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PUBLIC COMPETITION FOR TWO POSITIONS TO Ph.D. COURSE IN INFORMATION AND COMMUNICATION TECHNOLOGIES – ICT - GRANT AGREEMENT N. 813884 OF THE PROJECT "LOWCOMOTE"

ACADEMIC YEAR 2019/2020

THE RECTOR
OF THE UNIVERSITY OF L'AQUILA

IN FORCE OF law May 9, 1989 n. 168, concerning the establishment of the Ministero dell'Università e della Ricerca Scientifica e Tecnologica;

IN FORCE OF law August 13, 1984 n. 476, establishing rules on university scholarships;

IN FORCE OF law November 30, 1989 n. 398, establishing rules on university scholarships;

IN FORCE OF article n. 4 of the law of July, 3 luglio 1998 n. 210, which provides that the universities, with their own regulation establish the Ph.D. schools;

IN FORCE OF article 19 of the law of December, 30 2010 n. 240;

HAVING REGARD TO the D.P.C.M. of April 9, 2001 "Disposizioni per l'uniformità del trattamento sul diritto agli studi universitari" according to the article n. 4 of the law of December 2, n. 390;

IN FORCE OF legislative decree March 29, 2012 n. 68;

IN FORCE OF subsection 262 of the law of December 11, 2016 n. 232;

HAVING REGARD TO D.M. n. 45 of February 8, 2013 *"Regolamento recante modalità di accreditamento delle sedi e dei corsi di dottorato e criteri per la istituzione dei corsi di dottorato da parte degli enti accreditati"*;

HAVING REGARD TO the DD. MM. 509/1999 e 270/2004 which provides rules about the didactic autonomy of Universities;

HAVING REGARD TO the rules for the admission of foreign students to the university course pubblished on MIUR web site;

HAVING REGARD TO the Regulation of the Ph.D. Schools of the University of L'Aquila;

HAVING REGARD TO the Grant Agreement n. 813884 of the project "Lowcomote";

HAVING REGARD TO the resolution of the Board of Professors of Ph.D. in Information and communication technologies – ICT of March 13, 2019;

HAVING REGARD TO the resolution of the Academic Senate of April 29, 2019;

HAVING REGARD TO the resolution of the Board of Administration of April 30, 2019;

HEREBY DECREES
ART. 1

Public competition procedures based on qualifications and examinations for admission to the Ph.D. Course in Information and communication technologies – ICT at the University of L'Aquila.

The course will be activated under the condition of accreditation by the Ministry of Education, Research and the University pursuant to Ministerial Decree n. 45/2013.

Ph.D. Course in INFORMATION AND COMMUNICATION TECHNOLOGIES – ICT	
Positions available	**2**
Financial employment	• First stage researcher
Grant Funding	Project "Lowcomote"- HORIZON 2020 Actions-MSCA-ITN-2018-ETN Marie Skłodowska - Curie Innova-tive Training Networks, Project ID 813884
Local Project Coordinator	*Professor Davide Di Ruscio* davide.diruscio@univaq.it
Project Description	The positions are funded through the EU Marie-Sklodowska-Curie Innovative Training Network (ITN) Lowcomote. Lowcomote is focused on the development of complex software systems by means of dynamic graphical user interfaces, visual diagrams and declarative languages. The main objective is addressing the need of non-programmers to develop personalised software, and to focus on their domain expertise instead of implementation requirements. Lowcomote provides an international and highly visible framework covering a wide range of conceptual expertise. The present announcement concerns the ESR6 and ESR15 projects defined at the address https://www.lowcomote.eu/.
Candidate Profile	We are looking for candidates with strong interest in software engineering and model driven engineering. Moreover, candidates are expected to have skills in object-oriented design and development. Experience with language/model engineering frameworks (e.g., EMF, ATL, Epsilon) or relational/non-relational data persistence technologies will constitute a preferential element. A good command of written and spoken English is required.
Duration	3 years
Curriculum	Emerging computing models: algorithms, software architectures and intelligent systems
University Department Responsible for the Ph.D.Course	Department of Engineering, computer science and mathematics
Ph.D. Course Coordinator	*Professor Vittorio Cortellessa* vittorio.cortellessa@univaq.it
Admission Pre-requisites	All Master-level Degrees or foreign degrees with certified equivalency or recognized as equivalent to the aforementioned qualifications. At the time of recruitment, the candidates must not have resied, or carried out his/her activity in Italy for more than 12 months in the 3 years prior to recruitment date. When starting their contract selected researchers should be within the first four years of their careers. This means being both within a four years window following their most recent graduation and not having been awarded a prior doctoral degree so far.
Admission Procedure	Qualification assessment and oral exam. Foreign applicants may sit the oral exam in English. Candidates residing abroad may request to take the oral exam via web (Skype and other). In this case the candidate must specify the means they wish to use for their interview indicating a valid contact address. This request must be authorized by the testing commission once the identity of the candidate has been certified, to this end the candidate shall be required to show a valid identification document with recent

	photo during the oral exam.
Documents to be enclosed in the Application	1. CV 2. Candidates holding Italian Degrees must provide a self-certification concerning their Bachelor-level Degree and Master-level Degree with a list of exams taken and marks obtained (only for candidates who have obtained their Degree in Italy or a EU country); If the candidate has a foreign Degree obtained in a non-EU country, a copy of the Degree certification obtained with a transcript of records of the exams taken and an Italian or English translation provided by the applicant under his/her responsibility; any other documentation deemed useful for the qualification assessment (Diploma Supplement, declarations etc.). In any case, the examination commission reserves the right to evaluate the foreign Degree presented by the candidate. 3. The candidate must indicate the name of at least 2 contacts with their e-mail address. The referees will receive an e-mail with the instruction to write the recommendation letter directly on line. 4. Motivational letter that highlights the coherence between the candidate's profile and the ESR positions referred to in this announcement. 5. Any publications and research projects in which the candidate has participated, deemed useful for the purposes of the evaluation. 6. Other qualifications deemed appropriate for evaluation. 7. Photocopy of the candidate's identity card and, for those who request to take the oral exam via web, a recent photograph is required.
Language(s)	**Assessment of foreign language skills** English language skills and competence shall be assessed during the oral exam. **Admission** The candidate may take the oral exam in ENGLISH
Exam schedule	*Evaluation of documentation:* 8th July, 2019 at the Department of Information engineering, computer science and mathematics. *Interview:* the interview will take place between July 10th and July 12th, 2019. The candidates admitted to the interview will receive an email by the Local Coordinator with the date and the time of the interview.
Assessment Criteria	The assessment procedure consists in two phases: qualification assessment and an oral exam. Scores are indicated out of a total of 100 points, assigned as follows: 1. Qualification assessment: Max. 50/100 points attributed through assessment of the candidate's CV, letters of recommendation, publications and other qualifications. The minimum score required for admission to sit the oral exam is 30/100. 2. Oral exam: Max. 50/100, the oral exam aim is to evaluate the candidate's aptitude and motivation for research. The oral exam for the project ESR6 will be about the adoption of scalable persistence technologies. The oral exam for the project ESR15 will be about the adoption and composition of software services. The exam includes assessment of the candidate's English language skills. Foreign students may sit the oral exam in English.

ART. 2
Requirements for Access

Candidates holding a Master-level Degree or other University Degree corresponding to criteria specified in DM – Ministerial Decree – 509/1999, or those holding a foreign Degree with certified equivalency, within the deadline of this selection announcement, may, with no limitations as to age or citizenship, apply to participate in the Ph.D. selection process.

Candidates holding a foreign Degree who have not as yet obtained certified equivalency required for the admission to the Ph.D course, must include the following documents in their application (necessary for the Examination Commission to evaluate the Degree as conforming to requirements):
- a copy of the Degree certification obtained with a transcript of records of the exams taken and an Italian or English translation provided by the applicant under his/her responsibility;
- any other documentation deemed useful for the qualification assessment (Diploma Supplement, declarations etc.) .
The academic qualification held by the candidate must refer to a course with a duration of at least 4 years and allow the access to a Ph.D. course in the country in which it was awarded.
Eligibility of the qualification will be verified by the Course's Admission Committee and will only be granted for the sole purpose of admission to the chosen Ph.D. course.

The selection procedure is **NOT OPEN** to candidates who have already been awarded by a doctoral degree.

The selection procedure is **NOT OPEN** to candidates that at the time of recruitment, have resided or carried out their main activity (work, studies, etc.) in Italy for more than 12 months in the 3 years prior to recruitment date**.**

ART. 3
Applications

The application form may only be submitted using the dedicated online procedure, available at: https://pica.cineca.it/univaq/dott35-ing/ Applications must be submitted **no later than the June 24, 2019 at 1:00 p.m. (CEST).**

The application must be signed, **missing the signature the application will be rejected**.

There are 3 methodologies to sign it and the candidate must select one of them and read carefully they directions.
- 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 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 saved and uploaded again in 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.

All required documents to be submitted, listed in the information sheet for the Ph.D. course, must be annexed to the application form, together with a copy of an identity document. All documentation must be attached in pdf format.

For all legal purposes, the application is to be considered as a self-certification of the data included therein and of the attached documents, in accordance with articles 46 and 47 of Italian Presidential Decree no. 445/2000 and subsequent amendments.

The candidate must request of at least **2 reference letters.** A notification will be sent automatically sent to the selected referee only when the application has been fully submitted. The referee must compile the reference letter scheme and submit it by the deadline of 1st July, 2019 at 1:00 p.m. CEST.
Reference letters attached by the candidate will not be taken into consideration.

The application is automatically sent to the University when the online procedure has finally been completed. Therefore, no paperwork needs to be delivered or sent to the University's offices.

Candidates are invited to complete applications for the selection process well in advance of the closing date specified in this call. Candidates are responsible for verifying that the procedure is completed correctly. No complaints will be accepted for any malfunctioning of the IT system due to overload experienced by candidates near the closing date.

After the deadline of the call it will no longer be possible to change the application for participation.

In force of Italian Law no. 104/92, as amended by Italian Law no. 17/99, disabled candidates may request an individual examination (with the use of aids, any additional time required, etc.) to complete the required entry examinations.

In accordance with Italian Law no. 170/2010, candidates with specific learning disabilities are allowed 30% more time to complete written exams, if required for the selection process for admission to the chosen Ph.D. course, subject to a request for an individual examination. The request must be written in accordance with the instructions available as part of the online application procedure for the selection process.

ART. 4
Examinations

The examination procedures and the dates of the exams are indicated in art. 1.

The Candidates will receive communications about the admission, the date and the time of the interview by email from the Local Project Coordinator.

A candidate's absence at the time and place indicated for examinations will automatically mean he/she renounces to participate at the competition.

Candidates are not required to be present during the evaluation procedure of the submitted documents.
Applicants admitted at the interview must be present on the dates and times indicated with a valid identification card.
Candidates may request to sit the oral exam in english language.
The interview may be carried out via video conference communication systems (e.g. Skype). In this case, the candidate is required to provide contact information in their application and guarantee the use of a web-cam to allow the Examination Committee to verify the candidate's identity.

ART. 5
Examination Committee
Assessment Criteria and Ranking List

The Examination Committee is appointed by rectoral decree and is composed by a minimum of three to a maximum of five members among professors and assistant professors.

The candidate's scores will be indicated out of a total of 100 points.

The results of the assessment of the qualifications will be published on the web site of the University http://www.univaq.it/en/section.php?id=1957&lang_s=en and/or on the web site of the concerned Department.

The interview will focus on the topics indicated in the sheet. The jury, at the end of each session, forms the list of candidates examined for each project, with an indication of the grades obtained by each of them.

The lists, signed by the President and by the secretary of the Examination Committee will be published on the Department's notice board and /or the site of the Department at which the test was conducted, on the same day of the oral examination.

Once the competition have been completed, the Examination Committee draws up two final ranking lists, one referring to the ESR6 project and one referring to the ESR15 project, according to the sums of the obtained scores. The University Administration makes this list public by publishing the list on the official notice board of the University and on the University web site provided, the validity of the examination procedure has been checked.

Candidates will be admitted to the course according to the order established in the general merit ranking within the limit of the places specified in the announcement.

In case of equal merit, the Ph.D. position will be conferred to the younger candidate.

This selection is also valid to get the employment position as first stage researcher.

ART. 6
Enrolment in Ph.D. Courses
The successful candidates, within August 8, 2019, must send the following documents using the forms available on the web-site to: Settore Dottorati, Assegni e Borse di Ricerca dell'Università – Via Giovanni di Vincenzo 16/b – 67100 L'AQUILA:

a) enrolment application to the first year of the Ph.D. Course for the academic year 2019/2020, on certified paper "carta legale" in accordance with art. 46 and 47 of the Presidential Decree of 28 December, 2000, n-445, containing the following:
- self- certified declaration of citizenship
- self-certified secondary (high) school Diploma;
- self-certified Degree certificate indicating final mark;
- statement declaring that the applicant is not also enrolled in a University Degree Course or a School of Specialization or any other Master-level course, university-level vocational course or other doctoral or Ph.D. course;
- statement declaring that the applicant shall, for the full duration of the Ph.D. Course, NOT ENROL in any other university course, as specified above.
- statement declaring that the applicant shall adhere to and attend all activities prescribed for the Ph.D. Course they have been selected for in accordance with the decisions taken by the Board of Professors;

• statement declaring that the applicant shall ask the Board of Professors for authorization to accept, or continue to carry out, any other type of "external" work while they are enrolled in the Ph.D. Course;

b) photocopy of the applicant's identification document;

c) photocopy of assigned fiscal-code number;

d) photocopy of the applicant's "permesso di soggiorno", Italian-residence permit, only for no EU-citizens;

e) a passport-size photo;

f) receipt of payment of the regional university tax of €140,00 to be paid via bank transfer to: "Azienda per il Diritto agli Studi Universitari, bank account:BPER,/Code or IBAN: IT 88D 053 870 3601 000 000 040 909".

Foreign citizens must declare possessing the following requisites:

1) that they benefit from civil rights and right to vote in their country;

2) that, aside from Italian citizenship, they possess all other requisites required for citizens of the Italian Republic.

Applicants holding a university Degree awarded abroad must enclose the following documents, translated and certified by competent Italian Diplomatic Authorities:

- copy of their university degree indicating their final mark;

- Degree transcripts indicating the exams taken during their course and marks awarded.

If the above documentation is not available at the time of enrolment, the candidate's enrolment shall be deemed "subject to verification" (con riserva). In this case all above mentioned compulsory documentation must be submitted **by and no later than 31ᵗʰ December 2019, failure to do so will result in expulsion from the course.**

Within 15 days from the start of the Ph.D. Course, the successful candidate must send a photocopy of a receipt from the INPS (national social security service) addressed to: Segreteria Amministrativa Contabile del Dipartimento di Ingegneria e scienze dell'informazione e matematica, Università degli Studi dell'Aquila, Via Vetoio 1 – 67100 L'AQUILA, certifying that they have been registered in "posizione contributiva alla gestione separata" (for information visit the INPS web-site at www.inps.it).

False declarations lead to the candidate's expulsion from the Ph.D. course and to prescribed sanctions for such offenses, vacant positions will be assigned to other candidates according to the ranking list.

Successful candidates who do not want to enroll in the Ph.D. course they have been selected for, must immediately send a signed letter of renouncement enclosing a photocopy (front-back) of their identity card.

Candidates selected as replacements must write a letter of acceptance within three days of notification that they have been accepted. All other necessary documents indicated in this announcement must be submitted within, and no later than, ten days after receiving notification.

ART. 7
Salary amount

The Research employment contract, indicated in the Ph.D. chart (art. 1) is assigned according to the ranking list drawn up by the Examination Committee as established in the previous art. 5.

The successful candidate will receive a gross living allowance per year of € 40967,00 (including income tax and retirement pension contribution). This amount is subject to INPS (Social Security Service) contributions amounting to 34,23% for the year 2019, of which 11,41% is to be paid by the grant beneficiary.

The successful candidate will receive a total mobility allowance of € 7200,00 and a family allowance (depending on family status at the date of recruitment) of € 3000,00.

The above salary cannot be accumulated with other grants except for those provided by national or foreign institutions which are aimed at integrating the Ph.D. student's research activity with periods abroad.

The total of the living, mobility (family) allowance will be paid monthly.

ART. 8
Lessons Abroad

During the appointment the Ph.D. student has to spend time in other participating institutions through a secondment scheme, according to the Local Project Coordinator advise.
The Ph.D. student before going abroad, must sent to the Ph.D. office, *Settore Dottorati, Assegni e Borse di Ricerca,* the following documents:
- signed authorization by the course Coordinator for training/study periods abroad of less than 6 months or
- board resolution allowing a period of over 6 months.

Upon returning to Italy the Ph.D. student shall present to the course Coordinator the certification from the foreign institution stating the Ph.D. student's attendance, to be transmitted to *Settore Dottorati, Assegni e Borse di Ricerca.*

ART. 9
Tuition Fees

The full tuition amounts to the required Regional university tax as specified in the art. 6.
In case of delayed payment the students has to add to the previous amount the tax of € 52.00.

ART. 10
Rights and Duties

1. Ph.D. students are obliged to attend lessons and carry out all prescribed activities regularly in accordance with the programs and schedules set by the Board of Professors and according to the Coordinator of the EU-Network Lowcomote;

2. He/She will have to partecipate to the activities of the EU-Network Lowcomote as specified by the Program and/or required by the Project Coordinator and/or Supervisors, including involments in meetings, schools, workshops and training activities;

3. During the appointment the Ph.D student has to spend time in other participating institutions through a secondment scheme, according to the Local Project Coordinator advise.

4. He/She will write up the results of research activity and present research papers and publications at meetings and conferences as advised by Supervisors.

5. The University provides insurance coverage for the entire duration of the Ph.D. course and for activities pertaining to the course;

6. Interruptions in attendance shall be allowed for, illness or injury for periods of 30 days or more;

7. Maternity/paternity leave and leave for adoption or foster care may also be authorized. Maternity-leave laws and regulations as indicated in Gazzetta Ufficiale n. 247 of 23rd October, 2007 shall be applied only to scholarship holders.

8. A Ph.D. student's unexcused absence or non-fulfillment of obligations shall result in his/her exclusion from the course by the Board of Professors.

9. Ph.D. students enrolled at the University of L'Aquila may carry out limited teaching or tutoring activities within the University's Bachelor and Master-level degree courses if so established and programmed by the Board of Professors in agreement with the University Department.

ART. 11
Graduation

The Ph.D. thesis can be written in Italian or in English and has to have an abstract in Italian or English. The Ph.D. thesis can be written in a language different form Italian or English provided the Board of Professors's authorization.
The evaluation committee for the Ph.D. thesis defence will be appointed according to the Ph.D. Courses University Rules.

The title of Doctoral degree (Dott. Ric or Ph.D.) will be awarded provided a positive evaluation of the Ph.D. thesis, taking into account the achieved results.

ART. 12
Responsabilties of the competition procedure

According to the art. 5 of the law 07/08/1990, n. 241, it is appointed responsibile of the competition procedure the Responsabile del Settore Dottorati, Assegni e Borse di ricerca – Università degli Studi dell'Aquila – Via Giovanni Di Vincenzo n. 16/b - 67100 L'Aquila.

ART. 13
Legal Reference

For all other matters not foreseen or included in this announcement we shall refer to Law n. 210 of 03/07/98, Law n. 240 of 30/12/2010, Ministerial Decree 45/2013 and to the "Regolamento dei corsi di Dottorato di Ricerca" (Ph.D. regulations) of this University and to the Grant Agreement N. 813884 of the Project Lowcomote.

This announcement is available at: http://www.univaq.it/en/section.php?id=1957&lang_s=en

and may also be accessed through path: Home » Research » Research training » Research Doctorates » Announcements, assessment committees, ranking.

Further information may be requested by contacting the competent Ph.D. office:
Settore Dottorati, Assegni e Borse di Ricerca – tel. 0862/432055/432062/432061/432032
e-mail: dot@strutture.univaq.it.

Further information concerning the EU Project Lowcomote may be requested by contacting the Local Project Coordinator:
Professor Davide Di Ruscio – tel. +39 0862 433187 - e-mail: davide.diruscio@univaq.it.

L'Aquila, 13th May 2019

LA RETTRICE
F.to Prof.ssa Paola Inverardi

Unità Organizzativa Responsabile: Settore Dottorati, Assegni e Borse di Ricerca
Via Giovanni Di Vincenzo, 16/b – 67100 L'Aquila - e-mail dot@strutture.univaq.it – fax 0862/431214
Responsabile del Settore: Rossana Rotondi – tel. 0862/432032
Per eventuali informazioni rivolgersi a: Simonetta Ricciardi – 0862/432055 - Gabriella Marcelli – tel. 0862/432062 – Valeria Gentile – tel. 0862/432061

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