

**CALL FOR APPLICATIONS FOR ADMISSION TO NATIONAL RESEARCH PhD PROGRAMME IN
“AUTONOMOUS SYSTEMS” – XXXIX CYCLE
(Secondo Selection)
POLITECNICO DI BARI
ACADEMIC YEAR 2023/2024**

Rectoral Decree no. 948/2023

THE RECTOR

- IN VIEW OF** Politecnico di Bari Statute, issued under Rectoral Decree 175/2019;
- IN VIEW OF** Law 476 (13 Aug 1984) on regulations governing scholarships and doctorate research programmes at Italian universities;
- GIVEN** Law 104 (5 Feb 1992), specifically art.20 and subsequent modifications and additions;
- GIVEN** Law 210 (3 Jul 1998), as modified by Law 240 (30 Dec 2010);
- GIVEN** Ministerial Decree 509 (3 Nov 1999) on didactic autonomy of universities;
- GIVEN** Presidential Decree 445 (28 Dec 2000), Consolidated Law on legislative measures and regulations for administrative records;
- GIVEN** Legislative Decree 82 (7 Mar 2005) and subsequent modifications and additions;
- GIVEN** Prime Ministerial Decree of 9 Apr 2001 on measures for equal treatment for rights to university studies;
- GIVEN** Legislative Decree 68 (29 Mar 2012), specifically art.18.8;
- GIVEN** Ministerial Decree 270 (22 Oct 2004);
- GIVEN** Ministerial Decree 198 (23 Oct 2003), arts. 3 and 6, Ministerial Decree 263 (9 Aug 2004) and Ministerial Decree 492 (3 Nov 2005);
- GIVEN** the Politecnico di Bari Ethical and Behavioural Code, issued as part of Rector's Decree 582 (28 Sept 2018);
- GIVEN** 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 Politecnico di Bari Doctorate Research Programme Regulations, issued as part of Rectoral Decree 288 (11 Mar 2022);
- GIVEN** the regulations for the national doctorate research programme in Autonomous Systems;
- GIVEN** agreements with other Italian universities and the National Research Council regarding the national doctorate programme in Autonomous Systems, for which Politecnico di Bari is the administrative centre;
- GIVEN** Ministerial Decree 247 (23 Feb 2022) stipulating annual amount of PhD programme grants, which will be €16,243.00 (gross total before social security contributions made by the beneficiary);
- GIVEN** Politecnico di Bari's participation in “Patti Territoriali per l'Alta Formazione delle Imprese” agreements (hereinafter “Patti Territoriali”), as per Ministry of Universities and Research notice

- no. 1290 (8th Aug 2022), implementing art. 14 of Legislative Decree no. 152/2021;
- GIVEN** the National Plan for Resilience and Recovery – NPRR;
- GIVEN** the initiative “Digital Driven Diagnostics, Prognostics and Therapeutics for Sustainable Health Care - D3 4 Health”, as part of the NPRR Complementary Fund (Legislative Decree 59/2021) – Project Code B53C22006170001;
- GIVEN** Ministerial Decree no. 117 (2 March 2023) regarding the allocation of doctorate research grants from the NPRR’s Mission 4, Component 2 “From Research to Enterprise” – Investment 3.3 “Implementation of innovative doctorate programmes addressing company innovation requirements and promoting company hiring of researchers”, for which Politecnico di Bari has been allocated ministerial co-funding for doctorate research grants for the abovementioned field;
- GIVEN** Ministerial Decree no. 118 (2 March 2023) regarding the allocation of doctorate research grants from the NPRR’s Mission 4, Component 1, “Expansion of Educational Services: from Playschools to University” – Investment 3.4 “Advanced university teaching and skills” and Investment 4.1 “Increase in number of doctorate and innovative doctorate research programmes for public administration and cultural heritage”, for which Politecnico di Bari may allocate co-funding for doctorate research grants for macro-areas in “Digital and Environmental Transition”, “NPRR”, “Public Administration” and “Cultural Heritage”;
- GIVEN** the following Project Codes (CUP) as per Ministerial Decree 117/2023 and DM 118/2023 for the PhD Programme in Autonomous Systems as below:
- M4 C1 - Inv. 4.1 – NPRR - (MD 118/2023): D93C23000450005
 - M4 C1 - Inv. 4.1 – Public Administration - (MD 118/2023): D93C23000470005
 - M4 C2 - Inv. 3.3 - (MD 117/2023): D93D23000380003
- GIVEN** the guidelines for implementing bodies reporting Mission 4 Component 1 and Component 2 systems (NPRR);
- PENDING** the publication of the 2023/24 Fees and Contributions Regulations;
- GIVEN** the approval of the Italian National Agency for the Evaluation of the University and Research Systems (ANVUR) regarding the institute accreditation of the PhD Programme in Autonomous Systems (DAuSy) – XXXIX cycle;
- SUBJECT TO** Ministry of Universities and Research decree, regarding the institute accreditation of the PhD Programme in Autonomous Systems (DAuSy) – XXXIX cycle;
- GIVEN** the Rectoral Decree no. 736 (13 June 2023) through which the call for application for admission to Politecnico di Bari XXXIX cycle PhD Programmes for academic year 2023/2024 was published;
- GIVEN** the Rectoral Decree no. 943 (31 July 2023) through which the selection acts have been approved and the final ranking list concerning the Rectoral Decree no. 736/2023 has been published;
- CONSIDERED** that – following the R.D. no. 943/2023 - 10 places have not been allocated;
- GIVEN** the opportunity to announce a second public selection for the allocation of the available places as well as further places that may become available because of further waivers;

HEREBY DECREES

Art. 1: PLACES

It is published the **second public selection**, based on qualifications and interview - which is open to Italians and foreign citizens - for the admission to the **National PhD Programme in Autonomous Systems (DAuSy – Coordinator: Prof.ssa Mariagrazia Dotoli - Department of Electrical and Information Engineering)**

The PhD programme have a 3-year duration. Commencement date will be 1 November 2023. All teaching is carried out in English.

The **PhD Programme is 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 Catania, 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 del Salento, Università della Calabria, Università di Modena e Reggio Emilia, Università di Pisa, Università degli Studi di Roma "La Sapienza", Università degli Studi di Trento, Università Politecnica delle Marche.*

The current call is deemed official notification to all intents and purposes. All communication regarding call procedures will be by the candidate's e-mail address as indicated on the application form.

Places with scholarships of this **second selection** are indicated as follows.

AVAILABLES PLACES

10 places of which:

- **5 places** with grant funded by NRRP, as per **DM 118/2023**, of which:
 - 4 NRRP;
 - 1 Public Administration
- **1 place** with grant funding from "**Patti Territoriali**" agreements
- **4 places** with grant funding from NRRP funds, as per **DM 117/2023**

Places may be increased in case of further grants that may be available following waivers of candidates that resulted beneficiaries according to R.D. 963/2023 mentioned in the introduction.

Total annual grant (gross total before social security contributions made by the beneficiary): **€ 16,243.45**

RESEARCH TOPICS AS PER MINISTERIAL DECREE 118/2023 AND "PATTI TERRITORIALI" AGREEMENTS

Total grants available: 6

1. Control and monitoring of secure and distributed Cyber-Physical Systems through the Digital Twin paradigm;
2. Autonomous systems for guided endoscopic navigation and theranostics;
3. Distributed control of networked smart energy systems;
4. Robotic systems for minimally invasive and interventional surgery;
5. Platforms for optimization and control of Drone-as-a-service in logistics;
6. Autonomous navigation systems;
7. Multirobot planning and control for human-robot interaction and cooperation in the manufacturing sector;

8. Mathematical theory for control and optimization of evolutionary phenomena;
9. Risk-aware control of aerial cargo drones;
10. Stability and safety of platoons of interconnected vehicles;
11. Identification, modeling, and optimization of a sustainable urban transportation network;
12. Advanced control strategies with applications to sustainable bioprocesses;
13. Security for Industrial Internet of Things;
14. Modeling of complex humans-involved systems and control of disastrous outcomes;
15. Real-time optimization with application to autonomous systems;
16. Reinforcement Learning Algorithms for Contact-Rich Manipulation Tasks;
17. Integrating Swarm Sensors for Distributed Monitoring and Agent Based Modeling for Environmental Systems Control;
18. Control methods for smart networks;
19. New techniques for analysis, design and control of chaotic dynamics;
20. Robotics and artificial intelligence in agriculture;
21. Model-based and data-driven learning and control techniques for increasing reliability and safety of an autonomous system in uncertain and hazardous environments;
22. Edge AI-enabled Internet of Things systems for smart environments;
23. Optimization and control techniques for energy management systems;
24. Modelling, control and optimisation of electrical smart grids;
25. Safety-driven mixed model- and learning-based motion planning and control of autonomous systems;
26. Model-based condition monitoring, fault diagnosis and control of autonomous systems;
27. Autonomous Vehicles Fleet Management using Artificial Intelligence.

RESEARCH TOPICS AS PER MINISTERIAL DECREE 117/2023

Total grants available: 4

1. Intelligent systems for robotic path planning in industrial processes (**Politecnico di Bari**) - **Co-finanziata da Comau S.p.a;**
2. Intelligent Control for Safe and Efficient Human-Robot Collaboration in Automated Warehouses (**Politecnico di Bari**) - **Co-finanziata da ICAM S.r.l;**
3. Multi-agent distributed coordination for workforce management with privacy by design (**Università di Cagliari**) – **Co-finanziata da DEDEM S.p.a.;**
4. Data analysis and planning for smart mobility schemes (**Università di Genova**) – **Co-finanziata da Aitek S.p.a.**

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

Art. 2: ADMISSION REQUIREMENTS

Admission applications, with no age limit or nationality restrictions, may be submitted by all candidates who:

- **hold qualifications as required** on the deadline date of the current call data;
- **obtain the required qualifications for selection** before the deadline date of 31 October 2023;

It should be noted that:

- qualifications required for admission to the PhD Programme are as follows:

- a. 5-year degree awarded by an Italian university prior to Ministerial Decree 509 (1999);
- b. Master's Degree (as per Ministerial Decree 509/99);
- c. Second-level Degree (as per Ministerial Decree 270/04);
- d. Second-level degree awarded abroad (as per the Bologna Process) which enables the holder to enrol on a PhD programme in their country of origin. These qualifications must be awarded by an officially recognized academic institute.

Candidates whose degree has **already been recognised as equivalent** by an Italian university must attach self-certification indicating all relevant details of this to their application.

Where a qualification awarded by a foreign university has **not yet been declared equivalent** to an Italian university degree, the Selection Committee will decide upon the eligibility of the foreign qualification in line with current Italian regulations and those of the country of origin, as well as any international treaties or agreements on qualification recognition for further study. In order to facilitate the recognition process, candidates must attach all documents pertinent to eligibility evaluation to their online applications. The compilation of online applications entails an implicit request for the verification of all qualifications awarded abroad.

The evaluation of qualification eligibility is only possible if the documentation provided clearly shows all required information, including **specific details** (degree type; typical length of degree course; official title of academic institute awarding the degree; date qualification obtained; mark or grade achieved in relation to the scale used in the higher education system in question).

Candidates are accepted provisionally until the validation of all admission requirements. Politecnico di Bari may ascertain the fulfilment of these requirements at any time, also after programmes have commenced, as per art. 43 of Consolidation Act 445/2000. Candidates may be excluded at any time by substantiated decision.

Art. 3: APPLICATIONS

Applications to the Ph.D. Programme can be made **from 13:00 (Italian time) on 01 August 2023 until 13:00 (Italian time) on 31 August 2023 (final deadline date)** using exclusively the procedures set out on the **PICA webpage** at the following link: <https://pica.cineca.it/poliba/dottorato39-dausy/>.

The PICA webpage can be accessed by registering or using SPID credentials, as set out under the guidelines (<https://pica.cineca.it/file/LineeGuidaCompilazioneDomandaPICA.pdf>). **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).**

ATTENTION: from Tuesday August 08 2023 - from 07:00 AM – to Wednesday 9 August (07:00 AM) PICA webpage will not be available due to extraordinary maintenance to the infrastructure.

Application instructions are set out under article 4.

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 in advance of the final deadline date. Once completed applications are 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 can make fee payment by clicking on “*Paga con Pago PA*” (see manual), selecting form of payment:
 - Credit/debit card;
 - Direct payment from bank account;
 - 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 – second 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 can 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 the 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 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 Administration after the deadline date.

Art. 4: DOCUMENTS TO ATTACH TO APPLICATIONS

Candidates must upload the following 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 of the example provided by Politecnico di Bari at <https://www.poliba.it/it/dottorati-di-ricerca>.
- **Copy of a current identification document.** Only the following documents will be considered eligible, **failure to comply will result in exclusion from the application procedure:**
 - ID card issued by an EU member state;
 - driving licence issued by an EU member;
 - in all other cases, a current passport (also non-EU citizens).

➤ **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 documents to their application, as issued by the awarding body. This supersedes any form of self-declaration¹:

- 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.

➤ **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 1** 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 be issued by using 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.2), 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.

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 2023/24*" 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 certification** 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).
- **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 academic 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, 31 August 2023).

In accordance with Presidential Decree 445 (28 Dec 2000) and subsequent modifications and additions, candidates may only provide a self-declaration certificate attesting to status, acts and qualifications certified by **Italian Public Administration bodies**.

Art. 5: GROUNDS FOR EXCLUSION

The following are grounds for exclusion from the PhD programme selection procedure:

- a. any application which does not comply with the format set out under article 3 of this call document;
- b. applications missing documents which are obligatory for the selection procedure as set out in art. 4;
- c. false or mendacious self-declaration statements relative to status / acts / qualifications;
- d. missing application fee payment by the deadline date of this call (art. 3).

Any candidates excluded from the selection procedure will be notified by the Post-Lauream Office by email at the address provided to the PICA system. As such, candidates are reminded to ensure the e-mail address provided is correct and current. Other e-mail addresses will not be taken into consideration.

Art. 6: SELECTION EXAMINATION PROCEDURE

Admission to the PhD programme is subject to a selection examination designed to ascertain candidate preparation on general programme topics and their research aptitude and is aimed toward ensuring an accurate comparative evaluation of candidates.

The Selection Board will publish a list of candidates eligible for the oral examination in line with the criteria outlined in article 7. Prior to the examination, candidates will be notified of marks received in the evaluation phase via the

Politecnico website.

Upon completion of oral examinations, the Selection Board will publish a list of candidates with their relative marks which will be posted on the Politecnico website in the “*Dottorati di Ricerca*” section.

Selection evaluation and oral examinations will commence on 05 September 2023 and conclude by 12 September 2023. Interviews will be held **online**, details of which will be provided prior to the examination date via public notification on the Politecnico website in the “*Dottorati di Ricerca*” section (www.poliba.it). Candidates will be excluded from the selection procedure if they are unable to provide identification or do not attend the oral interview.

All candidates must demonstrate a good knowledge of English. This can be certified with a recognised language qualification from an accredited examination board showing B2-level knowledge of the language, in line with the Common European Framework for the Knowledge of Languages. In the absence of certification, the candidate’s English language level will be assessed during the oral examination.

Interviews may be held in Italian or in English.

Changes relating to the aforementioned dates or times **will be published on the Politecnico website** as an official notification.

No other form of notification regarding oral examinations will be sent to candidates.

Art. 7: ASSESSMENT OF QUALIFICATIONS AND INTERVIEW

The Selection Board will assess candidates’ qualifications and oral interview with a **mark of up to a maximum of 100**. Marking system is outlined below.

1. EVALUATION OF QUALIFICATIONS	2. EVALUATION OF RESEARCH PROPOSAL	3. ORAL EXAMINATION	MINIMUM PASS MARK
Min. 10; Max. 20	Min. 20; Max. 40	Min. 20; Max. 40	50

Admission to the subsequent phase of the selection procedure is subject to the attainment of the minimum pass mark shown above.

Upon completion of the examination procedures, the Board will carry out an overall assessment and draw up an admission rankings list on the basis of the marks obtained by candidates in each part of the examination. **The assessment criteria for qualifications will be established by each Selection Board.**

Art 8. SELECTION BOARD AND GRANT ALLOCATION

The Rector will appoint a Selection Board with a Rector’s decree in line with art. 15 of Politecnico di Bari’s Doctorate Research Programme (available on the Politecnico website).

The members of the Board will provide self-certification in line with art. 46 of Presidential Decree 445/2000, stating that:

- they will report any potential conflict of interest and/or reason for abstention and/or incompatibility with relation to their role;

- they have at no time had a criminal record for offences which bar them from public office duties, offences which affect professional morality or offences as set out in Legislative Decree no. 231/2001;
- they are unaware of any current legal proceedings against them;
- they will act with impartiality and carry out their duties with confidentiality, due care and attention and respect for current legislation as well as the founding principles of the Ethical and Behavioural Code of Politecnico di Bari.

The Selection Board will draft an examination report which will then be submitted to the Post-Lauream Office to provide admission rankings list.

The allocation of different grants will be overseen by the Board of Professors of the PhD Programme.

Art. 9: ADMISSION RANKINGS AND COURSE ELIGIBILITY

The Rector will issue a decree confirming his approval of the acts and general ranking list and publishes the names of successful candidates with the indication of grant funding allocation ("*Decreto di Approvazione atti e Assegnazione Borse*").

Successful candidates are admitted in the order of admission rankings until all available positions.

In cases where candidates have an identical result, gender balance will be considered, with preference given to the minority gender with higher ranked positions in the same list. If candidates are still at the same level, the younger of the candidates will be selected.

The general admission rankings list for successful candidates will be published online as an official notification on the *Albo Ufficiale* page of the Politecnico di Bari website www.poliba.it, as well as in the Doctorate Research Programme section.

Art. 10: ENROLMENT

Candidates admitted to the PhD programme must enrol online following the procedures and conditions outlined in a public notification which will be published online as an official notification on the *Albo Ufficiale* page of the Politecnico di Bari website www.poliba.it, as well as in the Doctorate Research Programme section. This notification will be an attachment of the Rector's "*Approvazione Atti*" Decree.

Candidates who fail to enrol as set out in the abovementioned notification will be considered as having waived their status as a successful candidate. This waiver will affect any subsequent entries on the admission ranking list and rulings which may arise as a result.

The notification attachment to the Rector's Decree will outline the terms and procedures for subsequent entries and rulings.

Please note that candidates will be given a deadline to implement these procedures, after which failure to reply or comply with the terms will be considered as withdrawal from the rankings list.

In caso di rinuncia e/o decadenza degli aventi diritto prima dell'inizio del corso, il subentro avverrà rispettando l'ordine della graduatoria. In caso di utile collocamento in più graduatorie, il candidato dovrà esercitare opzione per un solo corso.

If a successful candidate waives his/her position or loses his/her right to admission prior to the commencement of the PhD programme, a replacement participant will be admitted according to his/her position on the admission rankings list.

Withdrawal from the PhD programme after enrolment procedures have been completed will entail a compulsory stamp duty payment of €16.

Art. 11: OBLIGATIONS AND RIGHTS OF DOCTORATE RESEARCH STUDENTS

Participation in the PhD programme is a full-time commitment subject to a specific discipline, in accordance with art. 10 of the Doctorate Research Programme Regulations issued as part of Politecnico di Bari Rector's Decree no. 288 (11 Mar 2022).

Doctorate Research students are hereby notified of their obligation to respect:

- the rules and conditions set out in the Doctorate Research Programme Regulations, issued as part of Rector's Decree no. 288 (11 Mar 2022);
- the Politecnico di Bari's Ethical and Behavioural Code, issued as part of Rector's Decree no. 582 (28 Sept 2018);
- all applicable rules and Politecnico di Bari regulations, including those pertaining to student fees as stipulated by the Politecnico di Bari.

Beneficiaries of NRRP grant funding must adhere to specific reporting requirements as set out in guidelines which will be made available to successful candidates.

Art. 12: GRANTS

Grants are paid in monthly instalments which are gross and subject to social security contributions paid by the beneficiary. The full amount is outlined under article 1 in the table of the PhD programme.

Grants are annual and are renewable on the provision that the student has completed the programme of activities for the previous study year and has been admitted to the following year by Academic Board deliberation.

All participating doctorate research students are guaranteed:

- a **research budget**, which is a fund for research activity in Italy or abroad of 20% for the PhD programme for National Research for Autonomous Systems; the use of research budget resources is to follow the reference guidelines available at the following link: <http://www.poliba.it/it/dottorati-di-ricerca>;
- **an increase for period spent abroad** of 50% of the monthly grant amount, allocated monthly if authorisation has been given by the programme Coordinator to carry out research activity abroad. This increase may be extended to a maximum of 12 months or 18 months for those PhD students in joint co-ordination with external bodies or those established according to the Politecnico di Bari Regulations for Doctorate Research Programmes.

Participants should note that the **annual personal income limit** established by Politecnico di Bari as **compatible with grant allocation** is equal to **the gross amount of grant** as set out in article 2 for each PhD programme. This includes property income as well as any other source of recurring income, with the exception of income for occasional work. Should this limit be surpassed, the candidate will be obliged to refund any instalments already paid for the fiscal year in which the amount was exceeded.

Art. 13: FEES AND CONTRIBUTIONS

Upon enrolment on the programme, PhD students are subject to the current Student Fees and Contributions Regulations. These are available for consultation on the Politecnico website.

All PhD students are exempt from the all-inclusive contribution and are required to pay only the electronic revenue stamp fee and the ADISU Right to Higher Education fee, as well as adhering to the conditions set out in the Politecnico di Bari Fee Regulations.

The enrolment fee is €136, based on a stamp duty fee of €16 and the first instalment of Regional Tax (€120).

ADISU fees are divided into three bands according to income, which are respectively €120, €140 and €160. Accordingly, based on the aforementioned ISEE figure, contributions will be invoiced in the private area of each PhD student.

All payments must be made using the PagoPA electronic payment system. Payments made this way will be automatically recognised by the Esse3 system.

In order to determine the total amount of Regional ADISU fees payable, Politecnico di Bari automatically acquires Equivalent Financial Situation Index certification (ISEE) from the National Social Insurance Agency (INPS) regarding subsidised benefits for higher education study. All declarations should be completed in full on the INPS website by 31 December of the calendar year of enrolment (e.g. for Academic Year 2023/24 the deadline date is 31 Dec 2023). Failure to provide declarations by the deadline date will result in the application of the full fee rate.

Up-to-date Doctorate Research student financial contributions are a compulsory condition required in order to access Politecnico services and maintain PhD student status.

Art. 14: TREATMENT OF PERSONAL DATA

As per Law 675/96, the private nature of information provided by candidates will be guaranteed. All data provided will be used only for purposes connected with selection procedures. For successful candidates, this data will also be used for purposes related to the PhD programme. For students completing the programme, data supplied will be used for purposes of employment opportunities. All data treatment is in compliance with current regulations as per European General Data Protection Regulations EU2016/679.

Under arts.15-18 of the abovementioned Regulations, candidates have the right to access their personal data as well as request modifications, additions and cancellations. Candidates may also request limits for their data treatment by contacting the Politecnico di Bari at rpd@poliba.it.

In all cases, by participating in the selection process applicants give their implied consent for the publication of their data, including examination results, on the Politecnico di Bari website, as per the abovementioned Law.

In accordance with Law 241 (7 Aug 1990) and Presidential Decree 184 (12 Apr 2006) and subsequent modifications and additions, any party with a related legal interest may have access to the selection procedure documentation, in line with guidelines set out under current legal rules. Accordingly, any documentation provided by applicants may be made available for consultation by other candidates.

Art. 15: PROCEDURAL SUPERVISOR

The Procedural Supervisor for selection proceedings is Simona Del Vecchio, Politecnico di Bari Research, International Relationships and Post-Lauream Office, whose contact details are as follows: post-lauream@poliba.it, telephone (+39) 080 596 2229 / 2201 / 2525 / 2068.

Art. 16: REGULATIONS

For all conditions not specified in this Call document, please refer to current regulations as well as those outlined in the Politecnico di Bari's Regulations for Doctorate Research programmes, issued as part of Rector's Decree no. 288 (11 Mar 2022).

This application call is published on the website of the Italian Ministry of Universities and Research and that of Euraxess, as well as the *Albo Ufficiale* page of the Politecnico di Bari's website (www.poliba.it) and the *Dottorati di ricerca* section.

Bari, 01 August 2023

Signed by Prof. Francesco CUPERTINO

(Rector, Politecnico di Bari)