



**UNIVERSITÀ
DEL SALENTO**

**DIPARTIMENTO
DI INGEGNERIA
DELL'INNOVAZIONE**
Via per Monteroni
I 73100 Lecce



Innovative Tools for Cyber-Physical Energy Systems

NOTE: This is an unofficial translation of the original call available here:

https://www1.unisalento.it/bandi-concorsi/-/bandi/view/66046831?BandiPortlet_WAR_BandiPortlet5121_redirect=%2Fbandi-concorsi%3Fp_p_id%3DBandiPortlet_WAR_BandiPortlet5121%26p_p_lifecycle%3D0%26p_p_state%3Dnormal%26p_p_mode%3Dview%26p_p_col_id%3Dcolumn-1%26p_p_col_pos%3D1%26p_p_col_count%3D2%26_BandiPortlet_WAR_BandiPortlet5121_d-4677497-p%3D2&BandiPortlet_WAR_BandiPortlet5121_tipoBando=bandi_recenti&BandiPortlet_WAR_BandiPortlet5121_activeLink=bandi_recenti&BandiPortlet_WAR_BandiPortlet5121_idTipoFile=&BandiPortlet_WAR_BandiPortlet5121_showBox=1

This translation is brought to you by Prof. Massimo Cafaro, in order to simplify the application for foreign candidates. There should be no discrepancies, but, in case, we warn you that the Italian version is leading in the event of discrepancies.

Article 1
Research grants offered

A public selection procedure is called for a research grant for collaboration in research activities (hereinafter referred to as research grant), at the Department of Innovation Engineering of the University of Salento.

The location, the duration, the amount, the scientific disciplinary sector, the scientific referent, the structure available to the winner and the program of the research grant are specified below:

STRUCTURE	Department of Engineering for Innovation, University of Salento, Lecce, Italy
DURATION	3 years
REMUNERATION	The research grant will last 3 (three) years. The annual remuneration, gross of charges to be borne by the beneficiary and inclusive of contributions and social security charges to be borne by the University of Salento, consists of the following items: 1. Living allowance: Euro 40,966.56 (forty thousand nine hundred and sixty-six/56); 2. Mobility allowance: Euro 7.200,00 (seven thousand two hundred/00); 3. Family allowance: 3.1.Euro 0 (zero) per researcher without family obligations; 3.2.Euro 6,000.00 (six thousand/00) for researchers with family obligations (married or with a relationship recognised by Italian law or that of the country of origin or with dependent children).
SCIENTIFIC SUPERVISOR	Prof. Massimo Cafaro
RESEARCH TITLE	LARGE SCALE DATA MANAGEMENT AND INTEGRATION



DESCRIPTION	<p><i>This is a three year “Marie Curie ETN Early Stage Researcher position” on the following topic. The sheer quantum of data being created and collected across jurisdictions requires a carefully planned and proactive approach to data management. The need for fusion and integration of multiple data sources characterized by fragmented data ownership is driving innovative approaches to large scale distributed data management and integration to avoid inconsistent and inaccurate data. The aim is to investigate, design and implement a fully decentralized solution to provide efficient management of dynamically updated information and support for distributed queries. One or more domain specific use cases shall be identified within the context of the project, considering both the current and future needs of some of the involved partners. These nicely fit into the research plan, owing to the need of surveying the user’s requirements to begin with; simultaneously, the uses cases can also be thought of as sources of advanced data management challenges.</i></p>
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Article 2

Admission requirements

For admission to the selection is required the possession of all the requirements provided by law for access to public employment, the eligibility requirements provided by the Marie Skłodowska- Curie Action (https://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-msca_en.pdf) and the following requirements:

- a) **Master of Science degree in Computer Science or Computer Engineering or equivalent qualification that formally allows access to a PhD program in Italy;**
- b) **an excellent academic career;**
- c) **must not have carried out more than 4 years of research activity after obtaining the degree mentioned in the previous point within the expected starting date of the contract (indicatively fixed at 01.03.2022);**
- d) **have a background relevant to the following areas but not limited to: distributed computing, databases, distributed data management, security and privacy; knowledge of C/C++ programming languages and time series archiving/analysis is a plus;**
- e) **must not have a Ph.D. as of the contract start date;**
- f) **must not have resided or carried out the main activity of study/work in Italy for more than 12 months during the 3 years preceding the date of the beginning of the contract;**
- g) **have an excellent knowledge of the English language, in any case sufficient to ensure the performance of the activity envisaged by the contract and daily interaction in the working environment;**



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h) must not have criminal convictions or have pending criminal proceedings of particular gravity.

Lack of even one of the above requirements will result in exclusion from the selection process at any time. Qualifications obtained abroad must normally be previously recognized in Italy in accordance with current legislation. The equivalence of qualifications obtained abroad that have not already been recognized in Italy will be evaluated by the Selection Committee solely for the purpose of admitting the candidate to this call for selection. The qualifications must be possessed on the date of expiry of the deadline established for the presentation of applications for admission to this selection. The University of Salento guarantees equality and equal opportunities between men and women for the allocation of the grants in question and the protection of confidentiality in the processing of personal data, according to the provisions in force.

Article 3

Application form and deadline for submission

The application to participate in the selection process, drawn up on plain paper according to the attached form (attachment no. 1) must be addressed to the Director of the Department of Engineering for Innovation of the University of Salento and sent from the applicant personal e-mail to the address: dip.ingegneria.innovazione@cert-unile.it.

The application, under penalty of exclusion, must be received by this University within the peremptory term of 30 (thirty) days starting from the day following the date of publication on the Official University Register. This administration will not consider any applications received after that deadline.

The application, together with the certifications/documents for which a signature is required, under penalty of exclusion, must be signed digitally or in autograph form, together with a copy of the identity document of the signer.

The subject of the e-mail message must include the following wording: ***“Domanda di partecipazione al concorso per un assegno di ricerca SSD ING-INF/05- responsabile scientifico prof. Cafaro – D.D. n.152/2022”***.

Note: in the Italian version of this document, the number (152/2022) of the D.D. (directorial decree) is not specified. However, it is fully specified in the call web page under the “TITOLO” (title) section.

This Administration will not consider any applications received after the deadline of this announcement.

The Administration assumes no responsibility for the loss of communications due to inaccurate indication of the address by the competitor or failure, or late notification of change of address indicated in the application, nor for any postal or telegraphic errors or otherwise attributable to third parties, unforeseeable circumstances or force majeure.

Applicants with disabilities, pursuant to Law n. 104 of 05/02/1999, must make an explicit request, duly documented, in relation to their disability, if they deem it necessary to use special assistance.

In the application the candidate must declare, pursuant to Articles 46 and 47 of Presidential Decree 28/12/2000, n. 445, under his personal responsibility as follows:

a) name, surname



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- b) date and place of birth;
- c) the residence and citizenship possessed;
- d) the enjoyment of civil and political rights in the State of origin;
- e) that they have never received criminal convictions and that they have no criminal proceedings in progress. Otherwise, indicate the convictions reported, the nature of the offense, the date of issuance of the sentence of the judicial authority (to be indicated even if an amnesty, judicial pardon, pardon, non-mention, etc. has been granted), and even if nothing appears on the criminal record. Criminal proceedings must be indicated whatever their nature;
- f) possession of the admission requirements;
- g) not to have a degree of kinship or affinity up to and including the fourth degree, or of marriage with a professor belonging to the Department of Innovation Engineering, as well as with the Rector, the General Director or any member of the Board of Directors of the University;
- h) not to be in one of the other situations of incompatibility outlined in art. 6 of this public notice;

The following documentation must be attached to the application:

- a) substitutive declaration of certification, pursuant to D.P.R. 445/2000 in relation to the degree obtained, with indication of the marks reported in each single exam and in the Laurea degree, as well as the date of graduation;
- b) a list of qualifications/title, specialization diplomas and certificates of attendance of post-graduate specialization courses, obtained in Italy or abroad; scholarships or research assignments both in Italy and abroad; thesis; other qualifications that the candidate deems useful for the purposes of the competition;
- c) curriculum vitae of the scientific and professional activity dated and signed, with the explicit declaration that "Everything stated herein is true, pursuant to D.P.R. 445/2000"
- d) a list of publications (dated and signed);
- e) copy of a valid identification document, with handwritten signature;
- f) publications that the candidate wishes to submit for evaluation by the Commission;

The titles attached by the candidate to the application for participation in the competition must be produced in a true copy of the original pursuant to Presidential Decree no. 445 of 28 December 2000, or with a declaration in lieu of affidavit pursuant to the same Presidential Decree no. 445/2000, attesting to the possession of the titles.

The Administration reserves the right to carry out appropriate checks on the truthfulness of the statements in lieu of affidavit contained in the application form and in the curriculum.

The following are reasons for exclusion from the selection:

- submission of the application after the deadlines set out in art. 3;
- submission of the application in ways other than those indicated in this announcement;
- failure to sign the application, in handwritten form or digital signature;
- failure to meet the admission requirements pursuant to art. 2 of this announcement;
- failure to indicate in the substitutive declaration of certification the absence of the incompatibility situations referred to in Articles 2 and 3 of this announcement.



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Article 4 **Selection**

The selection is based on a comparative evaluation of the titles and publications presented by the candidates related to the research program and to the scientific-disciplinary sector of the grant, followed by an interview.

The Selection Committee, made up of highly qualified experts, also external to the University of Salento, without any additional charge to the University budget, is appointed by the Director of the Department of Innovation Engineering, after having obtained the opinion of the Department Council.

The Director of the Department, having ascertained the possession of the requirements provided for by the call by the candidates who have applied, transmits the applications of the candidates, accompanied by the attachments, to the Selection Committee.

For the purposes of the formulation of the ranking list, the Commission has 60 (sixty) points to be distributed for the evaluation of qualifications, publications and interview. No less than 40 (forty) points must be allocated to the evaluation of the titles and publications.

The evaluation of the qualifications must precede the interview and the results must be made known to the candidates before the oral test by posting on the bulletin board of the structure where the competition takes place or publication in the appropriate section of the departmental web portal. The Commission may meet telematically using the telematic tools suggested by the University of Salento itself for teledidactics. The Commission, in its first meeting, establishes and acknowledges in the appropriate minutes: the distribution of the score among the elements that can be evaluated; the evaluation criteria and the attribution of the scores to the titles and publications as well as the minimum score to be achieved for the assignment of the grant.

At the end of its work, the Commission draws up the minutes containing the evaluation criteria, the judgments, the overall score given to each candidate and the ranking list. The pdf of the minutes prepared by the Commission will be digitally signed following the guidelines of the University of Salento.

If it is not possible to do the interview in person, the candidate accepts from now on the possibility to do it telematically, using the same modalities used by the University of Salento to take profit exams, following the indications that will be provided by the same Department to all candidates admitted to the oral test.

The merit list of the candidates is formed according to the overall score, reported by each candidate, given by the sum of the score achieved in the evaluation of each assessable element.

The Commission establishes the merit list in descending order. In the event of equal merit, the candidate with the youngest age is preferred.

The ranking is approved by Decree of the Director of the Department of Innovation Engineering.

Article 5 **Winner's obligations**

The winner of the selection process will enter into an independent private employment relationship with the Department of Innovation Engineering by signing a private contract for a fixed-term period of the duration indicated in art. 1 above. The contract is not considered as a subordinate work contract.

The established relationship does not give rise to any rights regarding access to the roles of the University of Salento or to the roles of personnel of Italian universities and university institutes.

The winner is invited to sign the contract within 20 (twenty) days from the communication of the assignment of the grant. Failure to sign the contract within this period is equivalent to irrevocable renunciation of the grant and entails forfeiture of the assignment.

The cheque shall take effect irrevocably from the first day of the month following the month in which the contract was signed.

In the event of renunciation on the part of the assignee or failure to sign the contract within the deadline indicated above, the grant may be awarded to the candidate who has been found suitable according to the order of the ranking list.



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The winner of the selective procedure will be asked to certify, according to current regulations, the following states, facts and personal qualities:

- 1) the date and place of birth;
- 2) enjoyment of civil and political rights in the country of origin or nationality;
- 3) possession and number of tax code.

The winner must also declare that he/she has not been convicted of any criminal offenses; if this is not the case, the winner must certify the convictions, the date of the sentence handed down by the judicial authority that issued the sentence (even if an amnesty, pardon, indulgence, non mention, etc. was granted, and even if nothing appears on the judicial record). Criminal proceedings must be indicated whatever their nature. Foreign citizens must also certify that they have not been convicted of any criminal offenses in their country of citizenship or in Italy.

The winner must be able to carry out the research program; in the presence of disability, he/she must produce a legalized declaration by a health official proving that the disability, by nature and degree, is compatible with the activities to be carried out, with the work environment and with the equipment to be used and that there is no prejudice or risk to his/her own health and safety and that of the other researchers.

This is without prejudice to the provisions of Legislative Decree 09/04/2008, no. 81 regarding health surveillance.

The states, facts and personal qualities that may be self-certified by the winner of the present selection procedure will be subject, by the University of Salento, to appropriate checks, also by sampling, regarding the truthfulness of the same.

The winner, under penalty of forfeiture of the right to the grant, must:

- a) produce documentation attesting to the placement on unpaid leave for the duration of the contract if in service with public administrations;
- b) present a declaration of option for the grant if he/she is working as a freelance professional or has incompatible work relationships.

Before the stipulation of the contract the winner may request authorization to continue the activities deemed not absolutely incompatible in art. 6. In case of negative opinion the winner must cease the activity, under penalty of forfeiture of the right to the grant.

The winner who, within the deadline set by the administration, does not declare his acceptance or does not take up his duties, forfeits the right to the allowance.

Only delays due to serious health reasons or cases of force majeure can be justified.

Any postponement of the date of the start of the activity and of the allowance will be allowed to those who can prove to be in the conditions provided for by Legislative Decree 26/03/2001, n. 151 on the protection and support of motherhood and fatherhood.

If, for a justified reason, the winner takes up his duties late, the economic effects will start from the day he takes up his duties.

Article 6

Prohibition of accumulation, incompatibility, expectations and interruptions

The allowance is individual. Beneficiaries may not combine it with income from professional activities or employment relationships. For the entire duration of the grant, it is forbidden to engage in freelance activities.

The research collaborator, with the prior authorization of the scientific referent, may take on teaching assignments or perform freelance work of an occasional and limited nature. It is excluded the assignment of self-employment contracts, even occasional, by the University for the conduct of research activities. The ownership of the research grant is incompatible with employment relationships, even part-time, with private subjects.

The grant cannot be combined with scholarships of any kind, except with those granted by national or foreign institutions useful to integrate, with stays abroad, the research activities of the grant holder.



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The ownership of the grant is not compatible with the participation in degree courses, specialist or master's degree, PhD with scholarship or medical specialization, in Italy or abroad, with the participation in university masters and involves the placement on unpaid leave for the employee in public administration even if working part-time. With the prior authorization of the Scientific Referent, the holder of the grant may carry out a working activity involving services rendered free of charge at voluntary associations or cooperatives with non-profit social welfare, provided that the full performance of their research duties.

Compatibly with the research activities assigned to them and subject to the favorable opinion of the Scientific Advisor and authorization of the Departmental Council, the holders of grants may participate in the execution of research and consultancy on behalf of third parties commissioned to the University pursuant to art. 66 of the D.P.R. 382/80 and the distribution of its proceeds in the manner established by the regulations in force.

Article 7

Rights and duties of the research grant holder

The holder of the grant is used exclusively in research activities provided for in the contract and previously evaluated by the Department as compatible with the research programs of the Department itself.

The holder of the check can disseminate the results of the research only with the permission of the scientific contact or the Department.

The research activity will be carried out mainly at the University of Salento, within the framework of the european InnoCyPES project which includes: i) participation in schools and workshops organised within the framework of the project; ii) internships at other research centres, industries and institutes in Italy and/or abroad; iii) any other obligation foreseen in the framework of the "Marie Curie Initial Training Networks" Actions of the European Community.

In any case, the holder of the grant must not be used in activities of mere technical support within specific research programs.

The Department provides the holder of the grant the necessary support for the realization of its research program by ensuring access to equipment, resources and the use of technical and administrative services.

The cheque holder is required to adopt safe working procedures at all times, in accordance with the legislation and, in particular, to take the necessary precautions from a health and safety point of view.

The holder of the check within the first 10 days of the last month of each year and / or within 10 days after the end of the contract, is required to submit to the Department Council a detailed report on the research activity carried out, endorsed by the scientific referent.

In the case of serious failures (unjustified suspension of activity for a period longer than ten consecutive days, violation of the rules on incompatibility), the contract is terminated by the Director of the Department with its own measure.

Against the measure of termination of the contract, the interested party may appeal to the Academic Senate, which makes the final decision.

Without prejudice to the provisions of art. 10 of this announcement, the research activity and the grant may be suspended, in the cases provided by law, for pregnancy and serious illness. The entire duration of the grant cannot be reduced due to the aforementioned suspensions.

A total period of justified absence not exceeding thirty days in a year does not constitute suspension and, consequently, is not to be recovered.



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Article 8

Monitoring and evaluation of the activity carried out

The Department Council within 10 days of receipt of the report, drawn up by the holder of the check in accordance with art. 7 above, on the basis of a reasoned opinion of the Scientific Advisor, expresses an opinion on the activities carried out by the holder of the check. In case of negative judgment the contract is terminated by right.

Article 9

Health monitoring

The Director of the Department at which the research grant is awarded is responsible, in accordance with the University Regulations for the implementation of the rules for the safety and health of workers (D.R. n. 1029 of 09/05/2007), for the fulfillment of the obligations of D. Lgs. n. 81/2008 and, in particular, for the activation of health surveillance of the research grant holder in the manner and with the requirements provided by law.

Article 10

Tax, social security and insurance treatment

Regarding taxation, the provisions of art. 4 of Law no. 476 of August 13, 1984 and subsequent amendments and additions, as well as those of art. 2, paragraphs 26 et seq. of Law no. 335 of August 8, 1995 and subsequent amendments, are applied to the allowances referred to in this notice.

As regards compulsory maternity leave, the provisions of the Decree of the Minister of Employment and Social Security of July 12, 2007, published in Official Gazette no. 247 of October 23, 2007, and, as regards sick leave, article 1, paragraph 788, of Law no. 296 of December 27, 2006, and subsequent amendments, are applied. In the period of compulsory maternity leave, the indemnity paid by INPS pursuant to article 5 of the cited decree 12/07/2007 is integrated by the University up to the full amount of the research grant.

The University provides insurance coverage for accidents and civil responsibility towards third parties for the holder of the grant as part of the performance of his/her research activities. The amount of the relative premiums is deducted from the cheque.

Article 11

Publicity of the announcement

The present call for selection will be published on the Official Register of the University of Salento. It will be advertised electronically through the website <http://www.unisalento.it/web/guest/concorsi>, that of the MIUR and that of the EU.

Article 12

Processing of personal data and person in charge of the procedure

For the purposes of the application of D. Lgs. 196/2003 and EU Reg. 2016/679 GDPR, regarding the protection of personal data, we inform you that the data collected by this University will be used only for purposes related to the conduct of the competition and the management of any employment relationship, in accordance with the provisions in force. The person in charge of the administrative procedure, in accordance with Law no. 241 of 7 August 1990, and subsequent amendments and additions, is Dr Giusy Elefante from the Department of Engineering, e-mail: giusi.elefante@unisalento.it.



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Article 13
Deferral rules

For anything not expressly provided for in this call for applications, the provisions of the current "Regulations for the awarding of grants for collaboration in research activities, as per art. 22 of Law n. 240 of 30 December 2010" of this University apply, as well as, insofar as applicable, the provisions of the Civil Code.

Attachments: fac simile application form and fac simile declarations.

This decree will be ratified at the next meeting of the Department Council.

Lecce,

The Director
(prof. ing. Antonio Ficarella)