



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. 760/2019

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: “**Decohesion and localization effects in nonlinear thermoelasticity**”, according to the annexed Activity Programme:

“The dynamic study of thin elastic bodies interacting with cohesive forces, of strong interest in various technological fields, leads to the formulation of non-linear evolution problems of the hyperbolic and dispersive type of which we intend to study the properties of solutions even in the presence of discontinuities in the interaction term (decohesion). This discontinuity causes, in general, the loss of regularity and uniqueness of the solution, making the evolutionary problem (propagation of the decohesive fronts under cyclic thermoelastic loads) non-trivial. The theoretical and numerical results of the proposed studies, within a consolidated research line of the proposer, will be experimentally validated through tests on devices of technological interest and in particular within a project currently active in the PoliBA of study of recycling of panels photovoltaics through cryogenic thermal processes”.

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 Maria Coclite 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: “**Context-Aware Recommender Systems for Pervasive Multimedia Systems**”, according to the annexed Activity Programme:

“The main objective of the project is the study of new techniques and algorithms for the management and distribution of multimedia content in pervasive contexts. Within the project, the researcher will be in charge of the development of new algorithms and techniques to mitigate the issues related to the specific domain with the aid of contextual information or via the exploitation of high level features.”

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. Tommaso Di Noia 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: “**Synthesis and characterization of polymer supported metal nanoparticles as recyclable**

catalysts in the field of Green Chemistry and Environmental Remediation", according to the annexed Activity Programme:

"The development of new catalysts for efficient synthesis of fine chemicals and degradation of toxic compounds is a key issue for both academic and industrial communities. In our research group, an insoluble palladium catalysts (Pd-pol) was obtained by copolymerization of the metal containing monomer Pd(AAEMA)₂ [AAEMA-deprotonated form of 2- (acetoacetoxy)ethyl methacrylate] with ethyl methacrylate and ethylene glycol dimethacrylate, followed by in situ reduction of Pd(II) to Pd(0), to give polymer stabilized Pd nanoparticles. We successfully employed Pd-pol as recycle catalyst for several organic reaction (such as, C-C bond forming reactions, degradation of toxic nitroarenes, upgrading of biooils, etc.), also using water as the solvent. Based on our expertise, the aim of the present project stands in preparing new recyclable catalysts like Pd-pol, supporting this time metals much cheaper than Pd, such as nickel, cobalt and copper. The new catalysts will be used for both synthesis of fine chemicals and environmental remediation, i.e. degradation of PCBs in polluted soils and sediments, hydrodeoxygenations of pyrolysis oils coming from biomasses."

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. Pietro Mastrorilli 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 the architecture of the Hellenistic-Roman Magna Graecia with particular regard to the Tarantine area"**, according to the annexed Activity Programme:

"The research focuses on the analysis of the architectural history of Magna Graecia in the Hellenistic-Roman period, with particular regard to Taranto, polis whose influence in the Hellenistic world has not yet been defined in detail. The survey will focus on the morphological aspects of the building typologies of the area, through the study of architectural decoration and its specific features. The proposal appears innovative, since the impact in the southern Italy and in the Mediterranean of the Tarantine architectural production of the Hellenistic-Roman age is still to be largely evaluated. The research, in addition to the reference models, will try to identify the workers and their origin, in an area that still today boasts an important tradition in stone processing. A complete investigation can therefore be made, also taking into account the building yard organization as a further interpretative tool to understand the social and cultural dynamics of the 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. Giorgio Rocco 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: **"Development of non-parametric methods for non -stationary detection of extreme events"**, according to the annexed Activity Programme:

"The proposed research is focused on the evaluation of climate change effects on the hydrological analysis of extreme events, with particular reference to regional approaches. In a first phase the work will be dedicated to the estimation of trend and change points on series of annual maximum values and dependence on a parent distribution; in a second phase a sensitivity analysis on the power of trend detection tests will be developed; finally in a third phase the probability distributions for the statistical analysis of the annual maximum values will be improved, with reference to the non-stationary processes; in particular statistical distributions characterized by trend and correlation structure, will be applied with the aim to define the more appropriate procedures to represent the non -stationary processes at local and at regional scale."

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. Vito Iacobellis 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: ***“Designing materials and roughness for the optimal control of attachment/detachment behaviour of dry structural adhesives”***, according to the annexed Activity Programme:

“The aim of the research is developing predictive theoretical models for the analysis and prediction of the tribological properties of regular and randomly rough surfaces. The intent is to define suitable design strategies in order to optimize and control surface adhesive properties, for the purpose of obtaining micro-textured substrates with a preferential direction of adhesion, which can be exploited, for examples, in applications where manipulation or locomotion are required. Furthermore, design will be also aimed at evaluating the use of materials that may alter their mechanical properties for actively controlling compliance. The intent is their utilization in dry adhesive systems, where adhesion reversibility is an important requirement, as in microscale applications.”

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. Luciano Afferrante 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: ***“Artificial intelligence and big data techniques for the analysis of data collected by the CMS experiment at the LHC for the observation of the Higgs boson in vector boson fusion production mode”***, according to the annexed Activity Programme:

“The project consists of using machine learning and big data for the analysis of the data collected by the CMS experiment at the LHC in order to derive an optimal discrimination of the signal of the production of the Higgs boson via a vector boson fusion mechanism, from the background. The final state includes two jets close to LHC beam line of the protons and a Higgs boson decaying in two Z boson and then in four charged leptons. The researcher is asked to analyse the structure of the data and use them for the training of the machine learning algorithms both for the best configuration and for the best discrimination of the signal from the background. The usage of “deep neural networks”, “artificial neural networks” e “boosted decision trees” techniques need to be explored by the researcher, by optimizing and automatizing the workflow to extract the largest number of irrelevant information. All the data collected by CMS in the last few years need to be analysed in order to derive a measurement of the cross section of the production of the Higgs boson in the topology studied.”

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 De Filippis 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: ***“Augmented Reality Supported Active Ageing System (ARSAAR)”***, according to the annexed Activity Programme:

“The ARSAAS (Augmented Reality Supported Active Aging System) project, through the maintenance of the working ability of older workers in industrial contexts, aims to tackle the problem of progressive demographic aging. ARSAAS integrates 3 technologies: the Augmented Reality (Mixed and/or Spatial), the “video summarization” (summary of video streams) and the methods for assessing postural ergonomic risk with the aim of: supporting the operator with direct visualization on the place of work of technical, virtual and multimedia, contextual and geo-localized information; acquire video recordings of the task execution procedures, constituting a “digital memory” in support of the training and production phases; provide a non-intrusive system for monitoring the assumed postures and capable of giving warnings in real time and creating reports in order to adapt the tasks to the worker’s operational capabilities”.

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 Fiorentino 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: **“METHODS AND TECHNIQUES FOR THE SAVING SOIL ASSESSMENT”**, according to the annexed Activity Programme:

“Among the main objectives of the European Union there is the zeroing of the soil consumption by 2050. The short-term strategies outlined by the Member States of the European Commission and the numerous draft laws deposited in the Italian Parliament demonstrate the high attention to the issue of saving soil use in the territorial government policies. The aim of the research is to analyze the complex urban-economic dynamics that, currently, guide the urban transformation processes, in order to protect the natural resource, limited and non- renewable, through actions to contain land consumption. In particular, in the first research phase, the numerous strategies activated over the recent years as solutions for the saving soil will be studied and, starting from them, in the second part of the analysis, new technical tools for spatial assessment of territorial policies will be implemented and tested”

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. Carmelo Torre 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 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: **“Computational models with reduced order and development of probabilistic functions for the analysis of seismic fragility of buildings in ca and applications to case studies and regional scale”**, according to the annexed Activity Programme:

“The research work will be directed to the numerical definition of models in reduced order and to the seismic analysis of the latter through consolidated probabilistic approaches. The work will also be directed to the verification of the efficiency of the models produced in large-scale analysis, in addition to the investigation of the influence of the models themselves. The research will be divided into the following operational phase

- To deepen the main aspect related to the modelling of buildings on a territorial scale, based on the knowledge of “poor data” and observational information;

-Developing mechanical procedures that represent a good compromise between the complexity of index buildings and the simplicity of models to a degree of freedom. In this regard we mention the models “Reduced order”, as well as numerical models with a few degrees of freedom and intermediate solution to the two mentioned above;

- Develop vulnerability functions with probabilistic approaches. In this respect, the PBEE approach will be adopted, as well as the American regulatory approach;

-Probabilistically analyse the influence of individual modelling parameters on the results in terms of fragility and seismic vulnerability.”

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. Giuseppina Uva 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: **“Development of integrated ndt techniques for mechanical characterisation of components by innovative processes”**, according to the annexed Activity Programme:

“The activities will complete the project activities that co-finance the grant. In particular, a Design of Experiment will have to be carried out in relation to 3 activities in parallel on two selected study processes: hot selective molding and additive manufacturing:

1. Determination of methods of identification and measurement of thermophysical parameters that allow the evaluation of the effectiveness of heat treatments or of the additive manufacturing process using and integrating techniques of laser thermography and parasitic currents.

2. Fast fatigue thermographic characterization with TPA method. Specimens will be analyzed to verify the influence of the process on the fatigue characteristics and refinement of the technique.

3. Development of integrated thermography-ultrasound and parasitic currents for the detection of typical defects (porosity in particular) of the two selected processes.”

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. Umberto Galietti 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: **“Sustainable Demanufacturing process for PHotoVoltaic Panels (SUD -PVP)”**, according to the annexed Activity Programme:

“Planned research activity through modelling with numerical or simulative techniques and relative development of an adequate system aimed at acquiring new knowledge on the delamination process to fine-tune the original process of sustainable PVP demanufacturing. In particular, the best configuration of the components pertaining to the patent of the Politecnico di Bari must be defined [“Cryogenic process with controlled thermos-mechanical delamination for the complete recovery of mono or poly-crystalline or amorphous rigid materials coated with plastic materials (DE-CRYO) “(Patent: property of the Polytechnic of Bari R-BR-I-309/13/020 Int. Bureau of WIPO) [<https://iris.poliba.it/handle/11589/24598>]];] in order to allow the operation on an industrial scale, thus ensuring the repeatability of the process”

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 Dassisti 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: **“Design and development of optical fiber gratings for infrastructure monitoring”**, according to the annexed Activity Programme:

“Optical fiber gratings can be successfully employed in infrastructure monitoring. Moreover, they find application in a wide range of other applications. As examples, to measure torsion, displacement, strain rotation, vibration, acceleration, bending; in environment monitoring to measure temperature, pressure, gas, chemical contaminant; in biomedicine and medical diagnosis to detect biomolecules and chemicals in biological fluids. Well-known strong points of optical fiber gratings are the compactness, which allows their housing in mechanical parts of a large variety of devices and systems without affecting their operation, the minimum weight, the immunity to electromagnetic interference, the high sensitivity. The research activity

will be focused on the design of novel grating profiles hallowing higher performances. The process allowing the fabrication of the designed profiles via laser writing and the characterization will be investigated and experimented with equipment of Politecnico di Bari”

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. Francesco Prudeniano 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: **“SUSTAINABLE PACKAGING. Blue economy and zero waste for the local food industry”**, according to the annexed Activity Programme:

“The research intends to address the problems of food packaging. The pakaging sector constitutes approx. 25% of municipal solid waste and the food sector contributes a considerable share. In consideration of the role historically played by structural and communicative packaging, the research aims to promote two lines of innovation: one on innovative materials and one on the reduction of material used. It proposes a specific case study and a high problematic referring to the contemporary roasting sector present in the Apulian territory. It is therefore a question of putting into practice theoretical and practical activities in which collaboration with local companies, Valentino Caffè from Lecce, a local-leading company in the bar roasting and professional sector, plays an important role, through the definition of project scenarios that taking into account the case studies of international excellence, they will decline the possible “local” applications”

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. Rossana Carullo 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.

Requirements for candidacy

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

Research title	Access requirements
Decohesion and localization effects in nonlinear thermoelasticity	Degree in Mathematics, Physics, Engineering Language English
Context- Aware Recommender Systems for Pervasive Multimedia Systems	Degree in Computer engineering, Automation engineering, Telecommunications engineering Language English
Synthesis and characterization of polymer supported metal nanoparticles as recyclable catalysts in the field of Green Chemistry and Environmental Remediation	Degree in Chemistry Language English

Study of the architecture of the Hellenistic-Roman Magna Graecia with particular regard to the Tarantine area	Degree in Architecture Language English
Development of non-parametric methods for non-stationary detection of extreme events	Degree in Civil engineering Language English
Designing materials and roughness for the optimal control of attachment/detachment behaviour of dry structural adhesives	Degree in Engineering Language English
Artificial intelligence and big data techniques for the analysis of data collected by the CMS experiment at the LHC for the observation of the Higgs boson in vector boson fusion production mode	Degree in Physic Language English
Augmented Reality Supported Active Ageing System (ARSAAR)	Degree in Engineering, Physic, Information technology Language English
METHODS AND TECHNIQUES FOR THE SAVING SOIL ASSESSMENT	Degree in Architecture Language English
Computational models with reduced order and development of probabilistic functions for the analysis of seismic fragility of buildings in ca and applications to case studies and regional scale	Degree in Civil engineering Language English
Development of integrated ndt techniques for mechanical characterisation of components by innovative processes	Degree in Mechanical engineering Language English
SUustainable Demanufacturing process for PHotoVoltaic Panels (SUD -PVP)	Degree in Mathematics, Physic, Engineering Language English
Design and development of optical fiber gratings for infrastructure monitoring	Degree in Electronic engineering, Telecommunications engineering, Information engineering Language English
SUSTAINABLE PACKAGING. Blue economy and zero waste for the local food industry	Degree in Industrial design 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 **11/12/2019**.

Any applications received beyond the deadline will not be accepted.

The application may be presented:

- Shipping by recommended sending with return receipt, not later than **11/12/2019** 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 **11/12/2019**.
- Delivered by hand at Protocol Office of Politecnico di Bari ,Via Amendola, 126/b - 70126 Bari – not later than **11/12/2019** 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 available).

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, 11/11/2019

The Rector
Prof. Francesco Cupertino