



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

Rectoral Decree no. 109 /2021

Purpose

Applications are invited for the selection for the award of:

-n. 1 professional grant research fellowship, for the execution of research activities within the project entitled: *"Analysis of the adoption of the open innovation paradigm in the industrial context of the Metropolitan Area of Bari"*, according to the annexed Activity Programme:

"In the current competitive context, an increasing number of firms are adopting the open innovation paradigm to increase the effectiveness and the efficiency of their internal innovation processes. According to the open innovation paradigm, firms should use both internal and external knowledge inputs to sustain their innovative processes. The aim of the project is to analyse the main issues related to the adoption of open innovation strategies in the industrial setting of the Metropolitan Area of Bari. Indeed, understanding how firms may open their internal innovation processes to external stimuli may be undoubtedly beneficial for the same companies to increase their competitiveness, as well as to the whole local economy."

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 Metropolitan city of Bari, ITALY

-n. 1 professional grant research fellowship, for the execution of research activities within the project entitled: *"Sustainable development model of urban coastal area"*, according to the annexed Activity Programme:

"The research aims to analyze the pressure factors influencing sustainable development of urban coastal area and to define a developing model looking at social as well as economic interests. The starting point will be the definition of the perimeter of the stateowned areas, a theme which is only apparently obvious, but which often is affected by erosion and retreat of the shore line, which automatically involves the adjustment of the dividing state property. The second aspect to be covered concerns the development of risk models at a detailed scale, which allow to define the destinations of use of the different stretches of coast. Finally, the research will define a new paradigm aimed to mend the entire urban water front, actually considered as a set of hotspot unrelated to each other. On the contrary, a unitary vision of the coastal area constitutes the starting point for a real integrated coastal zone management, with particular reference to bathing and recreational area under the direct control of City Administrations, often devoid of conditions of safety, environmental and hygienic sanitary sustainability"

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-n. 1 professional grant research fellowship, for the execution of research activities within the project entitled: *"Definition and specification of ICT services for the electromobility based on Artificial Intelligence technologies and smart applications for mobile devices"*, according to the annexed Activity Programme:

"The project intends to create sharing services and supporting policies and incentives will be promoted. ICT tools will be implemented, including a brokering service and a booking service for electric vehicles and recharging points, an electric vehicle fleet monitoring tool."

The analysis will shed light on the real driving and charging models of electric vehicles, the problems encountered and the opinions and perceptions of users. A cost-benefit analysis will assess the potential use of the electric vehicle market. Sustainable business models will be proposed for sharing, renting, parking or paid services for electric vehicles and ICT tools implemented”.

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-n. 1 professional grant research fellowship, for the execution of research activities within the project entitled: “*Net Zero Energy Districts*”, according to the annexed Activity Programme:

“The research aims to develop a study for defining the main characteristics of an urban area which will be self-sufficient and autarkic from an energy viewpoint and will impact as less as possible on the environment. This scope can be implemented using the electric energy carrier and electro-technologies which are the most versatile and flexible and, consequently, can be the link with other energy carriers and converters. The study is also aimed at the optimization of energy performances verifying the possibility to adopt Net Zero o Quasi Net Zero Buildings, centralized services (heat pumps, e-mobility and V2X), thermal and electrical storage, renewables producing electricity locally or through Virtual Power Plants, smart grids. Technical economic feasibility will be also assessed”.

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-n. 1 professional grant research fellowship, for the execution of research activities within the project entitled: “*MODIFY & RE-MEAN THE URBAN PERIPHERY*”, according to the annexed Activity Programme:

“The following research proposal is intended to frame the experience of a urban regenerative project of urban peripheries within the concept: "MODIFICATION" & "RE-MEANING". The modification, in so fact as based on the basis of the project, defines the quality of an action - which, in acting in a pre-existing condition, tends to measure with the world of "finished things". In the case of peripheral urban realities (and therefore places where the categories of unity, organicity, homogeneity, compactness, seem to be overwhelmed by paradigms of the fragmentary, of the multiple, of hybrid, of dispersion) that "morphological" material-spatial condition from which it is intended to trace the hierarchical grammatical structure of the insediative architectural forms which request to be re-meaning through the experience of a project in the urban project " metropolitan”.

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-n. 1 professional grant research fellowship, for the execution of research activities within the project entitled: “*Analysis of the strategies of the urban commercial districts in the consolidated urban contexts of the Metropolitan City of Bari*”, according to the annexed Activity Programme:

“At present, local development strategies do not act in a shared way, disrupting the vision of cooperation between territories. The aim of the project is to analyze the effects and development methods of the strategies adopted in the new urban commercial districts, with particular attention to the consolidated urban areas in the Municipalities of the Metropolitan City of Bari. The sharing of local strategies, in an open source governance system, would favor transformations on a local scale, guaranteeing a development on a metropolitan scale. By identifying indicators,

which can illustrate the effects of strategic choices on the urban, economic and social fabric. The indicators identified may open up new reflections, for more competitive and sustainable urban-commercial strategies, to the advantage of the productivity of the same areas and of the entire metropolitan structure”.

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-n. 1 professional grant research fellowship, for the execution of research activities within the project entitled: *“Development and implementation of the Digital Agenda towards the transition to the Smart City”*, according to the annexed Activity Programme:

“The municipal Digital Agenda is an essential tool to allow an effective and efficient management of internal processes of the administration and those at the interface with citizens and, more generally, with the city. Its implementation is certainly a key element towards the transition of the city to a smart city where data, processes and people are part of a single ecosystem that revolves around the digitalization of information. The research fellow will study the progress of the digital agenda of the metropolitan city of Bari and evaluate its implementation in order to encourage the creation of a modern Smart City which is designed around the citizen”.

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Requirements for candidacy

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

- Degree in Engineering, Architecture or equivalents for the project entitled: *“Analysis of the adoption of the open innovation paradigm in the industrial context of the Metropolitan Area of Bari”*
- Degree in Engineering, Architecture or equivalents for the project entitled: *“Sustainable development model of urban coastal area”*
- Degree in Engineering, Architecture or equivalents for the project entitled: *“Sustainable Mobility”*
- Degree in Engineering, Architecture or equivalent for the project entitled: *“Net Zero Energy Districts”*
- Degree in Architecture or equivalents for the project entitled: *“MODIFY & RE-MEAN THE URBAN PERIPHERY”*
- Degree in Architecture or equivalents for the project entitled: *“Analysis of the strategies of the urban commercial districts in the consolidated urban contexts of the Metropolitan City of Bari”*
- Degree in Engineering, Architecture or equivalents for the project entitled: *“Development and implementation of the Digital Agenda towards the transition to the Smart City”*

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 A), shall be delivered not later than **12/03/2021**.

Any applications received beyond the deadline will not be accepted.

The application may be presented:

- Shipping by e-mail PEC at: politecnico.di.bari@legalmail.it not later than **12/03/2021**.

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:

- Thesis;
- Their scientific and professional curriculum vitae;
- Research proposal;
- Receipt of payment of € 25,82 in favour of Politecnico di Bari, Via Amendola n. 126/b, 70126 BARI - ITALY, by bank transfer to current account number: 4172 UBI Banca Spa, via Toma 12, 70125 Bari, IBAN IT45X0311104001000000004172, BIC: BLOPIT22.
- Colour copy of ID document;

- Annex C;

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.

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. 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 Politecnico di 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 € 19.364,00 (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 10/2/2021

The Rector
Prof. Francesco Cupertino