



UNIVERSITÀ  
DI TRENTO

Dipartimento di  
Matematica

# De Cifris Trends in Modern Cryptography

Organizer:  
Massimiliano Sala

## Lecturers:

Marco Baldi, Stefano Barbero, Andrea Basso, Marco Calderini,  
Laura Capuano, Michela Ceria, Roberto Civino, Mario Di Raimondo,  
Annamaria Iezzi, Roberto La Scala, Massimo Lauria, Riccardo Longo,  
Carla Mascia, Nadir Murru, Marco Pedicini, Giordano Santilli,  
Lea Terracini, Marco Timpanella, Irene Villa, Andrea Visconti.

## Universities:

UNIVPM Ancona, UNIVAQ L'Aquila, POLIBA e UNIBA Bari,  
UNICAMPANIA Caserta, UNICT Catania, UNIGE Genova,  
UNIME Messina, POLIMI e UNIMI Milano, UNINA Napoli, UNIPG Perugia,  
UNIROMA, UNIROMA2, UNIROMATRE Roma, UNISA Salerno,  
POLITO e UNITO Torino, UNITN Trento, UNIVR Verona.

Lingua / Language:  
English

Piattaforma / Platform for the online course:  
Zoom

Lezioni erogate / Lectures:  
20 lezioni da 25 minuti l'una / 20 lectures, each lasting 25 minutes

Periodo / Period:  
dal 2 al 27 Maggio 2022 / May 2022



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**Expected audience:**

This course can be attended by anyone familiar with standard cryptography and its mathematical background, including: PHD students, MSC graduates, professionals working for companies or the public sector. It is especially fruitful for MSC students (studenti di laurea magistrale) with interest in cryptography.

**Abstract:**

This course provides an introduction to some recent trends in cryptography, such as post-quantum cryptography and cloud cryptography. The relevant mathematical background is also provided, such as the theory of lattices.

**Course fees:**

The course can be attended by anyone who registers for it and pays the fee, up to a maximum of 300 (three hundreds) registered participants.

*The standard fee is 200 euros.*

However:

- Enrolled students, including PHD students, of any of the following universities do not pay any fee for attending the course (*similarly for their personnel, post-docs etc*): Politecnico of Bari, University of Bari, University of Campania "Luigi Vanvitelli", University of Catania, University of Genova, University of L'Aquila, University Politecnica delle Marche, University of Messina, University of Milano, Politecnico of Milano, University of Napoli, University of Perugia, University of Roma "Tor Vergata", University of Roma Tre, Sapienza University of Roma, University of Salerno, University of Torino, Politecnico of Torino, University of Trento and University of Verona.
- Students of any other universities (including PHD and foreign students) pay 50 euros.
- Employees of companies within the De Cifris Advisory Board enjoy a reduced fee of 100 euros per attendant.

**Informazioni / Information:**

Per ogni informazione relativa alla registrazione e ai pagamenti contattare la dott.ssa Chiara Brollo ([chiara.brollo@unitn.it](mailto:chiara.brollo@unitn.it)).

Per informazioni sulla parte scientifica, contattare il dott. Marco Calderini ([marco.calderini@unitn.it](mailto:marco.calderini@unitn.it)).

For information on the registration and payments, the contact person is Dr. Chiara Brollo ([chiara.brollo@unitn.it](mailto:chiara.brollo@unitn.it)).

For information on the scientific part, the contact person is Dr. Marco Calderini ([marco.calderini@unitn.it](mailto:marco.calderini@unitn.it)).

**Modalità di pagamento / Payment method:**

Informazioni relative al pagamento della relativa quota verranno fornite al momento della registrazione.

Information about the fee payment will be given at the moment of the registration.