Roberta Cimorelli Belfiore

Date of birth: 04/06/1997 | **Nationality:** Italian | **Email address:**

r.cimorellibelfio@studenti.unimol.it | **Website:** https://robertacimorelli.github.io

EDUCATION AND TRAINING

01/11/2023 – CURRENT Pesche, Italy
PHD IN COMPUTER SCIENCE University of Molise

Website https://www3.unimol.it/didattica/scuola-di-dottorato | **Level in EQF** EQF level 8

24/07/2024 – 27/07/2024 Newcastle upon Tyne, United Kingdom
SHORT-TERM VISIT TO THE SCHOOL OF COMPUTING Newcastle University, Newcastle, United Kingdom

- Engaged in discussions with faculty and students about current research projects.
- Gained insights into the latest technologies and methodologies used in research and teaching.

2021 – 2023 Pesche, Italy
MASTER'S DEGREE IN SOFTWARE SYSTEMS SECURITY University of Molise

Website https://www3.unimol.it | **Final grade** Cum Laude | **Level in EQF** EQF level 7 |

Thesis Identity-Based Matchmaking Encryption: A Generic Construction and Instantiations from Standard Lattice Assumptions

2019 – 2021 Pesche, Italy
BACHELOR'S DEGREE IN COMPUTER SCIENCE University of Molise

Level in EQF EQF level 6

WORK EXPERIENCE

12/2023 – 07/2024 San Jose, United States
WEB CHAIR 38TH ANNUAL IFIP WG 11.3 CONFERENCE ON DATA AND APPLICATIONS SECURITY AND PRIVACY (DBSEC'24)

Responsible for managing and updating the conference website, coordinating publicity activities, supervising the publication of content, and managing online communication.

03/2024 – 07/2024 San Jose, United States
SUB REVIEWER 38TH ANNUAL IFIP WG 11.3 CONFERENCE ON DATA AND APPLICATIONS SECURITY AND PRIVACY (DBSEC'24)

Reviewed academic papers and scientific contributions submitted for the conference.

08/02/2023 – 23/05/2023 Isernia, Italy
STUDENTS ASSISTANT UNIVERSITY OF MOLISE

- Conducted ongoing tutoring activities aimed at guiding and assisting students.
- Provided tutoring for working students who could not regularly attend classes.
- Offered tutoring for students with learning disabilities (D.S.A.).
- Supported students enrolled in bachelor's and master's degree programs with administrative tasks.
- Provided academic support to students.

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	C1	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Office Automation

Microsoft Office | Microsoft Word | Zoom | Microsoft Powerpoint

Programming

Java | C C++ C Language | HTML, CSS and XML | Begginer JavaScript for WebDevelopment | HTML (Hypertext Markup Language) | Python Language

Integrated Development Environments (IDE)

IDE (Netbeans, Eclipse, Visual Studio, Visual Studio Code) | Android Programming - Android Studio

Data Management

Databases: MySQL, MariaDB, PostgreSQL, MongoDB

Cryptography

Cryptography and Security | Cryptography AES, DES, RSA | Symmetric and asymmetric cryptography algorithms and fundamentals | Advance knowledge of cryptography

PUBLICATIONS

2024
Hierarchical Key Assignment Schemes with Key Rotation

In Proceedings of the 29th ACM Symposium on Access Control Models and Technologies (SACMAT 2024). Association for Computing Machinery, New York, NY, USA, 171–182.

Roberta Cimorelli Belfiore, Alfredo De Santis, Anna Lisa Ferrara and Barbara Masucci

2024
Identity-Based Matchmaking Encryption from Standard Lattice Assumptions

In: Pöpper, C., Batina, L. (eds) *Applied Cryptography and Network Security. ACNS 2024. Lecture Notes in Computer Science*, vol 14584. Springer, Cham.

Roberta Cimorelli Belfiore, Andrea De Cosmo, and Anna Lisa Ferrara

2023
Security Analysis of Access Control Policies for Smart Homes

In Proceedings of the 28th ACM Symposium on Access Control Models and Technologies (SACMAT '23). Association for Computing Machinery, New York, NY, USA, 99–106.

Roberta Cimorelli Belfiore and Anna Lisa Ferrara

CONFERENCES AND SEMINARS

07/06/2023 – 09/06/2023 Trento, Italy
28th ACM Symposium on Access Control Models and Technologies (SACMAT '23)

05/03/2024 – 08/03/2024 Abu Dhabi, UAE
22nd International Conference on Applied Cryptography and Network Security (ACNS '24)

● AWARDS

05/09/2024
CLUSIT THESIS AWARD

Honored with the CLUSIT Thesis Award at the 19th edition of the

Link https://tesi.clusit.it/vincitori.php