

REOPENING OF THE TERMS OF THE CALL
FOR THE ADMISSION TO THE PHD PROGRAMME OF NATIONAL INTEREST IN AUTONOMOUS SYSTEMS
(XL CYCLE) – II SELECTION
POLITECNICO DI BARI
A.Y. 2024/2025

Rectoral Decree no. 942/2024

THE RECTOR

IN VIEW OF GIVEN	Politecnico di Bari Statute, issued under Rectoral Decree 455/2024; Ministerial Decree 226 (14 Dec 2021), "Regulations concerning accreditation procedures for institutes and doctorate programmes and criteria for establishment of doctorate programmes on the part of accredited institutes";
GIVEN	the Rectoral Decree no. 697 (12 June 2024) through which the call for application for admission to Politecnico di Bari XL cycle PhD Programmes was published;
GIVEN	the Rectoral Decree no. 929 (29 July 2024) through which the selection acts have been approved and the final ranking list concerning the PhD Programme in Autonomous Systems (XL cycle), according to the abovementioned Rectoral Decree no. 697/2024;
CONSIDERED GIVEN	that – following the abovementioned PhD call - 5 places have not been allocated; the necessity to announce a second public selection for the allocation of the available places as well as further places that may become available within the publication of the general ranking list Rectoral Decree

HEREBY DECREES

Art. 1 – REOPENING OF THE TERMIS

The terms of the call for the admission to the **PhD programme of national interest in Autonomous Systems (DAUSY) – XL cycle** – have been reopened till 28 August 2024, h. 13:00 (Italian local time).

Le premesse sono parte integrante del presente Decreto.

Art. 2 – COURSE DESCRIPTION (DAUSY)

Places with scholarships of this second selection are indicated as follows

PhD Course of National Interest in Autonomous Systems – DAUSY

Doctoral programme in collaboration with:

Libera Università di Bolzano, Politecnico di Torino, Università degli Studi del Sannio, Università degli Studi della Campania "Luigi Vanvitelli", Università degli Studi dell'Aquila, Università degli Studi di Brescia, Università degli Studi di Cagliari, Università degli Studi di Genova, Università degli Studi di Padova, Università degli Studi di Palermo, Università degli Studi di Parma, Università degli Studi di Siena, Università degli Studi di Roma "Tor Vergata", Università degli studi di Verona, Università degli Studi Roma Tre, Università di Modena e Reggio Emilia, Università degli Studi di Trento, Università Politecnico delle Marche, Università degli Studi di Napoli "Federico II"

Coordinator: Prof. Mariagrazia Dotoli

Department of Electrical and Information Engineering

PLACES AVAILABLE no. 5, of which:

- **3 places with grant co-funded by private bodies (as per Ministerial Decree 630/2024)**
- **2 places with grant funding of the associated Universities**

Total annual grant (gross total before social security contributions made by the beneficiary): € 16,243.00

RESEARCH TOPICS AS PER PLACES CO-FINANCED BY PRIVATE BODIES

Available grants: 3

1. Intelligent Control Techniques for Rail Construction and Maintenance Vehicle – co-financed by **Tesmec Rail s.r.l. (Università degli Studi dell'Aquila)**
2. AI-based VSLAM and tracking control for agricultural robots – co-financed by **Consiglio per la Ricerca in agricoltura e l'analisi dell'Economia Agraria (Università degli Studi di Roma "Tor Vergata")**
3. Planning of trajectories in a robotic cell with multiple manipulators – co-financed by **B.L.M. S.p.A. (Università degli Studi di Verona)**

Part of the research activity must be carried out by beneficiaries of this grants at the premises of the body/company in line with a research programme agreed upon by the parties.

RESEARCH TOPICS AS PER PLACES WITH FUNDING OF ASSOCIATED UNIVERSITIES

Available grants: 2

1. Model-based techniques for increasing reliability and safety of autonomous systems (**Università Politecnica delle Marche**) – financed within the projects "Smiling" (CUP B35E11004930008 codice identificativo 040040_DII_LONGHS_PROG._SMILING) and "Smart Cities" (CUP D74G14000080008 codice identificativo 040040_DII_LONGHS_SMART_CITIES_MIUR)
2. Optimization and control of multiscale processes (**Università degli Studi di Genova**) – financed within University fundings and projects "SACILE_PRIN2022 CORRECT" (CUP: D53D23000980006) and "SIRI_PRIN2022" (CUP: D53D23001120006)

Art. 3 – APPLICATION

Applications to the abovementioned Ph.D. programme of national interest in Autonomous Systems can be made **from 13:00 on 01 August 2024 until 13:00 (Italian time) on 28 August 2024 (final deadline date)** exclusively using the procedures set out on the **PICA webpage** at the following link <https://pica.cineca.it/poliba/dottorato40-dausy>.

The webpage can be accessed by registering or using SPID credentials, as outlined under the guidelines ([link to guidelines](#)). **In case of technical problems before or during application procedures, candidates may contact the PICA Helpdesk at the link on the application form (from Monday to Friday, 9:00-17:00).**

Application instructions may be found in article 4 below.

Applications which are presented in different formats will not be considered.

Candidates are responsible for correct adherence to online procedures.

It is recommended that candidates apply to the selection procedure well in advance of the final deadline date. Once completed applications have been received they will be officially registered and confirmed by e-mail.

In order to send applications, **candidates must:**

- complete their applications on PICA, attaching **all documentation (in pdf/A format)** as required under article 4;
- **pay an administration fee of €30.** Candidates may make fee payment by clicking on "Paga con Pago

PA" ([see manual](#)), selecting their preferred method of payment:

- Credit/debit card;
- Direct bank account payment;
- Other methods of payment and payment systems which allow for PagoPA procedures.

Only for candidates resident abroad: if it is not possible for candidates to pay using the PagoPA system, payment will also be accepted by bank transfer payable to: Politecnico di Bari - via G. Amendola, 126/B - 70126 Bari. The bank details are: IBAN: IT59X0306904067100000300001 BIC: BCITITMM - description: "Application for PhD Programme in Autonomous Systems – II selection". **Only candidates making payment in this way are required, before deadline date, to attach a copy of the bank transfer payment and a declaration of failed administration fee payment ("Dichiarazione di impossibilità al pagamento del contributo di partecipazione alla procedura concorsuale mediante PagoPA")**, to be compiled using the form available on the Politecnico website (<https://www.poliba.it/it/dottorati-di-ricerca>).

Under no circumstances will refunds be issued (i.e. exclusion, withdrawal, absence, etc.). The sole fee payment of €30 does not in itself constitute an application in the absence of an online application form, even if payment is made before the deadline.

As part of their online application, candidates with disabilities (as per Laws 104 (5 Feb 1992) and 17 (28 Jan 1999) or specific learning disabilities (SLD / ASD as per Law 170 (8 Oct 2010) must attach National Health Service certification attesting to the diagnosis of said conditions and clearly state requests for any additional assistance and/or added time needed to complete the entrance examination.

Applicants may modify, delete or add data and attachments, provided this is before the deadline date. After confirmation of receipt (and before deadline date), candidates may withdraw their application and make a new one.

After deadline date and/or after transmission of the application by PICA, no further additions or modifications can be made. Verification of application validity, including correct completion of and compliance with self-certification requirements, will be carried out by the offices in charge after the deadline date.

Art. 4 – DOCUMENTS TO ATTACH TO APPLICATIONS

Candidates must upload the following mandatory documentation to their online application, as per article 3.

Failure to do so will result in exclusion from the selection procedure:

- A **CV** following the layout in the example provided by Politecnico di Bari at <https://www.poliba.it/it/dottorati-di-ricerca>.
- A **copy of a current, valid identification document**. Only the following documents will be considered eligible:
 - ID card (only if issued by an EU member state);
 - driving license (only if issued by an EU member state);
 - in all other cases, a current passport (also non-EU citizens).

- A degree qualification certification for first (Bachelor's) degrees and second (specialization/Master's) degrees (or 5-year Single Cycle degrees). Candidates with qualifications awarded in Italy must attach the Politecnico form available at <https://www.poliba.it/it/dottorati-di-ricerca>, specifying:

- final degree mark;
- a list of all exams taken with their relative marks in both degree courses (or the Single Cycle course);
- results of exams taken.

Candidates with a degree qualification awarded by a non-Italian university must attach the following documents¹ to their application, as issued by the awarding body:

- degree certificate or diploma showing final mark;
- official transcript of exams taken during all university study programmes, showing all results;
- any other type of document which demonstrates the equivalence of qualifications with those required in this application call (Supplementary Diploma, "Dichiarazione di Valore" (statement of value) issued locally

- A PhD research proposal which the candidate intends to develop during the programme, stating the scientific basis of the proposal, its research objectives and the methods to be used. **The proposal should be generally based on the topics outlined in article 2** and is assessed purely for the purposes of admission; the topics are not necessarily those which the candidate will follow during the programme, which will be agreed upon between the doctorate student and Supervisor and formally assigned by the Board.

N.B: Research proposals must use the format attached to this call document ("Allegato Format DAUSY").

It is also possible to attach the following **optional documentation** to the application for evaluation purposes:

- **An abstract of the thesis topic for Specialist/Master's degree (or five-year Single Cycle degree)**, stating the title and name of thesis supervisor(s) (max 3,000 characters). **N.B.:** this documentation, while not obligatory, allows for further evaluation of the candidate's academic background; therefore its non inclusion does not affect the formal process of application but may result in a lower evaluation for qualifications held.

- **Candidate thesis for Specialist/Master's degree (or five-year Single Cycle degree)**

For **graduating students** whose thesis is not yet complete (see art.3), a draft version of the thesis which has been completed up to the time of application, including details of title and Supervisor. "**Draft version**" implies a version of the thesis text as completed by the graduating candidate up to the date of application, which, in terms of chapters and pages, allows the Selection Committee to evaluate its relative content and subject area. The abstract is not considered as a draft version of the thesis under any circumstances.

N.B: this documentation, while not obligatory, allows for further evaluation of the candidate's academic background; therefore its non-inclusion does not affect the formal process of application but may result in a lower evaluation for qualifications held. **Graduating applicants** should enclose a draft version of their thesis up to where it has been completed by the date of application submission, including the provisional title and name of thesis supervisor.

¹ **N.B.** These documents must be in Italian, French or English or translated into Italian or English and verified by an official Italian diplomatic or consular representative under the responsibility of the candidate. These should follow the guidelines set out in the document "PROCEDURES FOR ENTRY, RESIDENCY AND ENROLMENT OF INTERNATIONAL STUDENTS AND THE RESPECTIVE RECOGNITION OF QUALIFICATIONS, FOR HIGHER EDUCATION COURSES IN ITALY FOR THE ACADEMIC YEAR 2024/25" available at the Ministry link <https://www.studiare-in-italia.it/studentistranieri/>

- **A self-certification declaration for any other qualifications held** which are deemed suitable for evaluation. This must be signed and dated (following the layout of the example provided at <https://www.poliba.it/it/dottorati-di-ricerca>), as per arts. 46 and 47 of Presidential Decree n. 445/2000.
- **Language certificates** demonstrating a knowledge of English which corresponds to at least B2 level. Only those candidates who are non-Italian citizens may attach certification which demonstrates knowledge of the Italian language.
- **Publications** related to activity carried out and shown on the candidate's CV. These must be in either Italian or English or translated into Italian or English on behalf of and under the responsibility of the candidate. Publications can be uploaded via the Research section of MIUR Login system or through direct attachment (maximum size of each file: 30 MB).
- **A reference letter.** After submitting their application, candidates will see an option for "Lettere di referenza", which can be used to request the compilation of a maximum of two reference letters. In order to complete this request, the institutional e-mail details of the referee must be inserted. If the referee agrees to issue a letter and conclude the procedure, the PICA system will notify the candidate. Subsequent to this phase, applications may no longer be modified, only withdrawn (using the withdrawal option on the system) with the option of making a new application. The candidate may, at any time, access the system to verify current application status. N.B: referees must complete their reference letters by the deadline time and date of this call (13:00 Italian time, 28 August 2024).

In accordance with Presidential Decree 445 (28 Dec 2000) and subsequent modifications and additions, all status, acts and qualifications attested by **Italian Public Administration** bodies may be provided using only a selfdeclaration certificate.

Art. 5 – FURTHER PROVISIONS

Any other provision established by the call referred to Rectoral Decree no. 697/2024 remains unchanged, including the **admission requirements**.

Bari, 01.08.2024

THE RECTOR

prof. ing. Francesco CUPERTINO