Politecnico di Bari

CALL FOR APPLICATIONS FOR THE AWARD OF RESEARCH FELLOWSHIPS
Regulation on Research Fellowships pursuant to Italian Law no. 240/2010
Politecnico di Bari, issued by Rectoral Decree no. 252 of 05/07/2016

D.R. n. 188/2018

Purpose

Applications are invited for the selection running at Politecnico di Bari for the award of:

- **n. 1** professional grant research fellowship, for the execution of research activities within the project entitled: "***THE RE-CONSTRUCTION OF THE FORM OF PUBLIC CITY. Compositional and design strategies for urban and architectural regeneration of public housing districts***", according to the annexed Activity Programme:

"*The re-construction of the shape of the public city" is a research program aimed at consolidating knowledge and creating a scientific expertise related to the issue of rethinking and redefining the shape and spaces of public housing districts in Italy, from the second post-war period onwards, within the context of the implementation programs of the policies supporting housing rights. Due to their size, their spatial articulation, their position (often marginal between the city and the countryside) these neighborhoods constitute a "resource" for the re-form of the contemporary city. In this perspective, the research objective is not so much to define strategies related to the recovery and renovation of the individual building, but rather to identify strategies capable of integrating existing buildings and spaces into a new system of urban relations referring to new "Ideas of City", corresponding to the demands of our time "*.

The call for applications for the research fellowship issued pursuant to the University Regulation issued by Rectoral Decree (D.R.) no. 252/2016.

The activities shall be carried out under the supervision of a tutor, Scientific Responsible Prof. Carlo Moccia in a non-subordinate relationship with no set working hours.

The main place of work will be: Department of civil engineering and architecture of the Politecnico di Bari, VIA ORABONA,4, BARI, ITALY.

-**n. 1** professional grant research fellowship, for the execution of research activities within the project entitled: "***Models for integrated transport systems networks design based on equity and social inclusion***", according to the annexed Activity Programme:

"*The aim of this research is to define mathematical models for the design of multimodal transport networks considering both vertical and horizontal equity. The models have to simulate the relationship between the achieved equity level and the costs related to the planned interventions. In particular, the study will consider the public transit and cyclist network. The applicant has to focus on the definition of proper equity indicators and algorithms to solve the network design problem coded in Matlab or Payton environment. The use of traffic microsimulator is also requested*."

The call for applications for the research fellowship issued pursuant to the University Regulation issued by Rectoral Decree (D.R.) no. 252/2016.

The activities shall be carried out under the supervision of a tutor, Scientific Responsible Prof. Michele Ottomanelli in a non-subordinate relationship with no set working hours.

The main place of work will be: Department of civil engineering, environmental, chemical, construction and territory of the Politecnico di Bari, VIA ORABONA,4 , BARI, ITALY.

-n. 1 professional grant research fellowship, for the execution of research activities within the project entitled: "***Mitigation of turbophoretic effects on particles distribution using electric fields***", according to the annexed Activity Programme:
"*The proposed research aims at investigating the effects of the application of electric fields on the dispersion of inertial point particles laden in turbulent channel flows. Incident and self-induced electric fields, occurring because of electric charge imbalances, may be sufficiently strong to compete against the inertia of the particles and the aerodynamic forces acting on them, so as to modify the distribution of particles in the channel. This specific problem is particularly interesting insofar as this configuration leads to an effect commonly referred to as turbophoresis.*
In this work, we aim to study the effects of electric fields on the turbophoretic migration of particles toward the walls and numerically investigate whether it is possible to supress this phenomenon using an external voltage appropriately applied on the channel plates."
The call for applications for the research fellowship issued pursuant to the University Regulation issued by Rectoral Decree (D.R.) no. 252/2016.

The activities shall be carried out under the supervision of a tutor, Scientific Responsible Prof. Giuseppe Pascazio in a non-subordinate relationship with no set working hours.

The main place of work will be: Department of mechanical engineering, mathematics and management of the Politecnico di Bari, VIA ORABONA, 4 , BARI, ITALY.

-n. 1 professional grant research fellowship, for the execution of research activities within the project entitled: "***Nanoscale broadband spin-transfer torque microwave detectors***", according to the annexed Activity Programme:
"*The recent discovery of the interfacial perpendicular anisotropy in CoFeB/MgO was a milestone in the development of high thermal stability and low critical current density Spin-Transfer-Torque (STT) - MRAM. Indeed, the key advance is the possibility to set the easy axis of the ferromagnet by controlling its thickness, this aspect gave rise to use the geometrical parameters together to the physical ones for the optimization of Magnetic Tunnel Junction proprieties (such as Tunneling Magnetoresistance, critical currents, thermal stability etc.), also achieving the characteristics of STT -oscillators and diodes. Concerning the STT-diodes, they have the potential to overcome the theoretical performance limits of their semiconductor (Schottky) counterparts. This grant will support theoretical and experimental research for the proof-of-concept of a new category of SST-diodes characterized by a broadband detection in the frequency range from hundreds of MHz to few GHz*"
The call for applications for the research fellowship issued pursuant to the University Regulation issued by Rectoral Decree (D.R.) no. 252/2016.

The activities shall be carried out under the supervision of a tutor, Scientific Responsible Prof. Mario Carpentieri in a non-subordinate relationship with no set working hours.

The main place of work will be: Department of electrical and information engineering of the Politecnico di Bari, VIA ORABONA,4 , BARI, ITALY.

-n. 1 professional grant research fellowship, for the execution of research activities within the project entitled: "***Intelligent Robot Swarms for Patrol and Surveillance Applications***", according to the annexed Activity Programme:
"*The research aims at developing self-organized swarms of small automomous robots able intelligently cooperate to solve in particular complex patrol and surveillance tasks, but with possible outcomes in the field of emergency management, polluted environment cleaning, smart agriculture, autonomous and decentralized optimal control of routes. The specific scope of the research is to move from a software simulated swarm of agents to a real hardware swarm of robots showing the same collective intelligence properties of the software simulated swarm of agents.*"
The call for applications for the research fellowship issued pursuant to the University Regulation issued by Rectoral Decree (D.R.) no. 252/2016.

The activities shall be carried out under the supervision of a tutor, Scientific Responsible Prof. Giuseppe Carbone in a non-subordinate relationship with no set working hours.

The main place of work will be: Department of mechanical engineering, mathematics and management of the Politecnico di Bari, VIA ORABONA,4 , BARI, ITALY

-**n. 1** professional grant research fellowship, for the execution of research activities within the project entitled: "***Diagnosis of slope-atmosphere interaction for the assessment of the efficacy for landslide risk mitigation of deep-rooted vegetation***", according to the annexed Activity Programme:
"*Slope-atmosphere interaction influences landsliding and is of great interest for the national and international geotechnical research community. Climate effects on slope stability are particularly relevant in the Southern Apennines, location of several tectonized clayey slopes, formed of fissured clays of low strength and relatively high permeabilities, which represent an internal predisposing factor of landsliding. Severe and diffuse damage to infrastructures and buildings has been recognized as an effect of such climate-driven landsliding, along with social and economic consequences for many urban areas. This project proposes an innovative non-structural and sustainable strategy for landslide risk mitigation, which adopts deep-rooted vegetation acting on the water infiltration regime, generating an increase of soil suctions above the water table and a decrease of pore water pressures to depth, with a consequent increase of soil strength and slope stability.*"
The call for applications for the research fellowship issued pursuant to the University Regulation issued by Rectoral Decree (D.R.) no. 252/2016.

The activities shall be carried out under the supervision of a tutor, Scientific Responsible Prof. Federica Cotecchia in a non-subordinate relationship with no set working hours.

The main place of work will be: Department of civil engineering, environmental, chemical, construction and territory of the Politecnico di Bari, VIA ORABONA,4 , BARI, ITALY

-**n. 1** professional grant research fellowship, for the execution of research activities within the project entitled: "***Study of High Energy gamma ray sources using Cerenkov telescopes***", according to the annexed Activity Programme:
"*The research topic focuses on the study of emission spectra of very high-energy astrophysical gamma sources with particular link to multi-messenger and multi-wavelength observations. The recent observations of the first gravitational wave sources together with those from various telescopes at various wavelengths (ranging from radio to gamma rays), have made more and more important the search for variable sources and the joint observations from various instruments. The research is in this context and will operate within the gamma observations made by the Fermi (https://fermi.gsfc.nasa.gov/) telescope in orbit and with the ground-based Cerenkov telescopes CTA (www.cta-observatory.org) and MAGIC (magic.mpp.mpg .de). The research group in which we will work, has many years of experience in satellite data analysis and is currently involved in the construction of the next generation of gamma telescopes: the Cerenkov Telescope Array (CTA).*"

The call for applications for the research fellowship issued pursuant to the University Regulation issued by Rectoral Decree (D.R.) no. 252/2016.

The activities shall be carried out under the supervision of a tutor, Scientific Responsible Prof. Nicola Giglietto in a non-subordinate relationship with no set working hours.

The main place of work will be: Inter-Department of Physics of the Politecnico di Bari, VIA ORABONA,4 , BARI, ITALY.

-**n. 1** professional grant research fellowship, for the execution of research activities within the project entitled: "***Automatic monitoring, Simulation and Mixed Reality for Industry 4.0***", according to the annexed Activity Programme:
"*The introduction of low-cost depth sensors, such as Microsoft Kinect ™, suggests a semi-automatic approach to observational methods. The studies on the accuracy and robustness of the positions of joint joints obtained (skeletal tracing), demonstrate the usability of these tools for applications that require the compilation of an ergonomic evaluation grid. The researcher will accomplish the following activities:*

• *Implementation of an experimental setup for the monitoring of industrial workstations, in Industry 4.0 fashion.*
• *Implementation of more complete observational methods.*
• *Simulation of users/machines behavior.*
• *Implementation of Mixed Reality techniques (VR and AR) for the fruition of the data obtained in the previous steps.*
• *Validation of the system*".
The call for applications for the research fellowship issued pursuant to the University Regulation issued by Rectoral Decree (D.R.) no. 252/2016.

The activities shall be carried out under the supervision of a tutor, Scientific Responsible Prof. Antonio Emmanuele Uva in a non-subordinate relationship with no set working hours.

The main place of work will be: Department of mechanical engineering, mathematics and management of the Politecnico di Bari, VIA ORABONA,4 , BARI, ITALY.

-**n. 1** professional grant research fellowship, for the execution of research activities within the project entitled: "***Study and application of scientific methods for implementing traffic calming measures in urban environment***", according to the annexed Activity Programme:
"*The research is oriented towards the planning, implementation and monitoring activities of traffic calming measures in urban environment, for the aim of spreading the limited speed areas.*
The research fellow will be involved in the following activities:
- Literature review of the National and European "best practices" concerning traffic calming measures in urban environment, specifically related to planning and implementation, and their effects on accidents and speeds;
- Cooperation on conducting a before-after evaluation experiment, for monitoring speeds, driving behaviour and effectiveness of traffic calming measures.
- Drawing up reports related to the research activities every four months.
The final objective is oriented towards the individuation of a standardized procedure, for selecting and implementing the traffic calming measures, starting from the problems in the urban mobility; and by taking into account different techniques (e.g. cost-benefit analysis)."
The call for applications for the research fellowship issued pursuant to the University Regulation issued by Rectoral Decree (D.R.) no. 252/2016.

The activities shall be carried out under the supervision of a tutor, Scientific Responsible Prof. Pasquale Colonna in a non-subordinate relationship with no set working hours.

The main place of work will be: Department of civil engineering, environmental, Chemical, construction and territory of the Politecnico di Bari of the Politecnico di Bari, VIA ORABONA,4 , BARI, ITALY.

-n. 1 professional grant research fellowship, for the execution of research activities within the project entitled: "***Measuring sustainable urban regeneration***", according to the annexed Activity Programme:
"The issue of sustainable urban regeneration, in its forms of policies, instruments and governance, is becoming increasingly important in disciplinary terms and constitutes an increasingly frequent ground for comparison between good practices at national and international level. The measurement of the effectiveness of urban regeneration is therefore one of the determining factors, both in the planning phase and in the monitoring phase, for the accurate modelling of strategies and in order to achieve an effective increase in urban quality and activate self-learning processes in regeneration policies. Within this framework, research will be aimed at providing a review of the recurrent urban regeneration strategies for contemporary cities and at contributing to the definition of criteria for the comparability of interventions, in the threefold declination of the sustainability performance of urban regeneration (environmental, social and economic)".
The call for applications for the research fellowship issued pursuant to the University Regulation issued by Rectoral Decree (D.R.) no. 252/2016.

The activities shall be carried out under the supervision of a tutor, Scientific Responsible Prof. Francesca Calace in a non-subordinate relationship with no set working hours.

The main place of work will be: Department of civil engineering and architecture of the Politecnico di Bari, VIA ORABONA,4 , BARI, ITALY.

-n. 1 professional grant research fellowship, for the execution of research activities within the project entitled: "***DESIGN Knowledge INnovation for next INDustry 2 (DESIGN_KIND_2)***", according to the annexed Activity Programme:
"*This research is based on the theorical and practical field of the product design. The topic is part of a highly topical debate, ranging from redefinition of boundaries, methods and disciplinary practice (in relation with the outcomes of the fourth digital revolution), to the hypothesis of enhancing the enabling technologies for manufacturing systems (referred to medium, small and very small realities).*
The reference scenario is that of the product design, focused on the role of Digital Manufacturing and Computational Design for the development of new skills. The desk research will start from the comparison of the literature and the methods of product design with those of the computational design field, arriving at a hypothesis of new methodology for the project. The field research will be dedicated to the development of a "tool" system able to systemize the parametric variational method of three-dimensional modeling with the need to offer the plastic sector (with particular the rotomoulding and blow-molding production methods) opportune flexibility and possibility. to offer innovative products in line with the expectations of end users."
The call for applications for the research fellowship issued pursuant to the University Regulation issued by Rectoral Decree (D.R.) no. 252/2016.

The activities shall be carried out under the supervision of a tutor, Scientific Responsible Prof. Annalisa Di Roma in a non-subordinate relationship with no set working hours.

The main place of work will be: Department of civil engineering and architecture of the Politecnico di Bari, VIA ORABONA,4 , BARI, ITALY.

-n. 1 professional grant research fellowship, for the execution of research activities within the project entitled: "***Evaluation of the vulnerability of classical columns and colonnades in stone and proposals for interventions for risk mitigation***", according to the annexed Activity Programme:
"*The research focuses on the study of the static and dynamic behavior and on the modeling of historical and monumental "macroblocks" masonry structures in order to fill the regulatory and technical scientific vacuum in the field of static safety and dynamic vulnerability of archaeological structures, and to allow an initial identification of operational guidelines for restoration and structural recovery interventions. The scientific activity is divided into:*
1- study of the state of the art on the mechanics of multi body systems and columns (rocking, sliding and twisting phenomena) and the Distinct Element Method (DEM) for modeling;
2- realization of laboratory tests for the validation of the numerical models. The realization of the prototypes will also take place through 3D-printing
3- drafting of a real protocol to be followed for the preliminary and detailed assessment of the seismic vulnerability of these structures, taking into account the influence of both "imperfections" (breakages and / or chipping along the edges of the blocks, breakage of the blocks , etc.) and constructive details of any connection elements between the blocks
4- proposal of operational solutions that reduce the "long-term" seismic vulnerability of such structures and are technically and technologically compatible with the current archaeological culture to maximize the integrity of the ancient material."
The call for applications for the research fellowship issued pursuant to the University Regulation issued by Rectoral Decree (D.R.) no. 252/2016.

The activities shall be carried out under the supervision of a tutor, Scientific Responsible Prof. Dora Foti in a non-subordinate relationship with no set working hours.

The main place of work will be: Department of civil engineering and architecture of the Politecnico di Bari, VIA ORABONA,4 , BARI, ITALY.

-n. 1 professional grant research fellowship, for the execution of research activities within the project entitled: "***New Forms of Living. Co-Living/Co-Working***", according to the annexed Activity Programme:
"*The research investigates the new dialectic between individual and collective forms of living. Social mobility and computer-based work have transformed domestic space, making designers rethink the*

paradigms of the residence. The model of collective housing also implies the definition of new places for common work within the multipurpose block. The research will analyse co-living, living/working, and co-working models. It will develop theoretical-practical tools, with ARCA Puglia Centrale, to respond to the needs of contemporary domestic space, raging between private and semi-public conditions, indoor domesticity and outdoor urbanity, domestic life and production. On the building scale it is proposed to rethink the distribution and structural apparatus of the building, identifying housing solutions along with collective spaces (co-living). On the scale of the block, the relation between the building and the public areas of the block, and the city as well, will be considered"
The call for applications for the research fellowship issued pursuant to the University Regulation issued by Rectoral Decree (D.R.) no. 252/2016.

The activities shall be carried out under the supervision of a tutor, Scientific Responsible Prof. Anna Bruna Menghini in a non-subordinate relationship with no set working hours.

The main place of work will be: Department of civil engineering and architecture of the Politecnico di Bari, VIA ORABONA,4 , BARI, ITALY.

-**n. 1** professional grant research fellowship, for the execution of research activities within the project entitled: "***Distributed nanogrid***", according to the annexed Activity Programme:
"*The research project involves the study of the coordination of several intelligent nanogrids and how it can be used to modify the behavior of distribution networks in a smart city. Specifically, it intends to verify the impact on the electrical network and/or other related infrastructures, control actions or remuneration schemes, applied to distributed nanogrid-cluster in an urban environment. It is also proposed the development of a monitoring and control architecture that allows the integration of the simulation tools of the electrical networks with the existing microgrid inside the LabZero of the Politecnico di Bari, allowing a test of the possible automatic interaction between the two systems, verifying their feasibility both from the point of view of the power response of the devices involved, and of the communication and control systems (co-simulation approach). The results obtained will be projected on a large scale, in order to assess the impact that a growing level of penetration will have on primary and secondary distribution networks*."
The call for applications for the research fellowship issued pursuant to the University Regulation issued by Rectoral Decree (D.R.) no. 252/2016.

The activities shall be carried out under the supervision of a tutor, Scientific Responsible Prof. Massimo La Scala in a non-subordinate relationship with no set working hours.

The main place of work will be: Department of electrical and information engineering of the Politecnico di Bari, VIA ORABONA,4 , BARI, ITALY.

Requirements for candidacy

The selection is open to candidates in possession of the following qualification:

Research title	**Access requirements**
THE RE-CONSTRUCTION OF THE FORM OF PUBLIC CITY. Compositional and design strategies for urban and architectural regeneration of public housing districts	Degree in Architecture Language English
Models for integrated transport systems networks design based on equity and social inclusion	Degree in Civil Engineering or Environment and territory Language English
Mitigation of turbophoretic effects on particles distribution using electric fields	Degree in Mechanical Engineering Language English

Nanoscale broadband spin-transfer torque microwave detectors	Degree in Engineering, Mathematics, Physics Language English
Intelligent Robot Swarms for Patrol and Surveillance Applications	Degree in Mechanical Engineering Language English
Diagnosis of slope-atmosphere interaction for the assessment of the efficacy for landslide risk mitigation of deep-rooted vegetation	Degree in Civil engineering, curriculum geotechnic al engineering Language English
Study of High Energy gamma ray sources using Cerenkov telescopes	Degree in Physics Language English
Automatic monitoring, Simulation and Mixed Reality for Industry 4.0	Degree in Engineering, Physics, Computer science Language English
Study and application of scientific methods for implementing traffic calming measures in urban environment	Degree in Civil or Environmental engineering Language English
Measuring sustainable urban regeneration	Degree in Architecture Language English
DESIGN Knowledge INnovation for next INDustry 2 (DESIGN_KIND_2)	Degree in Architecture Language English
Evaluation of the vulnerability of classical columns and colonnades in stone and proposals for interventions for risk mitigation	Degree in Civil/civil engineering, building/masterly engineering in building systems Language English
New Forms of Living. Co-Living/Co-Working	Degree in Architecture Language English
Distributed nanogrid	Degree in Electrical engineering Language English

Candidates must possess the admission requirements on the deadline for submission of applications laid down in this call.

The selection is not open to any persons who are related by blood or by marriage up to the fourth degree, to a professor working in the department or structure for which the call is issued, or to the Rector, Director General or a member of the Board of Governors of the University.

The selection is also not open to anyone who has held research fellowship contracts with any institution, pursuant to Italian Law no. 240/2010, for a period which, summed to the foreseen duration of this contract, exceeds a total of 6 years, excluding any period in which the contract coincided with a PhD without scholarship, for the maximum limit of the legal duration of the PhD programme.

Furthermore the selection is not open to anyone who has had research fellowship or fixed-term researcher contracts at the Politecnico di Bari or any other state-funded, private-funded or distance-learning Italian university pursuant to articles 22 and 24 of Italian Law 240/2010, or with any other body listed in paragraph 1 of Art. 22 of Italian Law 240/2010 for a period which, summed to the foreseen duration of this contract, exceeds a total of 12 years, even if not consecutive. For the purposes of the duration of the above-described periods, in compliance with the laws in force any periods of maternity or sick leave shall not be calculated.

Application

The application for selection, in a sealed envelope and bearing the title indicated in the call for proposal for the Research Fellowship, addressed to the magnificent Rector of Politecnico di Bari, via Amendola 126/b , 70126 Bari, Italy, drawn up on unmarked paper (according to the annexed model), shall be delivered not later than **18/05/2018**.

Any applications received beyond the deadline will not be accepted.

The application may be presented:

- Shipping by registered mail with return receipt, not later than **18/05/2018** at: Politecnico di Bari, Via Amendola n. 126/B, 70126 Bari (Italia);
- Shipping by e-mail PEC at: Politecnico.di.bari@legalmail.it not later than **18/05/2018**.
- delivered by hand at Protocol Office of Politecnico di Bari ,Via Amendola, 126/b - 70126 Bari – not later than **18/05/2018** at the following times: Monday. – Thursday From 10.00 to 12.00, Tuesday from 15,00 to 16,30

The structure shall assume no liability for the non-delivery of correspondence which is not the result of errors made by its own staff.

In the application the candidates must, under their own responsibility, indicate:

- surname and name;
- date and place of birth;
- nationality;
- residence and chosen address for correspondence for the purposes of this selection;
- that they do not have a criminal record and are not involved in any current criminal proceedings (or if so, state which);
- that they possess the qualification of..... in ....., obtained from..... on (date)..... (indicate the qualifications required as stated in article 2 of the call for applications

or

- that they possess an academic qualification obtained abroad, which is deemed equivalent.

The candidates in possession of a qualification obtained abroad must annex to their applications a translation into Italian of their foreign qualification, accompanied by a sworn statement that it is a faithful translation of the original certificate.

The foreign qualification may be declared admissible by the Evaluation Board, solely for the purposes of admission to the selection procedure.

In case of award, the winning candidates having obtained their qualification in a country outside of the European Union, must provide the Structure, in the same manner as laid down for the presentation of applications, the official translation with a declaration of value of the foreign qualification issued by the competent diplomatic representation or Italian consulate in their home country, in accordance with the applicable laws.

Candidates must enclose the following with their applications:

- their scientific and professional curriculum vitae;
- thesis;

- certificates of all qualifications to be assessed according to art. 3 of this call for applications. Academic and professional qualifications issued by Italian public administrations must be self-certified or submitted in an unstamped photocopy, as provided for in art. 15 of Italian law no. 183/2011, by way of a simple declaration of certification pursuant to articles 46 and 47 of Italian Presidential Decree (DPR) 445/2000.

Candidates are admitted to the selection procedure with reserve.

At any time, even after participation in any tests, the Administration may, with justification, exclude them from the selection procedure. The concerned candidate will be notified of such exclusion.

Comparative assessment of the candidates and the Evaluation Board

The candidates will be assessed comparatively by a Commission appointed by a Rectoral Decree, and formed by three professors of Politecnico di Bari.

The selection procedure focuses on the examination of the selection criteria laid down in advance by the Commission, the candidates' scientific-professional curriculum and the scientific work and publications resulting from the documents enclosed with the application as well as an interview, aiming to verify the suitability of the candidate for carrying out the research programme.

During the interview, the Commission will also verify the candidates' knowledge of the foreign language(s) required in the announcement on relevant sectoral topics.

Only for candidates residing or domiciled outside the Italian territory, upon their request, the oral exam may be held also by using Skype. These applicants have to prove their identity to Commission by showing the colour ID document already attached in the application. In that case these candidates will also have to produce, together with the documentation pursuant to art. 3, Annex C duly filled.

Notice about date and location where the oral examination will be published on the online register praetorian (Albo pretorio) of the Politecnico of Bari.

To be admitted for interview, the candidates must show a valid ID document.

At the end of the selection procedure, the Board will draw up a list of candidates with relative scores, and the final ranking of the selection will be published on Politecnico's online register praetorian by a Rectoral Decree.

If two candidates receive the same scores, preference will be given to the younger candidate.

The successful candidate has to send to Protocol office of Politecnico di Bari, Via Amendola n. 126/B, 70126 Bari, within 15 days starting from the day after of final ranking publication the following documents:

a) declaration of acceptance of the research fellowship, by filling up the form available on www.poliba.it/Ricerca/Assegni di Ricerca;

b) photocopy of ID documents

c) photocopy of Italian fiscal code (if availble).

Duration and amount of the contract

The contract has a duration of 12 months and may be renewed and/or extended in the terms laid down in the University Regulation concerning research fellowships, as issued by D.R. no. 252/2016.

The gross amount of the research fellowship contract is € 19.367,00 (professional), per annum. The amount is exempt of withholding tax and includes all statutory social security charges the Research Fellow is subject to.

The amount will be paid in deferred monthly payments.

Non-accumulation, incompatibility, leave

1. The position of research fellow is incompatible with the following positions:

a) fixed-term and full-time staff employed by the bodies listed in art. 22 para. 1 of Italian Law no. 240/2010;

b) persons employed by any private bodies, on a fixed term, permanent or part-time basis; For staff of any Public Administration other than those listed in letter a) refer to the provisions of point 2 below;

c) persons with fixed-term research contracts with any university;

d) adjunct professors with official teaching responsibilities in degree programmes or specialisation schools in any university;

e) persons enrolled in any first, second or single cycle degree programmes, PhD programmes with scholarships or specialisation school. Self-funded research contracts are compatible with enrolments in non-medical specialisation schools, for which no study grant or contract is foreseen or master's degree only where authorised in advance by the structure Director, and having sought the opinion of the tutor.

f) persons awarded research fellowships at any other body.

2. Employees of public administrations other than those listed in point a) with a fixed-term, permanent or part-time contract shall take unpaid leave of absence for the whole period of the research contract.

3. Freelance professional activities are compatible with the research fellowship contract where authorised in advance by scientific responsible and having verified that the activities in addition to the research fellowship do not prejudice the regular execution of the contract.

4. The accumulation of the research fellowship contract with study grants awarded for any purpose is not permitted, with the exception of those granted by national or foreign institutions for the purposes of integrating the research activities with study periods abroad.

5. The above requirements must be possessed from the moment of entry into force of the contract. The winning candidate shall sign a specific affidavit undertaking to notify the department of any variations in the declared situations as soon as they occur.

Reference norms

For any matters not laid down in this call for applications, refer to the "Politecnico di Bari Regulation for the awarding of grants for cooperation in research activities" by Rectoral Decree no. 252 dated 05.07.2016 and other statutory regulations in force.

The personal data provided by the candidates in their applications, pursuant to articles 7 and 13 of Italian Legislative Decree no. 196 of 30.06.03, shall be processed for the purposes of managing the selection procedure and the contract.

This call for applications will be published on the Politecnico di Bari Portal, on the MIUR website.

Date, 17/04/2018

Signed by The Rector
Prof. EUGENIO DI SCIASCIO