawei ICT Competition 2023-2024 (Network track)** Mar. 2024 – May 2024
<https://www.huawei.com/>
 - International team competition organized by Huawei on network device configuration. Achieved 2nd place at the global finals in Shenzhen, China.
- **CyberChallenge.IT 2020** Mar. 2020 – Oct. 2020
<https://cyberchallenge.it/>
 - National cybersecurity course and competition. Finalist as part of UNIVPM's team.