

DIPARTIMENTO DI MATEMATICA "TULLIO LEVI-CIVITA"

via Trieste 63

35121 Padova

tel +39 049 8271200

fax +39 049 8271499

dipartimento.math@pec.unipd.it

CF 80006480281

P.IVA 00742430283

CALL FOR APPLICANTS NR 7/2023 TO ASSIGN MOBILITY GRANT FOR PARTICIPATION IN THE PROGRAM

**“Secure communication in the digital age: exploring the synergy between cryptography,
algebra, and industrial mathematics”**

The University of Padova - Department of Mathematics “Tullio Levi-Civita” assigns **5 (five)** mobilities to take part in the Blended Intensive Programme (BIP), of which the University is a partner. The mobilities are funded within the new action line called "Blended Intensive Programmes" provided by the new Erasmus+ 2021-27 program and will take place at Adam Mickiewicz University, Poznań (Poland).

The program will start with the in-person school at Adam Mickiewicz University in Poznań, Poland from 25.09.2023 to 29.09.2023.

Art. 1 General Information

The autumn school is designed as an introduction to modern cryptography, starting from theoretical aspects and reaching practical applications, including the most recent developments concerning quantum computers. The activities will be divided into two parts, according to the BIP protocol: an in-person session from September 25th to 29th and an online session from October 25th to 27th, 2023

The in-person part includes attending 6 mini-courses, each lasting 4 hours: Introduction to Cryptography (Dino Festi), Introduction to Quantum Cryptography (Sarah Arpin), Quantum Cryptography (Matija Kazalicki), Practical Cybersecurity (Tomasz Kowalsky), Applied Algebra (Mateusz Michałek), and Cryptanalysis (Bartosz Naskręcki). In addition, there will be individual one-hour talks on more technical topics and/or specific applications, totaling 20 hours of frontal lectures over 5 days. 4 hours of exercise sessions and tutoring for students are also planned.

In the last days of the in-person session, students will be assigned projects to be carried out under the supervision of one of the school's teachers, either individually or in groups. The project results will be presented during the online session.

For more information, please visit the school's website at the following link:

<https://bipcrypt.wmi.amu.edu.pl/>

Article 1.1 Who can benefit from Erasmus+ funding

This Call is open to students who are regularly enrolled at the University of Padua in the Bachelor's degree programs in Matematica and Informatica, as well as in the Master's degree programs in Computer Science, Cybersecurity, Data Science and Mathematics.

Art. 1.2 Host Organization

The host organization where the students' activities will take place is Adam Mickiewicz University, Poznań (Poland).

Art. 1.3 Duration and period of the stay abroad

The program involves a mobility period of **7 days**, the program will be carried out from September 25th to 29th, 2023.

In the event that, due to covid19 emergency reasons, it is not possible to attend the program at Adam Mickiewicz University, all activities will be conducted exclusively online, and the winners will not benefit from the mobility grant.

Art. 1.4 Grants and Financial Benefits

Only the in-person mobility will be funded through the Erasmus+ program for the actual days spent abroad, up to a maximum of **490** Euros. The funding will be provided after the mobility is completed, based on documentation provided by the host university confirming participation. Only participants who have fulfilled all obligations under the program will be entitled to receive the grant. The use of Erasmus financial support is incompatible with other EU funds derived from programs/actions financed by the European Union.

If conditions are created to guarantee additional funded mobilities, the ranking will be used.

Art. 2 Admission Requirements and Application Submission

Art. 2.1 Admission Requirements for the Call

To participate in the selection, the candidate must meet the following requirements at the time of application submission:

a) Be regularly enrolled at the University of Padua in one of the following courses:

- Bachelor's degree in Matematica,
- Bachelor's degree in Informatica,
- Master's degree in Computer Science,
- Master's degree in Cybersecurity,
- Master's degree in Data Science,
- Master's degree in Mathematics.

- b) Be in good standing with the payment of university fees.
- c) Students enrolled in individual study programs are NOT ADMITTED.
- d) Have a good knowledge (minimum level B2) of the English language.
- e) Not receive any other scholarships or funding provided by the European Union during the same period.

Students who are already on mobility (incoming or outgoing) during the same period of the BIP are NOT ADMITTED.

Art. 2.2 Application Submission

To apply for the program, students must submit:

- Curriculum Vitae (in English)
- List of completed exams, both in the Bachelor's and Master's degree programs, with respective grades¹.
- English language certificate or self-certification B2 level or higher.
- Motivational letter (in English).

Students interested in the exchange program must submit their application online using the following link: <https://forms.gle/oXt76RpviTdyHd6B8> accessible exclusively with their UniPD institutional email.

All application forms must be submitted by **12:00pm (CEST) on July 25, 2023**.

Applications submitted through other means will not be accepted, and incomplete applications will be automatically excluded.

Art. 2.3 Selection Criteria

Applications will be evaluated by a dedicated Department Commission.

The selection will be based on the following criteria:

Evaluation of the curriculum vitae.

Evaluation of the academic career.

Evaluation of language skills.

Evaluation of motivations: assessment of the candidate's interests and aptitudes based on the motivational letter; coherence with the student's profile and adequacy of the activities for obtaining educational credits.

¹ The self-certifications are available for printing in Uniweb, section **Home > Certificates**, by following the instructions in the Self-certifications tutorial (in Italian). For more information: <https://www.unipd.it/en/self-certifications>

Art. 2.4 Ranking

The ranking and instructions for accepting the mobility will be published on the webpage: <https://www.math.unipd.it/dipartimento/amministrazione-trasparente/sovvenzioni-contributi-sussidi-vantaggi-economici/borse-outgoing/>

The winners must confirm their acceptance of the assigned mobility, following the procedures communicated in the ranking. In case of non-acceptance, the student will be considered as renouncing the opportunity.

Art. 3 Grant Assignment

The personal, fiscal, and banking information used for payment will be the data entered by the student in their reserved area on Uniweb. Therefore, the student is invited to verify that they have entered and updated this information.

The Erasmus mobility grant will be paid exclusively by bank transfer to the student's bank account (held solely or jointly by the beneficiary).

Art. 4 Insurance

For health insurance coverage during the stay abroad in European Union countries, Iceland, Liechtenstein, and Norway, it is generally sufficient to have the European Health Insurance Card (EHIC) issued by the Ministry of Health. Attention: non-EU students enrolled and covered by the National Health Service cannot use the EHIC as it is not provided for by current community legislation (EC Regulation 859/2003). They are therefore invited to contact their Local Health Authority (ASL) in any case.

The fees paid by students include accident insurance coverage and civil liability insurance, which is also valid for those traveling abroad. For more information on insurance coverage abroad, please consult the university's website at the following link: <https://www.unipd.it/assicurazione>. The aforementioned insurances only cover accidents that occur during educational activities and/or internships.

Article 5 - Final Provisions

In accordance with Article 4 of Law No. 241 of August 7, 1990 (Nuove norme in materia di procedimento amministrativo e di diritto di accesso ai documenti amministrativi) and subsequent amendments, Cinzia Clemente is appointed as the Responsible Officer for the Administrative Procedure.

Candidates have the right to access the documents related to the selection process in accordance with the provisions of Presidential Decree No. 184 of April 12, 2006 (Regolamento recante disciplina in materia di accesso ai documenti amministrativi in conformità al capo V della Legge 241/90), according to the procedures established therein.

Art. 6 Processing of Personal Data

The processing of personal data collected for the purposes identified in this notice is carried out in compliance with the provisions of EU Regulation April 27, 2016, No. 679 (General Data Protection Regulation, GDPR). The "Data Controller" is the University of Padua, located at Via 8 Febbraio, 2 - 35122 Padua.

The complete privacy policy is available from the Data Controller or on the webpage www.unipd.it/privacy.

Department Director
Bruno Chiarellotto