



# UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE  
AREA GESTIONE DELLE RISORSE UMANE  
SETTORE CONCORSI E SELEZIONI

D.R. Rep. n. 347 – 2022 Prot. n. 43014 del 8.4.2022 All. 8  
Anno 2022 – tit. VII cl. 1 fasc. 31

## 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](mailto:conc@strutture.univaq.it)

Responsabile: Dott.ssa Loredana Taccone – tel: 0862.432023

Per eventuali informazioni rivolgersi a: Raffaele Iovenitti - Giuseppina Persia - Michela Speranza - Veronica Tomei (operatori incaricati) – tel: 0862.432176 - 2744 – 2703 - 2704

Università degli Studi dell’Aquila – Palazzo Campaneschi – Piazza Santa Margherita, 2 – 67100 L’Aquila – [www.univaq.it](http://www.univaq.it) – [protocollo@pec.univaq.it](mailto:protocollo@pec.univaq.it)



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**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 Information Engineering, Computer Science and Mathematics n. 19/2021 dated 20 October, 2021 - forwarded with note n. 3778 on 22 October, 2021 and received the same date with Prot. n. 120794 - 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/A2 – Geometry and Algebra, Academic Discipline **MAT/02** – Algebra;

**Having regard** to the resolution of the Department of Information Engineering, Computer Science and Mathematics n. 20/2021 dated 20 October, 2021 - forwarded with note n. 3779 on 22 October, 2021 and received the same date with Prot. n. 120798 - 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/F2 – Telecommunications, Academic Discipline **ING-INF/03** – Telecommunications;

**Having regard** to the subsequent resolution of the Department of Information Engineering, Computer Science and Mathematics n. 26/2021 dated 15 December, 2021 - forwarded with note n. 4703 on 16 December, 2021 and received the same date with Prot. n. 140271 - 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/F2 – Telecommunications, Academic Discipline **ING-INF/03** – Telecommunications;

**Having regard** to the resolution of the Department of Civil, Construction-Architectural and Environmental Engineering n. 103/2021 dated 7 December, 2021 - forwarded with note n. 2728 on 10 December, 2021 and received the same date with Prot. n. 137792 - 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 08/A4 – Geomatics, Academic Discipline **ICAR/06** – Surveying and Mapping;

**Having regard** to the resolution of the Department of Civil, Construction-Architectural and Environmental Engineering n. 104/2021 dated 18 December, 2021 - forwarded with note n. 162 on 26 January, 2022 and received the same date with Prot. n. 7802 - 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 08/C1 – Design and Technological Planning of Architecture, Academic Discipline **ICAR/11** – Building Production;

**Having regard** to the resolution of the Department of Civil, Construction-Architectural and Environmental Engineering n. 104/2021 dated 18 December, 2021 - forwarded with note n. 162 on 26 January, 2022 and received the same date with Prot. n. 7802 - 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 08/E1 – Representation of Architecture, Academic Discipline **ICAR/17** – Representation of Architecture;

**Having regard** to the resolution of the Department of Civil, Construction-Architectural and Environmental Engineering n. 104/2021 dated 18 December, 2021 - forwarded with note n. 162 on 26



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January, 2022 and received the same date with Prot. n. 7802 - 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 08/F1 - Urban and Territorial Planning and Design, Academic Discipline **ICAR/20** – Urban and Regional Planning;

**Having regard** to the resolution of the Department of Civil, Construction-Architectural and Environmental Engineering n. 104/2021 dated 18 December, 2021 - forwarded with note n. 162 on 26 January, 2022 and received the same date with Prot. n. 7802 - 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 04/A3 - Engineering Geology, Physical Geography and Geomorphology, Academic Discipline **GEO/05** - Engineering Geology;

**Having verified** that the expense to reward each fixed-term Researcher for the three-year period is equal to € 148.649,37 and that the expense, at the budget item CA. 04.01.01.02.01, shall weigh on the following projects:

- Project EX-EMERGE: n. 1 position for the Academic Recruitment Field 01/A2 – Geometry and Algebra, Academic Discipline **MAT/02** – Algebra, n. 1 position for the Academic Recruitment Field 09/F2 – Telecommunications, Academic Discipline **ING-INF/03** – Telecommunications and n. 1 position for the Academic Recruitment Field 09/F2 – Telecommunications, Academic Discipline **ING-INF/03** – Telecommunications;
- Project 03DIDIRPROCIV20 – professionally-oriented Bachelor’s level degree “Civil Protection Techniques and Territorial Safety”: n. 1 positions for the Academic Recruitment Field 08/A4 – Geomatics, Academic Discipline **ICAR/06** – Surveying and Mapping;
- Project SICURA, the “caSa Intelligente delle teCnologie per la sicUREzza – L’Aquila” : n. 1 position for the Academic Recruitment Field 08/C1 – Design and Technological Planning of Architecture, Academic Discipline **ICAR/11** – Building Production, n. 1 position for the Academic Recruitment Field 08/E1 - Representation of Architecture, Academic Discipline **ICAR/17** – Representation of Architecture, n. 1 position for the Academic Recruitment Field 08/F1 - Urban and Territorial Planning and Design, Academic Discipline **ICAR/20** - Urban and Regional Planning, n. 1 position for the Academic Recruitment Field 04/A3 - Engineering Geology, Physical Geography and Geomorphology, Academic Discipline **GEO/05** - Engineering Geology;

**Having regard** to the resolution n. 384/2021 issued by the Board of Directors on 15 December 2021, after approval expressed by the Board of Auditors (minutes n. 10/2021 dated 24 November 2021), authorizing the public selection procedures to recruit n. 1 Researcher for the Academic Recruitment Field 01/A2 – Geometry and Algebra, Academic Discipline **MAT/02** – Algebra and n. 1 Researcher for the Academic Recruitment Field 09/F2 – Telecommunications, Academic Discipline **ING-INF/03** – Telecommunications;

**Having regard** to the resolution n. 9/2022 issued by the Board of Directors on 26 January 2022, after approval expressed by the Board of Auditors (minutes n. 11/2021 dated 14 December 2021), authorizing the public selection procedure to recruit n. 1 Researcher for the Academic Recruitment Field 08/A4 – Geomatics, Academic Discipline **ICAR/06** – Surveying and Mapping;

**Having regard** to the resolution n. 49/2022 issued by the Board of Directors on 29 March 2022, after approval expressed by the Board of Auditors (minutes n. 2/2022 dated 23 February 2022), authorizing the public selection procedures to recruit n. 1 Researcher for the Academic Recruitment Field 08/C1 – Design and Technological Planning of Architecture, Academic Discipline **ICAR/11** – Building Production, n. 1 Researcher for the Academic Recruitment Field 08/E1 – Representation of Architecture, Academic Discipline **ICAR/17** – Representation of Architecture, n. 1 Researcher for the Academic Recruitment Field 08/F1 - Urban and Territorial Planning and Design, Academic Discipline **ICAR/20** – Urban and Regional Planning, n 1 Researcher for the Academic Recruitment Field 04/A3 – Engineering Geology, Physical Geography and Geomorphology - Academic Discipline **GEO/05** – Engineering Geology and n.



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1 Researcher for the Academic Recruitment Field 09/F2 – Telecommunications, Academic Discipline ING-INF/03 – Telecommunications;

## 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. 8** (eight) 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
1	Department of Information Engineering, Computer Science and Mathematics	01/A2 - Geometry and Algebra	MAT/02 – Algebra	1
2		09/F2 - Telecommunications	ING-INF/03 – Telecommunications (position a)	1
3		09/F2 - Telecommunications	ING-INF/03 – Telecommunications (position b)	1
4	Department of Civil, Construction-Architectural and Environmental Engineering	08/A4 - Geomatics	ICAR/06 – Surveying and Mapping	1
5		08/C1 – Design and Technological Planning of Architecture	ICAR/11 – Building Production	1
6		08/E1 – Representation of Architecture	ICAR/17 - Representation of Architecture	1
7		08/F1 – Urban and Territorial Planning and Design	ICAR/20 – Urban and Regional Planning	1
8		04/A3 – Engineering Geology, Physical Geography and Geomorphology	GEO/05 - Engineering Geology	1

1. Attachments **1, 2, 3, 4, 5, 6, 7** and **8** 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



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- a documentation within the deadline for application submission, to be submitted anyhow within 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](mailto: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



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or USB token shall verify that they are compatible with the Digital Signature system 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.

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

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).

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;



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- 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](http://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](http://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](http://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](http://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](mailto: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.



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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 the Attachments to 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.



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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](mailto: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



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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 1, 2, 3, 4, 5, 6, 7 and 8 to this selection announcement.

The Board also establishes the criteria to confer points to qualifications and publications of those candidates who, after preliminary assessment, shall be 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 admitted to the interview by the Board 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 to candidates. Candidates are required to appear on the date and place scheduled for their interview with a valid identity document without any further notification. 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](mailto: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 formulates a collegial judgement and, on the basis of the overall scores obtained, deliberates by majority the winner of the selection procedure.

7. All proceedings of the selection procedure are contained in the minutes of the meetings, including all the assessment results obtained during the preliminary meeting, grading of qualifications and publications submitted by candidates, the collegial judgement and evaluation of the 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 to the participants in the selection.**



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## **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. 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.  
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.



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As regards the Researcher's duties the main duties established by law in reference to the category of fixed-term and full time Researchers 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.

## **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.



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## **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, 7 April 2022

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

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## ATTACHMENT 1

<b>Academic Recruitment Field</b>	01/A2 - Geometry and Algebra
<b>Academic Discipline</b>	<b>MAT/02</b> - Algebra
<b>Title of research project</b>	Application of permutation groups to block ciphers
<b>Scientific Coordinator</b>	Prof. Norberto Gavioli. Second Tier Professor, Academic Discipline MAT/02 – Algebra at the Department of Information Engineering, Computer Science and Mathematics (DISIM), University of L'Aquila
<b>Type of contract</b>	full-time
<b>Period</b>	3 years, renewable for further 2 years
<b>Place of work</b>	Department of Information Engineering, Computer Science and Mathematics
<b>Admission requisites</b>	Requisites as per Art. 24, paragraph 3, Letter a) of Italian Law n.240/2010, 30 December 2010
<b>Teaching activities, integrated teaching activities and services to the students</b>	The total number of hours required for teaching activities, integrated teaching activities and services to the students is 350 hrs per year, of which 60 of class teaching. The Researcher shall give lectures and carry out integrated teaching activities in courses of the Academic Discipline MAT/02 – Algebra, as well as assist and tutor students, participate in examination committees, supervise thesis and Ph. D. dissertation work.
<b>Research activities</b>	<p>Research activities to be carried out in the Centre of Excellence Ex-Emerge shall focus on the design of ciphers and the study of related security by means of algebraic methods, with particular emphasis on the theory of permutation groups.</p> <p>As for symmetric cryptography, the Researcher shall deal with the study and the identification of the properties of permutation groups associated with block ciphers, necessary to ensure the security of such cryptosystems.</p> <p>The conjugacy classes of some subgroups and their normalizers may be used to design differential attacks exploiting alternative operations to the XOR. Further aims of the project are the study and definition of algebraic properties related to these families of subgroups useful to identify new vulnerabilities of known ciphers.</p> <p>Moreover, the Researcher, from an algebraic point of view, shall deal with the analysis of cryptographic security of communication protocols used in private sensor networks.</p> <p>Finally, the Researcher is expected to collaborate on an ongoing basis, as far as the Academic Discipline MAT/02 is concerned, to the research activities of the Centre of Excellence Ex-Emerge.</p>
<b>Maximum number of publications</b>	12 (twelve)

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Responsabile: Dott.ssa Loredana Taccone – tel: 0862.432023

Per eventuali informazioni rivolgersi a: Raffaele Iovenitti - Giuseppina Persia – Michela Speranza – Veronica Tomei (operatori incaricati) – tel: 0862.432176 - 2744 – 2703 - 2704

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<b>Foreign language requisite</b>	English
<b>Assessment criteria</b>	With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board shall assess content, quality and relevance to research activity proposed of the candidates' scientific publications, their CV as well as teaching and third mission activities carried out.
<b>Type of funding</b>	Funding body: CIPE (CIPE resolution 70/2017), project: EX-EMERGE

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Responsabile: Dott.ssa Loredana Taccone – tel: 0862.432023

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## ATTACHMENT 2

<b>Academic Recruitment Field</b>	09/F2 - Telecommunications
<b>Academic Discipline</b>	ING-INF/03 – Telecommunications (position a)
<b>Title of research project</b>	Study of high energy efficiency and reliability communication architectures and protocols for vehicular networks in 5G and beyond-5G contexts.
<b>Scientific Coordinator</b>	Dr. Piergiuseppe Di Marco, Researcher (RTD b), Academic Discipline ING-INF/03 – Telecommunications at the Department of Information Engineering, Computer Science and Mathematics (DISIM), University of L'Aquila Dr. Marco Pratesi, Researcher, Academic Discipline ING-INF/03 – Telecommunications at the Department of Information Engineering, Computer Science and Mathematics (DISIM), University of L'Aquila
<b>Type of contract</b>	full-time
<b>Period</b>	3 years, renewable for further 2 years
<b>Place of work</b>	Department of Information Engineering, Computer Science and Mathematics (DISIM) and Centre of Excellence Ex-Emerge, University of L'Aquila
<b>Teaching activities, integrated teaching activities and services to the students</b>	The total number of hours required for teaching activities, integrated teaching activities and services to the students is 350 hrs per year, of which 60 of class teaching. The Researcher shall give lectures and carry out integrated teaching activities in courses of the Academic Discipline ING-INF/03, as well as assist and tutor students, participate in examination committees, supervise thesis and Ph. D. dissertation work.
<b>Research activities</b>	Research activities, to be carried out within the research project EMERGE “Light commercial vehicles & emerging technologies for daily operations and emergency situations” shall focus on the study of architectures, networks and access protocols to the vehicle characterized by high energy efficiency and reliability for services related to vehicular communications and smart transport systems in 5G and beyond-5G contexts. The main perspectives concerning beyond-5G digital transformation are in fact to be found in the verticals relative to mobility and transport, in which technological progress open to 5G and a vision oriented to services have increased the interest and the expectations on the part of car manufacturers, road infrastructure owners and public institutions. The aim of the project is to extend the context of transport to the study of innovative techniques to manage communication devices with limited computational and energetic resources, e.g., monitoring and tracking sensors in the smart-road framework; using heterogeneous asymmetrical architectures which employ e.g., communications in

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Responsabile: Dott.ssa Loredana Taccone – tel: 0862.432023

Per eventuali informazioni rivolgersi a: Raffaele Iovenitti - Giuseppina Persia - Michela Speranza - Veronica Tomei (operatori incaricati) – tel: 0862.432176 - 2744 – 2703 - 2704

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	backscattering (BackCom), intelligent reflective surfaces (IRS), macro- and micro-diversity techniques.
<b>Maximum number of publications</b>	12 (twelve)
<b>Foreign language requisite</b>	English
<b>Assessment criteria</b>	With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board shall assess the candidates considering the high quality of their scientific works, documented by publication in highly-regarded international journals and conferences. Documented research experience in the Academic Discipline ING–INF/03 carried out in Italian and foreign research institutions shall also be considered. Moreover, qualifications in the field of the research activities described above to be carried out by the candidate and publications concerning the research related to the project shall be considered particularly qualifying.
<b>Type of funding</b>	Funding body: CIPE (CIPE resolution 70/2017), project: EX-EMERGE



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## ATTACHMENT 3

<b>Academic Recruitment Field</b>	09/F2 - Telecommunications
<b>Academic Discipline</b>	ING-INF/03 – Telecommunications (position b)
<b>Place of work</b>	Department of Information Engineering, Computer Science and Mathematics (DISIM), University of L'Aquila
<b>Type of contract</b>	full-time
<b>Period</b>	3 years, renewable for further 2 years
<b>Title of research project</b>	Analysis of cloud and MEC architectures for ultra-reliable and low latency security applications in 5G&beyond framework
<b>Scientific Coordinator</b>	Prof. Fabio Graziosi, First Tier Professor, Academic Discipline ING-IND/03 – Telecommunications at the Department of Information Engineering, Computer Science and Mathematics (DISIM), University of L'Aquila
<b>Admission requisites</b>	A Ph.D. in the ICT disciplines
<b>Scientific CV</b>	The expected scientific skills concern the ICT disciplines, in particular the field of 5G&beyond uRLLC, eMBB and mMTC services.
<b>Research activities</b>	<p>Research activities to be carried out within the project SICURA – “caSa Intelligente delle teCnologie per la sicUREzza – L'Aquila” deal with the study of cloud and MEC (Multiaccess Edge Computing) architectures for ultra-reliable and low latency security applications with particular reference to the issue of security of infrastructures, environment and cities (in the latter case also with reference to enhancement of cultural heritage), by means of solutions based on internet of things, artificial intelligence and with a special focus on the issue of cybersecurity.</p> <p>The project SICURA, in fact, aims at supporting the development of new business models enabled by 5G. Given the highly interdisciplinary cut of the project, the candidate is expected to have the ability to develop it in its whole, from the analytic aspect of the requisites up to that of the architectural elements in the framework (cloud, MEC and 5G&amp;beyond) enabling the development of new business models, paying, however, a particular attention to the experimental aspect. In detail, for the purposes of the project, the following is required: a deep knowledge of modern cloud architectures for the development of mission and safety critical services as well as of the main commercial solutions with particular reference to the characteristics of 5G&amp;beyond networks in order to fully exploit their potentials.</p> <p>The main contexts of reference concern the support of solutions based on massive IoT – Internet of Things able to connect up to a million devices per square kilometer ensuring, if required, high reliability and very low, controlled and guaranteed transmitting time (uRLLC – ultra Reliable Low Latency Communications). With</p>

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	<p>reference to SICURA activities, 5G technology allows for example to collect, process and integrate a great variety of information coming from the field to identify and, if possible, localize possible vulnerabilities thanks to the network ability to process a great amount of data coming from the sensors in the field and to provide not ordinary quality guarantees for typically mission and safety critical, emergency and disaster management services. With the development of 5G networks there has been a methodological evolution in the design of telecommunication systems and of the applications supported by such systems. If earlier design requirements of networks were defined by means of a system-centric approach, the development of fifth-generation networks resulted in a service-oriented approach able to vertically involve the development of application software/hardware systems, the network management and the physical layer technologies of different domains such as wireless communications and optical communications.</p> <p>To this purpose, the main target of the project is a rigorous analysis of the limits of modern cloud architectures in order to support such applications as well as the study of MEC architectures as enablers of mission and safety critical services.</p>
<b>Teaching activities, integrated teaching activities and services to the students</b>	<p>The Researcher shall carry out teaching activities, also in English, in the courses – both base and specialistic - of the Academic Discipline ING-INF/03 for a total amount of 60 hrs of class teaching per year; support and tutoring activities to the students of the Master's level degree in Telecommunication Engineering. The total amount of hours required for full time is 1.500 hrs per year, of which 350 hrs at the most to be dedicated to the above described teaching activities and services to the students.</p>
<b>Maximum number of publications</b>	12 (twelve)
<b>Foreign language requisite</b>	English
<b>Assessment criteria</b>	<p>The Examining Board shall assess the candidates considering criteria and parameters indicated in Ministerial Decree n. 243/2011, 25 May 2011.</p>
<b>Type of funding</b>	<p>The gross annual salary to reward the fixed-term, full time Researcher in compliance with Art. 24, letter a) is as defined by ministerial tables, which to date corresponds to € 50.937,10 for a total amount of € 151.191,28 for the three-year period and shall be funded by the <b>University project SICURA</b>.</p>



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## ATTACHMENT 4

<b>Academic Recruitment Field</b>	08/A4 - Geomatics
<b>Academic Discipline</b>	<b>ICAR/06 – Surveying and Mapping</b>
<b>Place of work</b>	Department of Civil, Construction-Architectural and Environmental Engineering – University of L’Aquila
<b>Admission requisites</b>	Requisites as per Art. 24, paragraph 3, Letter a) of Italian Law n.240/2010, 30 December 2010
<b>Teaching activities</b>	The total number of hours required for teaching activities, integrated teaching activities and services to the students is 350 hrs per year, of which 60 of class teaching. The total amount of hours required for research activities, teaching activities, integrated teaching activities and services to the students is 1.500 hrs per year.
<b>Teaching activities, integrated teaching activities and services to the students</b>	The Researcher shall carry out teaching activities in the courses of the Academic Recruitment Field 08/A4 – Geomatics. He/she shall then carry out the following: participate in examination committees and in orientation activities, assist and tutor students, supervise thesis and Ph.D. dissertation work.
<b>Research Activities</b>	The Researcher shall carry out research activities in the field of the Academic Discipline ICAR/06. In particular, research activities shall be concerned with: (1) classical topographical surveying both from a theoretical and a practical point of view and geomatic techniques applied to remote sensing; (2) data acquisition and processing techniques of terrestrial and UAV Photogrammetry; (3) data processing of multispectral images, SAR data and data acquisition by multispectral sensors; (4) image classification techniques, high- and very high resolution satellite images treatment techniques and use of experimental algorithms for surveys and monitoring of structures and infrastructures.
<b>Maximum number of publications</b>	12 (twelve)
<b>Foreign language requisite</b>	English
<b>Assessment criteria</b>	With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board shall assess: the candidates’ overall profile and scientific maturity; their contribution in the works submitted; their international visibility in the main citation databases; their past experience in financed research projects based on competitive calls; consistency with type of scientific commitment required.
<b>Type of funding</b>	Total amount for the three-year period: € 151.191,28 to be funded by the project 03DIDIRPROCIV20 – professionally-oriented Bachelor’s level degree “Civil Protection Techniques and Territorial Safety”. Budget Item CA.04.01.01.02 – Fixed term researchers.

Unità Organizzativa Responsabile: Settore Concorsi e Selezioni – e-mail: [conc@strutture.univaq.it](mailto:conc@strutture.univaq.it)

Responsabile: Dott.ssa Loredana Taccone – tel: 0862.432023

Per eventuali informazioni rivolgersi a: Raffaele Iovenitti - Giuseppina Persia – Michela Speranza – Veronica Tomei (operatori incaricati) – tel: 0862.432176 - 2744 – 2703 - 2704

Università degli Studi dell’Aquila – Palazzo Camponeschi – Piazza Santa Margherita, 2 – 67100 L’Aquila – [www.univaq.it](http://www.univaq.it) – [protocollo@pec.univaq.it](mailto:protocollo@pec.univaq.it)



# UNIVERSITÀ DEGLI STUDI DELL'AQUILA

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## ATTACHMENT 5

<b>Academic Recruitment Field</b>	08/C1 – Design and Technological Planning of Architecture
<b>Academic Discipline</b>	ICAR/11 – Building Production
<b>Place of work</b>	Department of Civil, Construction-Architectural and Environmental Engineering – University of L’Aquila
<b>Object of the contract</b>	Research and Teaching Activities, Integrated Teaching Activities and Services to the Students.
<b>Admission requisites</b>	Requisites as per Art. 24, paragraph 3, Letter a) of Italian Law n.240/2010, 30 December 2010
<b>Research activities</b>	The Researcher shall carry out research activities in the field of Building Production, with a special focus on the following issues: a) Management of construction activities and building process; b) Use of IoT technology in mobile or temporary construction sites, also with BIM modelling, in order to monitor security levels and risk reduction; c) Analysis of the behaviour of confined spaces, with particular reference to air quality monitoring by means of passive ventilation systems; d) Monitoring of the thermo-hygrometric parameters in the control of the cladding performance in order to improve people’s well-being, comfort and security.
<b>Teaching activities, integrated teaching activities and services to the students</b>	The Researcher shall carry out teaching activities, also in English, in the courses of the Academic Discipline ICAR/11 – Building Production. He/she shall then carry out the following: participate in examination committees and in orientation activities, assist and tutor students, supervise thesis and Ph.D. dissertation work.
<b>Teaching activities</b>	The total number of hours required for teaching activities, integrated teaching activities and services to the students is 350 hrs per year, of which 60 of class teaching. The total amount of hours required for research activities, teaching activities, integrated teaching activities and services to the students is 1.500 hrs per year.
<b>Maximum number of publications</b>	12 (twelve)
<b>Foreign language requisite</b>	English
<b>Assessment criteria</b>	With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board shall assess: the candidates’ overall profile and scientific maturity; their contribution in the works submitted; in particular, consistency with the functions to be carried out shall be considered.



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## ATTACHMENT 6

<b>Academic Recruitment Field</b>	08/E1 – Representation of Architecture
<b>Academic Discipline</b>	ICAR/17 - Representation of Architecture
<b>Place of work</b>	Department of Civil, Construction-Architectural and Environmental Engineering – University of L’Aquila
<b>Object of the contract</b>	Research and Teaching Activities, Integrated Teaching Activities and Services to the Students.
<b>Admission requisites</b>	Requisites as per Art. 24, paragraph 3, Letter a) of Italian Law n.240/2010, 30 December 2010
<b>Teaching activities</b>	The total number of hours required for teaching activities, integrated teaching activities and services to the students is 350 hrs per year, of which 60 of class teaching. The total amount of hours required for research activities, teaching activities, integrated teaching activities and services to the students is 1.500 hrs per year.
<b>Teaching activities, integrated teaching activities and services to the students</b>	The Researcher shall carry out teaching activities, also in English, in the courses of the Academic Recruitment Field 08/E1 – Representation of Architecture. He/she shall then carry out the following: participate in examination committees and in orientation activities, assist and tutor students, supervise thesis and Ph.D. dissertation work.
<b>Research activities</b>	The Researcher shall carry out research activities in the issues of the Academic Discipline ICAR/17. In particular, these activities shall focus on: (1) Architectural survey, (2) Documentation of architectural heritage, (3) 3D modelling of buildings, (4) Building Information Modelling of historical buildings.
<b>Maximum number of publications</b>	12 (twelve)
<b>Foreign language requisite</b>	English
<b>Assessment criteria</b>	With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board shall assess: the candidates’ overall profile and scientific maturity; their contribution in the works submitted; in particular, consistency with the functions to be carried out shall be considered.
<b>Type of funding</b>	Total amount for the three-year period: € 151.191,28 to be funded by the <b>University project SICURA</b> – Budget Item CA.04.01.01.02 – Fixed term researchers.



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## ATTACHMENT 7

<b>Academic Recruitment Field</b>	08/F1 – Urban and Territorial Planning and Design
<b>Academic Discipline</b>	ICAR/20 – Urban and Regional Planning
<b>Place of work</b>	Department of Civil, Construction-Architectural and Environmental Engineering – University of L’Aquila
<b>Admission requisites</b>	Requisites as per Art. 24, paragraph 3, Letter a) of Italian Law n.240/2010, 30 December 2010
<b>Period</b>	3 years, renewable for further 2 years
<b>Object of the contract</b>	Research and Teaching Activities, Integrated Teaching Activities and Services to the Students.
<b>Teaching activities</b>	The total number of hours required for teaching activities, integrated teaching activities and services to the students is 350 hrs per year, of which 60 of class teaching. The total amount of hours required for research activities, teaching activities, integrated teaching activities and services to the students is 1.500 hrs per year.
<b>Teaching activities, integrated teaching activities and services to the students</b>	The Researcher shall carry out teaching activities, also in English, in the courses of the Academic Recruitment Field 08/F1 – Urban and Territorial Planning and Design. He/she shall then carry out the following: participate in examination committees and in orientation activities, assist and tutor students, supervise thesis and Ph.D. dissertation work.
<b>Research activities</b>	The Researcher shall carry out research activities in the field of the Academic Discipline ICAR/20. In particular, these activities shall focus on: Urban and Territorial Planning applied to the issues dealt with in the project SICURA which aims at supporting the development of new business models enabled by 5G related to the issue of security of infrastructures, environment and cities by means of solutions based on internet of things, artificial intelligence and with a special focus on the issue of cybersecurity. In particular: (a) Measurement of the environmental interference and risk concerning the settlement, (b) Indicators Engineering, (c) Control and sustainability of urban expansion, (d) Analysis, monitoring and environmental assessment techniques, (e) Integration between GIS-based and ICT technologies for emergency fast planning.
<b>Maximum number of publications</b>	12 (twelve)
<b>Foreign language requisite</b>	English
<b>Assessment criteria</b>	With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board shall assess: the candidates’ overall profile and scientific maturity; their contribution in the works submitted; their international visibility in the main citation databases; their past experience in financed

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Responsabile: Dott.ssa Loredana Taccone – tel: 0862.432023

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	research projects based on competitive calls; consistency with type of scientific commitment required.
<b>Type of funding</b>	Total amount for the three-year period: € 151.191,28 to be funded by the <b>University project SICURA</b> – Budget Item CA.04.01.01.02 – Fixed term researchers

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## ATTACHMENT 8

<b>Academic Recruitment Field</b>	04/A3 – Engineering Geology, Physical Geography and Geomorphology
<b>Academic Discipline</b>	<b>GEO/05</b> - Engineering Geology
<b>Place of work</b>	Department of Civil, Construction-Architectural and Environmental Engineering – University of L’Aquila
<b>Object of the contract</b>	Research and Teaching Activities, Integrated Teaching Activities and Services to the Students.
<b>Admission requisites</b>	Requisites as per Art. 24, paragraph 3, Letter a) of Italian Law n.240/2010, 30 December 2010
<b>Period</b>	3 years, renewable for further 2 years
<b>Teaching activities</b>	The total number of hours required for teaching activities, integrated teaching activities and services to the students is 350 hrs per year, of which 60 of class teaching. The total amount of hours required for research activities, teaching activities, integrated teaching activities and services to the students is 1.500 hrs per year.
<b>Teaching activities, integrated teaching activities and services to the students</b>	The Researcher shall carry out teaching activities, also in English, in the courses of the Academic Recruitment Field 04/A3 – Engineering Geology, Physical Geography and Geomorphology. He/she shall then carry out the following: participate in examination committees and in orientation activities, assist and tutor students, supervise thesis and Ph.D. dissertation work.
<b>Research activities</b>	The Researcher shall carry out research activities in the field of the Academic Discipline GEO/05 - Engineering Geology. In particular, the research project shall concern Engineering Geology for seismic and landslide risk mitigation in pilot areas duly selected in central Italy. The project shall be pursued by means of the following activities: (1) small and large scale geological and geomorphological surveys; (2) geophysical and geognostic investigations for subsoil models processing; (3) creation of databases and maps in GIS environment; (4) Planning and management of monitoring networks; (5) Interpretation of remote sensing data for the time-space analysis of geological processes; (6) Simulation of local seismic effects and landslide susceptibility patterns.
<b>Maximum number of publications</b>	12 (twelve)
<b>Foreign language requisite</b>	English
<b>Assessment criteria</b>	With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board shall assess: the candidates’ overall profile and scientific maturity; their contribution in the works submitted; their international visibility in the main citation databases; their past experience in financed research

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	projects based on competitive calls; consistency with type of scientific commitment required.
<b>Type of funding</b>	Total amount for the three-year period: € 151.191,28 to be funded by the <b>University project SICURA</b> – Budget Item CA.04.01.01.02 – Fixed term researchers

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