



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

D.R. Rep. n. 1268 – 2021 Prot. n. 131403 del 22.11.2021 All. 4
Anno 2021 – tit. VII cl. 1 fasc. 37

THE RECTOR

Having regard to Italian Law 168, 9 May 1989 establishing the Ministry of Higher Education, Scientific Research and Technology;

Having regard to Italian Law n. 240, 30 December 2010, “Norms regarding the organization of Universities, academic personnel and recruitment, as well as mandating the Government to provide incentives for quality and efficiency of the University system”, and in particular Art. 24, Art. 22, paragraph 9, and Art. 29, paragraph 5;

Having regard to Italian Law n. 241, 7 August 1990, as amended and supplemented, concerning administrative procedures and the right to access administrative documents;

Having regard to Law n. 183, 12 November 2011 (*Legge di Stabilità 2012*) and in particular Art. 15 regarding certifications and declarations;

Having regard to Italian Law n. 106, 15 April, 2004 and Presidential Decree n. 252, 3 May 2006, containing norms relating to depositing documents of cultural interest for public use;

Having regard to Law n. 232, 11 December 2016 (*Legge di Stabilità 2017*);

Having regard to Law n. 205, 27 December 2017 (*Legge di Stabilità 2018*);

Having regard to Law n. 145, 30 December 2018 concerning the “Estimated budget for the financial year 2019 and the multiannual budget for the three-year period 2019-2021;

Having regard to Leg. Decree n. 165, 30 March 2001, as amended and supplemented, in particular Articles 35, 35bis, 36, 37, 38 and 57;

Having regard to Presidential Decree 445, 28 December 2000, containing regulations concerning administrative documentation (*Testo Unico*);

Having regard to Leg. Decree 196, 30 June 2003 and Leg. Decree n. 101, 10 August 2018, implementing the UE Regulation n. 679/2016 regarding personal data protection;

Having regard to Leg. Decree n. 82/2005, 7 March 2005, “Digital Administration Code”, as amended and supplemented;

Having regard to Leg. Decree n. 198, 11 April 2006, “Equal Opportunities for Men and Women”;

Having regard to Leg. Decree n. 49, 29 March 2012 for disciplining the programming, monitoring and assessment of budget management and recruiting policies adopted by universities;

Having regard to Leg. Decree n. 5, 09 February 2012 converted into Law n. 35, 04 April 2012, “Urgent Dispositions as to Simplification and Development”;

Having regard to Presidential Decree n. 62, 16 April 2013, “Civil Servants’ Behaviour Code”;

Having regard to Leg. Decree n. 33, 14 March 2013, “Restructuring the sphere of advertising, transparency and dissemination of information by Public Administrations”, as amended and supplemented;

Having regard to Ministerial Decree n. 243, 25 May 2011, concerning criteria and parameters for preliminary assessment of public selection candidates, recipients of contracts as indicated in Art. 24, paragraph 2, letter c) of Italian Law n. 240, 30 December 2010;

Having regard to Ministerial Decree n. 159, 12 June 2012, on the determination of competition areas, grouped into competition macro-areas;

Having regard to Ministerial Decree n. 855, 30 October 2015, redetermining macro-sectors and competition sectors;

Having regard to the Statute of the University of L’Aquila, established by the Rector’s Decree n. 36-2017, 20 February 2017, entered into force as of 9 March, 2017;

Having regard to the University of L’Aquila’s Code of Ethics/Behaviour established by the Rector’s Decree n. 734-2020, 27 July 2020;

Unità Organizzativa Responsabile: Settore Concorsi e Selezioni – e-mail: conc@strutture.univaq.it

Responsabile: Dott.ssa Loredana Taccone – tel: 0862.432023

Per eventuali informazioni rivolgersi a: Giuseppina Persia – Manuela Salvati (operatrici incaricate) – tel: 0862.432744 – 2097

Università degli Studi dell’Aquila – Palazzo Campaneschi – Piazza Santa Margherita, 2 – 67100 L’Aquila – www.univaq.it – protocollo@pec.univaq.it



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

Having regard to the University of L'Aquila's Regulations concerning the meetings of the Academic Bodies using telematic technology established by the Rector's Decree n. 467-2016, 18 April, 2016, as modified by the Rector's Decree n. 318-2020, 17 March, 2020;

Having regard to the University's Regulations as to recruitment of fixed-term university Researchers established by Rector's Decree n. 621-2012, 05 April 2012 as modified by Rector's Decree n. 860-2013, 05 June 2013, by Rector's Decree n. 1490-2015, 29 October 2015, by Rector's Decree n. 225-2019, 01 April 2019 and lastly by Rector's Decree n. 580-2020, 29 May 2020;

Having regard to the University's Regulations as to assignation of teaching tasks to professors and researchers established by Rector's Decree n. 915-2017, 19 December 2017;

Having regard to the resolutions by the University Academic Bodies concerning staff planning and distribution of resources for recruiting First and Second Tier Professors and Researchers;

Having regard to the resolution of the Department of Industrial and Information Engineering and Economics n. 86/2021 dated 20 April, 2021 - forwarded with note n. 1958 on 6 June, 2021 and received the same date with Prot. n. 63279 - concerning the request of a selection procedure to recruit 1 Researcher in compliance with Art. 24, Par. 3, Letter a) of Italian Law 240/2010, 30 December 2010, for the Academic Recruitment Field 09/D2 – Systems, Methods and Technologies of Chemical and Process Engineering, Academic Discipline **ING-IND/24** - Fundamentals of Chemical Engineering;

Having regard to the resolution of the Department of Industrial and Information Engineering and Economics n. 86/2021 dated 20 April, 2021 - forwarded with note n. 1958 on 6 June, 2021 and received the same date with Prot. n. 63279 - concerning the request of a selection procedure to recruit 1 Researcher in compliance with Art. 24, Par. 3, Letter a) of Italian Law 240/2010, 30 December 2010, for the Academic Recruitment Field 09/E3 – Electronics, Academic Discipline **ING-INF/01** - Electronic Engineering;

Having verified that the expense to reward each fixed-term Researcher for the three-year period for the above-mentioned selection procedure is equal to € 151.191,28 and that the expense, at the budget item CA. 04.01.01.02.01, shall weigh on the following projects:

- for the Academic Recruitment Field 09/D2 – Systems, Methods and Technologies of Chemical and Process Engineering, Academic Discipline **ING-IND/24** - Fundamentals of Chemical Engineering: Project Horizon 2020 named TREASURE – Scientific Coordinator Prof. Francesco Vegliò, Funding Body: European Research Executive Agency – Grant Agreement n. 101003587;
- for the Academic Recruitment Field 09/E3 – Electronics, Academic Discipline **ING-INF/01** – Electronic Engineering: Agreement INFN/UNIVAQ-DIIE – C.F. 84001850589, Project DarkSide-20k, within the framework of the Programme RESTART, reference CIPE resolutions n. 49/2016 and n. 54/2019;

Having regard to the resolution of the Department of Information Engineering, Computer Science and Mathematics n. 16/2021 dated 9 July, 2021 - forwarded with note n. 2522 on 13 July, 2021 and received the same date with Prot. n. 80825 - concerning the request of a selection procedure to recruit 1 Researcher in compliance with Art. 24, Par. 3, Letter a) of Italian Law 240/2010, 30 December 2010, for the Academic Recruitment Field 01/A3 – Mathematical Analysis, Probability and Statistics, Academic Discipline **MAT/05** – Mathematical Analysis;

Having regard to the resolution of the Department of Information Engineering, Computer Science and Mathematics n. 15/2021 dated 9 July, 2021 - forwarded with note n. 2520 on 13 July, 2021 and received the same date with Prot. n. 80819 - concerning the request of a selection procedure to recruit 1 Researcher in compliance with Art. 24, Par. 3, Letter a) of Italian Law 240/2010, 30 December 2010, for the Academic Recruitment Field 01/B1 – Informatics, Academic Discipline **INF/01** – Informatics;

Having verified that the expense to reward each fixed-term Researcher for the three-year period for the above-mentioned selection procedure is equal to € 151.191,28 and that the expense, at the budget item CA. 04.01.01.02.01, shall weigh on the following projects:



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

- for the Academic Recruitment Field 01/A3 – Mathematical Analysis, Probability and Statistics, Academic Discipline **MAT/05** – Mathematical Analysis: Project EX-EMERGE, Funding Body: CIPE (CIPE resolution 70/2017);
- for the Academic Recruitment Field 01/B1 – Informatics, Academic Discipline **INF/01** – Informatics: Project EX-EMERGE, Funding Body: CIPE (CIPE resolution 70/2017);

Having regard to the resolution n. 278/2021 issued by the Board of Directors on 29 September 2021, after approval expressed by the Board of Auditors (minutes n. 7/2021 dated 26 July 2021), authorizing the above mentioned public selection procedures;

DECREES THE FOLLOWING:

Art. 1 – Public Selection, position available and objective of the contract

A public selection procedure is being held at the University of L'Aquila to recruit **n. 4** fixed-term (3 year) full-time Researchers in compliance with Art. 24, Par. 3, Letter a) of Italian Law n. 240/2010, 30 December 2010, and related University Regulations specified as follows:

	Department	Academic Recruitment Field	Academic Discipline	N. POSITIONS
A	Department of Industrial and Information	09/D2 – Systems, Methods and Technologies of Chemical and Process Engineering	ING-IND/24 – Fundamentals of Chemical Engineering	1
B	Engineering and Economics	09/E3 – Electronics	ING-INF/01 – Electronic Engineering	1
C	Department of Information Engineering, Computer Science and Mathematics	01/A3 – Mathematical Analysis, Probability and Statistics	MAT/05 – Mathematical Analysis	1
D		01/B1 – Informatics	INF/01 – Informatics	1

1. Attachments A, B, C and D form integral part of this selection announcement, indicating according to the Department's resolutions, research, teaching, integrated activities and services to the students object of the contract, foreign language requisite, maximum number of publications and, with due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, further assessment criteria of the candidates.

The candidate's Ph.D. thesis, in compliance with Ministerial Decree 243/2011, is to be considered a publication and included among the publications submitted.

2. For teaching tasks reference has to be made to the University's Regulations as to assignment of teaching tasks to professors and researchers established by Rector's Decree n. 915-2017, 19 December 2017 as amended and supplemented.

Art. 2 – Admission Requisites and Causes for Exclusion

1. The selection procedure is open to Italian, EU and non EU citizens holding an Italian residency permit as per Leg. Decree 165/2001, Art. 38 possessing a Ph.D. in subjects related to the Academic Discipline object of the selection procedure or an equivalent degree obtained in Italy or abroad.

Admission requisites must be held by applicants within the deadline for application submission. If obtained abroad, the Ph.D. must be accompanied by the official declaration of equivalency issued by the relevant authorities of the foreign country. If the candidate is not in possess of such a documentation within the deadline for application submission, to be submitted anyhow within



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

- the date of official appointment, he/she shall submit a copy of the application for obtaining such a declaration.
2. The following categories may not participate in this public selection procedure:
 - a) First or second tier university Professors or Researchers already holding an open-ended contract or who have held such positions in the past either, even if terminated;
 - b) Individuals who have already held fixed-term research contracts as provided in Arts. 22 and 24 of Italian Law 240/2010 at the University of L'Aquila or at other Italian Universities, whether public, private or online, or bodies under Par. 1 of Art. 22 of Italian Law 240/2010 for a period, in addition to the intended duration of the competition contract, exceeding a total of 12 years, even if not continuing. Maternity or sick leave as provided in the laws in force shall not be included in the duration of the aforementioned employment contracts;
 - c) Individuals not entitled to exercise civil and political rights;
 - d) Individuals who have been dismissed or relieved from office with a Public Administration for consistently poor performance or have been dismissed from a civil service job as provided in Art. 127, Letter d) of Presidential Decree 10/1/1957, No. 3.
 - e) Individuals who are related, up to the fourth degree, to professors belonging to the recruiting Department including the Rector, General Director, any member of the Board of Trustees.
 3. The contract outlined for this selection procedure cannot be accumulated with other research grants as per Italian Law 449/1997 Art. 51 and Italian Law 240/2010 Art. 22.
 4. Candidates are granted conditional admission, as the University Administration reserves the right to review applications and to exclude for just cause at any time until the end of the procedure. In this case a decree shall be issued by the Rector and the excluded candidate shall be notified by the Administration by registered post with notice of receipt or by certified e-mail (PEC) if provided in the application.

Art. 3 - Application Submission Procedure and Deadline

1. To participate in the selection, candidates must submit their application within 30 days from the day following publication of the announcement in the Gazzetta Ufficiale della Repubblica Italiana – 4° Serie speciale – Concorsi ed Esami. The publication of the selection announcement is also posted in the University, Ministry and EU websites.
2. The application for the selection procedure as well as qualifications, documents and publications are to be submitted telematically, on pain of exclusion, via the online tool available at <https://pica.cineca.it/univaq>. The computer application necessarily requires that the candidate has an e-mail account in order to register or he/she may also log in using the SPID credentials. Candidates must enter all data required to fill in application and attach all documents in .pdf format. The application form must be filled in all its parts according to the instructions given by the telematic procedure. No other ways of presenting applications or documents for the procedure are allowed, except for the case described in Art. 5, paragraph 2 of this announcement. Within the deadline for application the system allows to save a draft of the application. The date of telematic submission of the application shall be certified by a receipt sent automatically by the system.

Applications received after the deadline set in this selection announcement shall not be considered.

An identification number shall be assigned to each application which, along with the selection procedure code indicated in the computer application, shall be quoted in any further notice.

For any technical problems candidates may contact technical support at: univaq@ Cineca.it.

The application submission shall be perfected and concluded in the following ways:

- **By digital signature** using smart card, USB token or remote signature which allow the owner to sign general documents by means of a signature software or a Remote Signature web portal made available by the Auditor. Those who have a Digital Signature smart card or USB token shall verify that they are compatible with the Digital Signature system

Unità Organizzativa Responsabile: Settore Concorsi e Selezioni – e-mail: conc@strutture.univaq.it

Responsabile: Dott.ssa Loredana Taccone – tel: 0862.432023

Per eventuali informazioni rivolgersi a: Giuseppina Persia – Manuela Salvati (operatrici incaricate) – tel: 0862.432744 – 2097

Università degli Studi dell'Aquila – Palazzo Campaneschi – Piazza Santa Margherita, 2 – 67100 L'Aquila – www.univaq.it – protocollo@pec.univaq.it



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

integrated in the system server. If so, the owner may sign the application directly in the system server (e.g. ConFirma);

- **Those who do not have compatible digital signature devices and the Remote Digital Signature Owners** who may access a web portal for signing general documents shall save in their own PC the .pdf file generated by the system and, without modifying it, digitally sign it in CADES format. A .p7m file will be generated, which shall be uploaded again to the system. Any editing to the file before signing with the Digital Signature shall interfere with the automatic check of correspondence between the content of such a document and the original, and this will bring to the application exclusion;
 - **If none of the above-mentioned options can be used** candidates shall save in their own PC the .pdf file generated by the system and, without modifying it, print and sign it with full original signature in the last page of the printed document. A scanned .pdf copy of such a document shall be produced and the file thus obtained shall be uploaded to the system.
3. All applications are subject to verification. **In any case the following shall be cause for exclusion:**
- omission of signature of application, in accordance with laws and regulations;
 - not including a copy of the official declaration of equivalency of the Ph.D. obtained abroad issued by the relevant authorities of the foreign country OR of a copy of the application for obtaining such a declaration;
 - not including a copy of a valid identification document.

Applications deemed as lacking the required elements specified in the selection announcement or not in compliance with what specified in this article shall be excluded by Rector's Decree and candidates shall be notified of the said exclusion by registered post with notice of receipt or by certified e-mail (PEC).

It is not necessary to sign the application if the candidate logs in using the SPID credentials.

4. In his/her application the candidate is required to declare the following:

- 1) Surname and name;
 - 2) Date and place of birth;
 - 3) Tax code (codice fiscale);
 - 4) Residency;
 - 5) Citizenship;
 - 6) The selection procedure they want to participate in;
 - 7) That he/she has the following requisites for participation as indicated in Art. 2 of this announcement;
 - 8) That he/she is in possession of his/her civil and political rights
- a) **Italian candidates** shall also state on their own account:
- Which electoral college they are registered in (municipality) and any reasons for lack of registration or deletion;
 - Their current situation with regard to military service;
- b) **Foreign candidates** shall also state on their own account:
- That they are in possession of their civil and political rights in their country or, supply the reasons for lack thereof;
 - 9) That they have not been convicted of a crime nor are they aware of being subject to criminal proceedings or of any pending criminal proceedings against them;
 - 10) That they have not been dismissed or relieved from office with a Public Administration for consistently poor performance, or that they have not been dismissed from a civil service job as provided in Art. 127, Letter d) of D.P.R. 10 January 1957, n. 3;



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

- 11) That they are not related, up to the fourth degree, to professors belonging to the recruiting Department including the Rector, General Director, any member of the Board of Trustees;
 - 12) That they do not have a position as first or second tier university professors or as open-ended contract Researchers, and have not held such positions in the past either, even if terminated;
 - 13) That they have not already held fixed-term research contracts as provided in Arts. 22 and 24 of Italian Law 240/10 at the University of L'Aquila or at other Italian Universities, whether public, private or online, bodies under Par. 1 of Art. 22 of Italian law 240/10 **for a period, in addition to the intended duration of the competition contract, exceeding a total of 12 years, even if not continuing;**
 - 14) **if not an Italian citizen**, that he/she has an adequate knowledge of the Italian language;
 - 15) that he/she is aware that the Examining Board shall be nominated by Rector's Decree published on the University's Albo Ufficiale and posted on the relevant page of the university website www.univaq.it;
 - 16) that he/she is aware that a list of candidates admitted to the selection procedure is published on the University's Albo Ufficiale and posted on the relevant page of the University website www.univaq.it after the preliminary meeting of the Examining Board;
 - 17) that he/she is aware that the assessment procedure adopted by the Examining Board in the first session and the interview dates are published for at least seven days on the University's Albo Ufficiale and posted on the relevant page of the university website www.univaq.it, in all effects representing official notice to the candidates participating;
 - 18) that he/she is aware that all documents related to the selection procedure together with decree of approval are published on the University's Albo Ufficiale and posted on the relevant page of the university website www.univaq.it, in all effects representing official notice to the candidates participating.
5. In their applications, candidates must include their selected mailing address for notifications, a telephone number, a mobile number and an e-mail address. Any changes in the above information must immediately be notified to the Settore Concorsi e Selezioni Office – Palazzo Camponeschi - Piazza S. Margherita 2 – 67100 L'Aquila, e-mail: conc@strutture.univaq.it.
- In compliance with Law 104/1992, candidates with disabilities must apply for any necessary aid.
6. All declarations made by candidates are to be considered in compliance with Presidential Decree n. 445, 28 December 2000 as amended and supplemented.
- Non-EU citizens** with a regular residence permit may use the Personal Declarations of Certification in accordance with the procedure laid down for EU citizens whenever it is necessary to provide proof of status, facts or personal qualities certifiable or confirmable by Italian public agencies or if the production of self-executed certificates takes place under international agreements between Italy and the applicant's country of origin.
7. The Administration shall carry out a verification process on the contents of declarations, any false declarations shall lead to the candidate losing any benefits obtained thanks to said declarations and are subject to related laws.
8. The University Administration declines all responsibility for un-received notifications due to the candidate's failure in providing a correct address or not notifying the University in due time of any change in the address given in the application or for any postal or telegraphic services, misdeliveries, or due to third parties, unforeseeable events or force majeure.



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

9. **Candidates shall not be able to modify their applications after the indicated deadline; applications deemed as lacking the required elements specified in Art. 2 of the selection announcement or the declarations specified in Paragraph 4. of this article shall be excluded by Rector's Decree and candidates shall be notified of the said exclusion.**

Art. 4 – Required Application Attachments

Candidates must also attach the following to their applications:

- a) A photocopy of a valid identity document;
- b) A photocopy of their tax code (codice fiscale) number;
- c) A Curriculum Vitae listing their scientific and teaching activities, written in Italian and in English;
- d) A list of qualifications;
- e) A copy of qualifications (**only for those which cannot be presented with a personal declaration of certification**) complete with a certification of authenticity and certified Italian translation if written in a language other than English;
- f) A numbered list of publications;
- g) A list of the candidate's teaching experience indicating the University/Body, the period and the subject taught;
- h) Publications (a maximum number as indicated in art. 1 of this selection procedure);
- i) A copy of residency permit (non EU citizens).

All qualification certificates issued by Italian Public Administration Authorities must only be self-certified as pursuant to Italian Law 183/2011.

Non EU Citizens with a regular Italian residence permit may submit original or scanned copies of qualifications, authenticated or certified copies of the original.

Art. 5 - Publications

1. Publications presented must be submitted only in .pdf format in the dedicated section of the telematic procedure at <https://pica.cineca.it/univaq>.
2. **Each publication shall not exceed the limit of 30 megabyte.**

Those publications exceeding the limit of 30 megabyte shall be indicated in a numbered list to be entered in the online platform and uploaded in .pdf format to a digital medium (USB, CD, DVD) to be posted within the application deadline by registered mail, express post or package or service with notice of receipt to the following address: Settore Concorsi e Selezioni – Palazzo Camponeschi - Piazza S. Margherita 2 – 67100 L'Aquila. The date when the envelope was accepted by the post office or express service company shall be taken into consideration. Any applications whose publications (exceeding the 30 megabyte) shall be excluded that, though posted within the deadline under comma 1 of Article 3 of this selection announcement, do not arrive at the University Administration within the fifth day after the designated deadline. In the latter case the date of arrival at the University shall be taken into consideration. The University Administration declines all responsibility for any non-deliveries or misdeliveries of the publications, or other problems due to third parties, unforeseeable events or force majeure. The candidate must indicate on the envelope containing the publications: the University issuing the selection procedure, the requesting Department, the academic recruitment field, academic discipline, position being applied for, name, surname, mailing address for all selection procedure related notifications, selection procedure code and identification number assigned by the computer application.



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

If the maximum number of publications indicated in the Attachments to this selection announcement is not observed, the system shall not allow to complete the application procedure.

Candidates cannot make references to other publications/documents presented previously to the University of L'Aquila or to any other administration/institution.

3. Works published in Italy will be assessed if they comply with legal standards and are pursuant to Leg. Decree n. 660/1945 as amended by Italian Law 106/2004 and Presidential Decree n. 252/2006. This requires certification to be provided with the application or a personal declaration pursuant to Presidential Decree n. 445/2000; for works published abroad the date and place of publication must be indicated.
4. Publications written in a foreign language must be accompanied by a certified translation into Italian by official translator or consulate/embassy. The translation process is not required for publications written in French, English, German and Spanish.

Art. 6 - Renouncing Participation

Candidates wishing to renounce participation in the selection procedure are required to write to the Rector to declare their intentions, including in their letter a photocopy of a valid identity document, to the following address: Settore Concorsi e Selezioni – Palazzo Camponeschi - Piazza S. Margherita 2 – 67100 L'Aquila, e-mail: conc@strutture.univaq.it. Their renouncement shall be made official during the first meeting following receipt of renouncement.

Art. 7 - Nomination of the Examining Board

1. The Examining Board is appointed by a Rector's Decree upon nomination of the Department requesting the position as per Regulations as to recruitment of fixed-term university Researchers appointment indicated in the introduction to this selection announcement.
2. The Rector's Decree appointing the Examining Board shall be published on the University's Albo Ufficiale and on the University website.
3. From the date the Rector's Decree nominating the Examining Board is published candidates have 10 (ten) days to state their opposition to any of the components of the Board. If the cause of the objection arises after the time indicated above so long as before the date of the Board's taking office, the period shall run from its occurrence. After this period, and anyhow after the Board's taking office, no instances may be presented.
4. The Board nominates a President and a Secretary.
5. The Board operates with the presence of all its members and takes decisions unanimously.
6. Participation in all Board activities is mandatory for all members.
7. The Board, after notifying the Head of the selection procedure, may hold meetings using telematic technology. At the end of the meeting the minutes must be drawn up, approved, and signed by the Secretary who has actually drawn them up. The other members of the Examining Board underwrite a statement in which they declare that they have joined the meeting and undersigned the minutes and then forward them telematically to the competent administration office. Where applicable, reference has to be made to the University's Regulations (Rector's Decree n. 467-2016, 18 April 2016 as modified by Rector's Decree n. 318-2020, 17 March 2020).
8. Expenses incurred may be reimbursed in accordance with the University's Regulations pursuant to Art. 7, Paragraph 12 in reference to the recruitment of fixed-term Researchers.

Art. 8 - Role and Duties of the Examining Board

1. In the first session the Board, having determined that in compliance with related laws, no incompatibility factors are present, outlines the preliminary assessment criteria and procedures for



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

selection in compliance with the parameters indicated in Ministerial Decree n. 243, 25 May 2011, and the criteria and specific functions to be carried out by the Researcher indicated by the Department and stated in Attachments A, B, C and D to this selection announcement.

The Board also establishes an analytical system to confer points to candidates' qualifications and publications after preliminary assessment has been completed. The Board then establishes which candidates are admitted to the interview, together with the criteria for testing their English language skills, and Italian language skills for foreign applicants.

2. The Head of the selection procedure is immediately notified of the above-mentioned results which are to be published on the University's Albo Ufficiale and on the website for at least 7 days before the Board can move on to the next phase of the selection procedure. After determining the above said criteria and having read the Rector's Decree concerning the list of candidates admitted to the selection procedure, each member of the Board must state for the record that no incompatibility factors and conflict of interest are present.

3. The above-mentioned preliminary procedure initially involves determining if the candidates possess the requisites for participation in the light of what indicated in the announcement. The selection is carried out by assessing the candidates with a motivated analytic judgement on their qualifications, CVs and publications, including their Ph.D. thesis.

4. Following preliminary assessment, the Board will admit the most worthy candidates - 10 to 20 per cent of the original candidates – and no less than six in number - to participate in a public discussion of their qualifications and scientific work; all candidates shall be admitted to the discussion should their total number be equal to or less than six.

5. The list of candidates is drawn up by the Board and, along with the analytic evaluations, the notification of date, place and time of the interview and of the foreign language test, is published on the University's Albo Ufficiale and on the website at least 10 days before the interview. **This is to be considered an official notification for candidates. Candidates are required to appear for their interviews on the indicated date with a valid identity document. It is important to remember that candidates are not notified individually but only through the above stated notifications published online. If the candidate does not show up, this shall be considered final renunciation to the selection procedure.**

Throughout the period of validity of the temporary Regulations concerning the procedures for carrying out interviews using telematic technology in the selection procedures for RTD/A and RTD/B as well as interviews for testing language skills in the selection procedures for First and Second Tier Professors, established by the Rector's Decree n. 339-2020, 26 March 2020, the interview may be carried out by using the audio and video tools according to the Instructions on telematic connection at <https://www.univaq.it/section.php?id=1532>. In the section "Candidates admitted to interview" a Notice shall be published following which candidates must fill in, sign and send within the date set for the interview a declaration to the following e-mail address: concRTDA@strutture.univaq.it.

Not sending such a declaration shall be considered final renunciation to the selection procedure.

6. Following the interviews, the Board grades the candidate's qualifications, attributes a grade to each publication and assesses interview and foreign language skills. Once this has been completed the Board draws up a ranking of the candidates and deliberates by majority the winner of the selection procedure.

7. All proceedings are contained in the minutes of the meetings, including all the assessment results obtained during the preliminary meeting, grading of qualifications and publications, and interview to test English language skills. The results of all of the above are published on the University's Albo Ufficiale and on the website **which to all effects represents an official notification for the participants in the selection.**



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

Art. 9 - Time Limits of the Selection Procedure

1. The Board is to conclude all necessary actions within **four months** from the Rector's Decree nominating its members.
2. The Rector may extend the deadline only once and for no more than two months only in the case of exceptional and documented reasons brought forth by the President of the Board before the established deadline expires. If all procedures are not concluded even within the extended deadline the Rector shall proceed to the substitution of the Board members.

Art. 10 - Determining Validity of Proceedings

1. Within thirty days after the proceedings are consigned to the Settore Concorsi e Selezioni, the Rector issues a Decree establishing their validity and declaring the selected candidate. The Rector's Decree and the proceedings are published on the University's Albo Ufficiale and on the website. This, to all effects, represents official notification and from that date candidates have a period of time to file a complaint. The Decree is immediately passed on to the Department in charge of the appointment. The candidate selected shall also be notified.
2. If the Rector finds any irregularities in the proceedings he/she may make a motivated request to the Board to obtain rectification.

Art. 11 - Appointment by the Department

1. Within 60 days of the Rector's approval of the proceedings the Department Council that had requested the selection procedure must propose a date to officially appoint the new Researcher. The Head of the Department must convene the Council composed by the competent members. The proposal for the call is valid if approved by the vote of the overall majority of First and Second Tier Professors of the Department. In case of failure to reach such a majority the consequent resolution of not calling must be properly motivated with regard to failing the needs that had motivated the request of the selection procedure.
2. Failing to propose the call within the above-mentioned deadline or failing to properly motivate the resolution of not calling involves for the Department requesting the procedure the impossibility to start for one year a new selection procedure for the same Academic Discipline.
3. The Department's deliberation to call the Researcher must be approved by the University's Board of Directors.
4. Within 30 days of the date of the call approval by the Board of Directors the Researcher is invited to present all necessary documents for contract stipulation.

Art. 12 - Drawing-up of contract

1. A fixed-term full-time employment contract shall be drawn up and underwritten by the Rector and by the Researcher. The contract is for three years, renewable once for further two years only, after obtaining positive assessment of teaching and research activities carried out, provided that the necessary funds are available.

During maternity leave the contract is put on hold and expiration date is postponed for a period equal to that of compulsory leave of absence.

2. All elements regarding fixed-term researcher contracts specified in Art. 11 of the University's Regulations must be indicated within said contract.

The number of hours required for teaching, integrated activities and services to the students is 350 hrs per year. Research activity is the subject of a specific scientific report to be submitted yearly to the Department's approval.



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

Given that the contract shall be pursuant to Leg. Decree n. 165/2001 Art. 53, it is important to state that it cannot be accumulated with other employment contracts, research grants, Ph.D. or Specialization courses, nor with any other earnings or grants from the University.

As regards the Researcher's duties the main duties established by law in reference to the category shall be applied.

The Researcher appointed will be required to abide by the University's Code of Behaviour, not doing so shall lead to termination of contract. The Researcher shall also abide by norms regarding security, as established in Leg. Decree n. 81/2008 as amended and supplemented and also contact the Health and Safety Service of the University to gather information on prevention measures to abide by while carrying out research.

3. The position is subject to all laws regarding termination.

Art. 13 - Salary and Social Security Benefits

The gross annual salary for fixed-term full-time Researcher corresponds to € **50.397,09**. The contract is subject to all social security and fiscal taxes provided for all contracts entered with the University of L'Aquila.

Art. 14 - Documents for Contract Stipulation

The Researcher selected shall present all required documents together with all declarations certifying their requisites for appointment as pursuant to Presidential Decree 445/2000 art. 46 and 47 to the University's Settore Personale Docente e Ricercatori Office as specified in Art. 3, Paragraph 4, numbers 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13 in this announcement. The Researcher shall also present a personal declaration of certification regarding their marital status, household members, whether they belong to legally protected categories, whether they receive a pension, whether they are members of professional registers; they must also declare that they are not employed in any other public or private company or institution as pursuant to Presidential Decree 445/2000, Art. 46 and 47.

The selected candidate, if already employed by a public administration, must declare it in order to take a leave of absence for all the contract period, unpaid and without social security contributions, or an "out of role" position where such position is provided for in their administration system.

Before starting work the Researcher must undergo a medical check-up to obtain a certificate from the University doctor stating that their health allows them to carry out the job duties required; the Researcher can contact the Settore Personale Docente e Ricercatori Office to make an appointment with the doctor.

The University reserves the right to carry out spot checks to verify the information and certification presented.

Art. 15 - Personal Data

The processing of candidates' personal data is disciplined by Leg. Decree n. 196, 30 June 2003 and UE Regulation n. 679/2016. Personal data supplied by the candidates in the application form shall be collected by the offices of the University and processed for the purposes of the procedure and for the management of relations ensuing therefrom.

The provision of said information is compulsory, on pain of exclusion.

Candidates are entitled to exercise the rights provided in the Legislative Decree mentioned above, including the right to access the data concerning them, the right to rectify, update, complete or erase erroneous or incomplete data or data collected in a manner that is contrary to law, and to object to processing for legitimate reasons.



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

Art. 16 – Disclosure

This decree is made available to the public on the University website (<http://www.univaq.it>), on the Ministry of Education, University and Research website, and on the European Union website.

Art. 17 - Reference to Implementation Modalities

For all matters not contained in this announcement, the resolutions, laws and regulations indicated in the introduction together with all laws regulating recruitment of University staff shall apply.

Art. 18 - Head of the Selection Procedure

Pursuant to Art. 5 of Italian Law n. 241, 7 August 1990, dr. Loredana Taccone, Head of the Settore Concorsi e Selezioni of the University of L'Aquila, is also head of this selection procedure.

L'Aquila, 22 November 2021

The Rector
Prof. Edoardo Alesse
(signed:) Edoardo Alesse

Published in the Gazzetta Ufficiale n. 99 on 14 December, 2021

Deadline: 13 January 2022 - h 23:59

Date of publication in the University's Albo Ufficiale: 15 December, 2021

This document conforms to the original document, it is produced for publication on the University website in the modality requested so that it can be useable by application softwares as provided by the law regarding accessibility. The original document with original signatures is available at the office responsible of the procedure.

Unità Organizzativa Responsabile: Settore Concorsi e Selezioni – e-mail: conc@strutture.univaq.it

Responsabile: Dott.ssa Loredana Taccone – tel: 0862.432023

Per eventuali informazioni rivolgersi a: Giuseppina Persia – Manuela Salvati (operatrici incaricate) – tel: 0862.432744 – 2097

Università degli Studi dell'Aquila – Palazzo Camponeschi – Piazza Santa Margherita, 2 – 67100 L'Aquila – www.univaq.it – protocollo@pec.univaq.it



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

ATTACHMENT A

Academic Recruitment Field	09/D2 – Systems, Methods and Technologies of Chemical and Process Engineering
Academic Discipline	ING-IND/24 – Fundamentals of Chemical Engineering
Place of work	Department of Industrial and Information Engineering and Economics
Type of contract	fixed-term full-time contract for Researcher in compliance with Art. 24, Par. 3, Letter a) of Italian Law n. 240/2010, 30 December 2010
Admission requisites	Admission requisites to the selection procedure as per current regulations in relation to the contract concerned. Ph.D. in subjects related to Chemical Engineering along with a scientific and professional CV adequate to carry out research activities in the field of the academic discipline ING-IND/24.
Type of funding	Budget item CA. 04.01.01.02.01, to weigh on the following project: Horizon 2020 named TREASURE – Scientific Coordinator Prof. Francesco Vegliò (Contact person for RTD-A position: Prof. Giovanni Del Re)
Research activities	<p>The Researcher shall carry out research activities in the field of the Academic Discipline ING-IND/24 - Fundamentals of Chemical Engineering. The field focuses on the “Basic Process Design”, that is the development of methodologies and technologies of process industry (chemical, petrochemical, biotechnological, food, pharmaceutical, production and material processing), on the basis of physical, chemical and biological phenomena which characterize specific transformations. The study is dealt with in a system point of view using the tools of thermodynamics, chemical kinetics, transport phenomena to analyze the single phases of the processes and of the systems, and to recompose them in a unitary vision, functional to the identification and quantification of design and operational actions. The applications also address, besides process industry, environmental and biomedical engineering and security issues, and aim at the development of new technologies which meet the economic, energy and environmental compatibility needs.</p> <p>Characterizing skills include transportation phenomena (heat and matter transfer between phases, also in presence of chemical reactions, and related equipments); kinetics and chemical and biochemical reactors; chemical and process thermodynamics (process energy analysis; chemical balance between phases and relative applications).</p> <p>In particular, the Researcher shall deal with the development of sustainable chemical and biological processes in effluent and waste treatment of the industrial and non-industrial sector by means of a Circular Economy approach.</p> <p>In detail:</p>

Unità Organizzativa Responsabile: Settore Concorsi e Selezioni – e-mail: conc@strutture.univaq.it

Responsabile: Dott.ssa Loredana Taccone – tel: 0862.432023

Per eventuali informazioni rivolgersi a: Giuseppina Persia – Manuela Salvati (operatrici incaricate) – tel: 0862.432744 – 2097

Università degli Studi dell'Aquila – Palazzo Camponeschi – Piazza Santa Margherita, 2 – 67100 L'Aquila – www.univaq.it – protocollo@pec.univaq.it



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

	<ul style="list-style-type: none">- Recovery of critical and non-critical metals from waste of the petrochemical, pharmaceutical, automotive, renewable energy production systems and manufacturing industries in general;- Recovery of precious metals and rare-earth from e-waste (electronic cards, electric and combustion car batteries, permanent magnets, etc.);- Integrated treatment of waste containing metals of various kinds with optimization of the water cycle and minimization of the waste production for several industrial sectors (e.g.: galvanic, goldsmith industry, etc.) - ZLD and zero-waste approach;- Thermodynamic and kinetic modelling of recovery processes of base and precious metals, and rare-earth;- Development of experimental techniques in planning experiments on laboratory and pilot scale;- Process analysis and definition of environmental, economic and social sustainability of the processes identified. <p>Research activities shall be carried out within the framework of the European project named TREASURE of which UNIVAQ is partner. Following the principles of circular economy, the technologies developed shall be environmentally and economically sustainable, aimed not only at the circularity of the developed processes but also at water reuse, energy and substances and value-added by-products recovery.</p> <p>Participation in UE competitive calls, national and regional calls concerning sustainability of industrial processes of the chemical and environmental-biotechnological sectors.</p>
Teaching activities, integrated teaching activities and services to the students	Teaching activities shall be carried out within the Bachelor's level degree in Industrial Engineering, in the Master's level degree in Chemical Engineering and Environmental and Territory Engineering (Fundamentals of Chemical Engineering, Purification of liquid and gaseous effluents, Fundamentals of Environmental Chemical Engineering ...), specific courses of the Chemical Engineering teaching laboratory) as well as in the Ph.D. courses. The Researcher shall also participate in the examination and graduation committees, hold students hours and assist students, supervise them in training and thesis work, participate in the orientation and tutoring activities of the Department up to a total amount of 350 hrs per year.
Maximum number of publications	12 (twelve)
Foreign language requisite	English
Assessment criteria	With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board shall assess

Unità Organizzativa Responsabile: Settore Concorsi e Selezioni – e-mail: conc@strutture.univaq.it

Responsabile: Dott.ssa Loredana Taccone – tel: 0862.432023

Per eventuali informazioni rivolgersi a: Giuseppina Persia – Manuela Salvati (operatrici incaricate) – tel: 0862.432744 – 2097

Università degli Studi dell'Aquila – Palazzo Camponeschi – Piazza Santa Margherita, 2 – 67100 L'Aquila – www.univaq.it – protocollo@pec.univaq.it



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

	content and quality of the candidates' scientific publications, their CV as well as teaching and third mission activities carried out.
--	--

Unità Organizzativa Responsabile: Settore Concorsi e Selezioni – e-mail: conc@strutture.univaq.it

Responsabile: Dott.ssa Loredana Taccone – tel: 0862.432023

Per eventuali informazioni rivolgersi a: Giuseppina Persia – Manuela Salvati (operatrici incaricate) – tel: 0862.432744 – 2097

Università degli Studi dell'Aquila – Palazzo Camponeschi – Piazza Santa Margherita, 2 – 67100 L'Aquila – www.univaq.it – protocollo@pec.univaq.it



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

ATTACHMENT B

Academic Recruitment Field	09/E3 – Electronics
Academic Discipline	ING-INF/01 – Electronic Engineering
Place of work	Department of Industrial and Information Engineering and Economics
Type of contract	fixed-term full-time contract for Researcher in compliance with Art. 24, Par. 3, Letter a) of Italian Law n. 240/2010, 30 December 2010
Type of funding	Budget item CA. 04.01.01.02.01, to weigh on the following project: Agreement signed digitally on 8 January 2021 between LNGS-INFN and the University of L'Aquila/DIIE Prot. n. 2021-UNAQCLE – 1770 dated 11 January 2021 Prot. DIIE n. 48 dated 11 January 2021 - Project DARKSIDE – Scientific Coordinator: Prof. Giuseppe Ferri
Research activities	The Researcher shall carry out research activities consistent with the declaration of the Academic Discipline ING-INF/01. In particular, he/she shall deal with design of systems and interfaces for photodetectors, for silicon photomultipliers (SiPMs), cryogenic systems, high-voltage electronic systems and Argon detectors technologies. The Researcher shall accurately compare the results obtained with literature. Moreover, he/she shall collaborate with the research activities within the DARKSIDE Project. In particular, he/she shall carry out research activities on issues related to the SiPM.
Teaching activities, integrated teaching activities and services to the students	The Researcher shall also carry out, as per current regulations, teaching activities and services to the students. In particular, teaching activities shall be carried out in the field of the Master's level degree in Electronic Engineering, as well as in Ph.D. courses. He/she shall carry out seminars, also in English, on subjects of interest of students of the Master's level degree. The Researcher shall participate in the examination and graduation committees, hold students hours and assist students, supervise them in training and thesis work, participate in the orientation and tutoring activities of the Department up to a total amount of 350 hrs per year.
Maximum number of publications	12 (twelve)
Foreign language requisite	English
Assessment criteria	With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board shall assess content and quality of the candidates' scientific publications, their CV as well as teaching and third mission activities carried out.

Unità Organizzativa Responsabile: Settore Concorsi e Selezioni – e-mail: conc@strutture.univaq.it

Responsabile: Dott.ssa Loredana Taccone – tel: 0862.432023

Per eventuali informazioni rivolgersi a: Giuseppina Persia – Manuela Salvati (operatrici incaricate) – tel: 0862.432744 – 2097

Università degli Studi dell'Aquila – Palazzo Camponeschi – Piazza Santa Margherita, 2 – 67100 L'Aquila – www.univaq.it – protocollo@pec.univaq.it



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

ATTACHMENT C

Academic Recruitment Field	01/A3 - Mathematical Analysis, Probability and Statistics,
Academic Discipline	MAT/05 – Mathematical Analysis
Place of work	Department of Information Engineering, Computer Science and Mathematics
Type of funding	Budget item CA. 04.01.01.02.01, to weigh on the following project: EX-EMERGE, Funding Body: CIPE (CIPE resolution 70/2017)
Period	Full time, 3 years, renewable for further 2 years
Research Project Title	Non linear dispersive partial differential equations and their applications to optical fiber signal propagation.
Project Coordinator	Prof. Donatella Donatelli and Prof. Bruno Rubino, First Tier Professors Academic Discipline MAT/05 – Mathematical Analysis, both at the Department of Information Engineering, Computer Science and Mathematics (DISIM), University of L'Aquila
Research activities	Research activities, to be carried out in the Centre of Excellence ExEmerge “Centre of EXcellence on Connected, Geo-localized and Cyber-secure vehicles”, consist in formulating and studying dispersive partial differential equations models and their applications to optical fiber signal propagation. In fact, it is known that in optical signal propagation dispersion phenomena of different nature according to the physical characteristics of the medium considered occur. The aim of the project is a rigorous analysis of such phenomena by classifying the models according to the physical parameters which cause dispersion as well as by developing an adequate mathematical theory (construction of dispersive estimates, asymptotic behaviour). Considering the highly interdisciplinary approach of the project, the selected candidate is expected to develop it as a whole, considering both the physical-mathematical modelling aspect and the analytical one. In detail, for the purposes of the project, the following is required: a deep knowledge of modern techniques of harmonic analysis for dispersive partial differential equations analysis - in particular construction techniques of dispersive estimates and their applications to various models – the mathematical theory concerning scattering, the formation of singularities as well as the ability to analyze the above-mentioned issues in a probabilistic setting.
Teaching activities, integrated teaching activities and services to the students	The Researcher shall arrange with the relevant Teaching Area Councils the teaching activities to be carried out in the Bachelor's level degree, Master's level degree and Ph.D. courses relating to the Academic Discipline MAT/05; he/she shall teach courses and seminars, also in English and participate in the orientation and tutoring activities. Total number of hours required, in the full time contract option, is 1.500 hrs. per year, of which a maximum of 350

Unità Organizzativa Responsabile: Settore Concorsi e Selezioni – e-mail: conc@strutture.univaq.it

Responsabile: Dott.ssa Loredana Taccone – tel: 0862.432023

Per eventuali informazioni rivolgersi a: Giuseppina Persia – Manuela Salvati (operatrici incaricate) – tel: 0862.432744 – 2097

Università degli Studi dell'Aquila – Palazzo Camponeschi – Piazza Santa Margherita, 2 – 67100 L'Aquila – www.univaq.it – protocollo@pec.univaq.it



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

	hrs. for the above-mentioned teaching activities and services to the students.
Maximum number of publications	12 (twelve)
Foreign language requisite	English
Scientific CV	The scientific skills expected refer to the field of Mathematical Analysis, in particular Partial Differential Equations.
Assessment criteria	<p>With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board shall consider the high quality of the candidate's scientific production, documented by publication in highly-regarded international journals and conferences. Documented research experience in the Academic Discipline MAT/05 carried out in Italian and foreign research institutions shall also be considered. Moreover, in assessing the candidate's CV, the following shall be considered as particularly qualifying:</p> <ul style="list-style-type: none">• Qualifications obtained in fields of research related to the research activity to be carried out by the candidate, that is the knowledge of modern techniques of harmonic analysis for dispersive partial differential equations, construction techniques of dispersive estimates and their applications to various models, mathematical theory concerning scattering, the formation of singularities, the ability to analyze the above-mentioned issues in a probabilistic setting;• Publications concerning the research activity related to the project, that is the knowledge of modern techniques of harmonic analysis for dispersive partial differential equations, construction techniques of dispersive estimates and their applications to various models, mathematical theory concerning scattering, the formation of singularity, the ability to analyze the above-mentioned issues in a probabilistic setting.



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

ATTACHMENT D

Academic Recruitment Field	01/B1 – Informatics
Academic Discipline	INF/01 – Informatics
Place of work	Department of Information Engineering, Computer Science and Mathematics
Type of funding	Budget item CA. 04.01.01.02.01, to weigh on the following project: EX-EMERGE, Funding Body: CIPE (CIPE resolution 70/2017)
Period	Full time, 3 years, renewable for further 2 years
Research Project Title	Design and development of recommender systems based on AI in software engineering and model-driven engineering.
Project Coordinator	<ul style="list-style-type: none">• Prof. Davide DI RUSCIO, Second Tier Professor Academic Recruitment Field 01/B1, Academic Discipline INF/01 – Informatics at the Department of Information Engineering, Computer Science and Mathematics (DISIM)• Prof. Alfonso PIERANTONIO, First Tier Professor Academic Recruitment Field 01/B1, Academic Discipline INF/01 – Informatics at the Department of Information Engineering, Computer Science and Mathematics (DISIM)
Research activities	Research activities shall concern the synergic adopting of machine learning and artificial intelligence techniques to support the development, implementation and maintenance of complex physical systems. Research shall then make use and conceive adequate data mining and software engineering solutions in order to simplify the development and the adoption of ML-intensive approaches in complex application contexts such as that of connected vehicles. Collaborative development and modelling contexts shall mainly be considered to define the requirements of technical solutions. Recommender systems shall be developed to support the different phases of the life cycle of complex cyber physical systems of interest in the research, included their modelling, simulation and analysis. The development of recommender systems is typically based on very complex processes which require the definition of pipeline which, on the basis of properly filtered and aggregated data, are able to apply machine learning models (e.g. collaborative filtering or neural networks) in order to produce target elements relevant to the context considered. Predictive and analysis functionalities shall then be conceived in order to enhance the quality of the cyber physical systems of interest.
Teaching activities, integrated teaching activities and services to the students	The Researcher shall carry out teaching activities in basic informatics courses and in specialistic courses in the field of software engineering and model-driven engineering. Thus the educational offer requirements shall be kept and teaching shall be enhanced. He/she shall also be required to support students and tutor ICT Ph.D. students. Total number of hours required is 1.500 hrs. per

Unità Organizzativa Responsabile: Settore Concorsi e Selezioni – e-mail: conc@strutture.univaq.it

Responsabile: Dott.ssa Loredana Taccone – tel: 0862.432023

Per eventuali informazioni rivolgersi a: Giuseppina Persia – Manuela Salvati (operatrici incaricate) – tel: 0862.432744 – 2097

Università degli Studi dell'Aquila – Palazzo Camponeschi – Piazza Santa Margherita, 2 – 67100 L'Aquila – www.univaq.it – protocollo@pec.univaq.it



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
SETTORE CONCORSI E SELEZIONI

	year, of which a maximum of 350 hrs. for the above-mentioned teaching activities and services to the students.
Maximum number of publications	12 (twelve)
Foreign language requisite	English
Scientific CV	Scientific skill required concern Software Engineering, Model-Driven Engineering, Mining Software Repositories, Recommender Systems, Machine Learning.
Assessment criteria	With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board shall assess the candidates according to their overall profile and scientific maturity with particular reference to the specific functions to be carried out by the Researcher; their contribution in the works submitted and their publications in highly-regarded international journals; participation in financed research projects.