



UNIVERSITÀ
DI SIENA
1240

SERVIZIO CONCORSI E
PROCEDIMENTI ELETTORALI

Provision of the Registrar Index no. **61/2016**
Register n. **2583 - VII/1** of **26 GEN. 2016**

Comparative selection procedure based on qualifications, a public interview and oral exam for the recruitment of a Fixed Term Junior Research Associate, in accordance with art. 24, parag. 3, letter a) of Law no. 240 dated 30.12.2010, for a three year term – full time, with a gross annual salary of € 150.000,00 paid by external funds, academic recruitment field 09/F2 Telecommunications, academic discipline ING-INF/03 Telecommunications - Department of Ingegneria dell'Informazione e Scienze matematiche, research project: "Development of Wireless Technologies for tracking and environmental monitoring and integration with Smart Devices" – Scientific Head Prof. Alessandro MECOCCHI.

ADMISSION REQUIREMENTS

Applications for the comparative selection procedure are accepted from EU and non-EU candidates holding:

- a PhD or equivalent completed in Italy or abroad;
- a diploma of medical specialization in the relevant area(s). Preference will be given to those in possession of a PhD or equivalent.

Academic qualifications obtained abroad must normally be recognized in Italy pursuant to current applicable legislation (further information is available on the website of the Ministry of Education, University and Research: www.miur.it)

Candidates must be in possession of the requirements for admission to the selection procedure by the deadline of this call.

Applications cannot be accepted from the following people: retired or currently employed full or associate University professors or researchers; those who have a relationship of consanguinity or affinity up to and including the fourth degree with a professor employed at the Department proposing the activation of the contract, or with the Rector, the Registrar or a member of the University Council.

Application Procedure

Applications for admission to the procedures and the documents indicated below must be lodged by certified email to rettore@pec.unisipec.it or email to concorsi@unisi.it within 30 days starting the day after the publication of this call in the *Gazzetta Ufficiale della Repubblica Italiana*.

Proof of receipt will be considered as: for applications sent by certified email (PEC) rettore@pec.unisipec.it - the date of the delivery receipt sent automatically by the system; for those sent by email concorsi@unisi.it the date of the University terminal that receives them. The University administration declines any responsibility for non-receipt of applications due to third party liability. To check whether an application has been received and is deemed complete, candidates can contact the University's *Servizio Concorsi e Procedimenti Elettorali* (tel. + 39 0577 235060 - 235058 - 235059). Applications must be accompanied by a copy of the candidate's identity document under art. 38 of Presidential Decree no. 445 of 28 December 2000.

Applications must be compiled according the enclosed model (Annex A), providing all the information required.



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Candidates must enclose with the application:

- a maximum of 15 scientific publications;
- a signed curriculum vitae
- Declaration in lieu of certification (Annex B)
- copy of the candidate's identity document

EXAMINING COMMISSION

The Examining Commission is composed of three full professors or researchers (including one from outside the University of Siena) belonging to the relevant academic recruitment field.

EVALUATION OF QUALIFICATIONS, PUBLIC INTERVIEW AND ORAL EXAM

The selection is made by through a preliminary evaluation of candidates and a reasoned analytical judgment of their academic qualifications, curriculum and scientific productivity, including their doctoral thesis, if applicable, based on the criteria and parameters specified in Ministerial Decree 243 dated 25.05.2011.

Following the preliminary evaluation, the top 10 to 20 per cent of the most merit-worthy candidates, and in any case no less than six, will be admitted to a public interview with the Commission concerning their qualifications and scientific work. If only six or less candidates apply, all of them will be admitted to the interview.

On the same occasion as the interview, candidates will be required to take an oral exam in the **English Language**, to ascertain their proficiency, as declared in their academic qualifications. Candidates who do not pass the oral exam are not considered eligible.

Prior to the start of the interview, the candidate must declare under his/her own responsibility, pursuant to article 7 of the University Code of Ethics, that he/she does not have a relationship of consanguinity or affinity up to and including the fourth degree with any member of the Committee, and that the Committee does not include his/her spouse or partner or any persons with whom he/she has business relations.

Following the interview, a score is given to the qualifications and each publication presented by the candidates who have passed the oral exam, according to criteria established in advance by the Commission itself.

The Commission writes up a report at the end of each individual meeting.

A notice inviting candidates for the interview and oral exam will be sent to the individual candidates at least fifteen days before the date of the interview and exam. This notice need not be given fifteen days in advance if all candidates admitted to the selection provide their explicit written consent.

Candidates must bring their identity document.

EU nationals must bring their passport or identity document issued by their country of origin. Candidates from non-EU countries must only bring their passport.

RANKING LIST AND PROPOSAL OF EMPLOYMENT

Upon completion of the selection procedure, the Commission draws up a ranking list of eligible candidates. This list is valid for two years.

CONTRACT AND ACTIVITIES

The successful candidate will be offered a full time three-year contract. The contract can be renewed only once for a two-year period, subject to the availability of financial resources as well as a positive evaluation of the teaching and research carried out. This evaluation will be made in accordance with the methods, criteria and parameters specified by ministerial decree.



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The University will pay for insurance against accidents and third party liability.

In line with the project, the researcher will carry out the following research activities:

The research activity to be carried out deals with the project and development of innovative solutions for environmental monitoring, based on WSN and RFID technologies. In particular, low cost solutions for monitoring activities, based on the Arduino platform and similar, will be realized and tested, focusing on marine environment and natural and cultural heritage, developing ZigBee-based network architectures. Tracking solutions based on RFID technology for marine environment will also be studied, for both activities of environmental monitoring and cultural heritage protection. All the developed monitoring solutions are expected to be integrated with common smart devices (Android and iOS) to implement a "Social Sensing" solution.

The successful candidate will be responsible for a total of 60 hours of classroom teaching each academic year.

The total annual commitment to teaching, supplementary teaching and student support is equivalent to 350 hours; for the purposes of reporting on the research project, the research, supplementary teaching and student support together are figuratively equal to 1500 each year.

In the case of public funding, the contract will be terminated should the funding not be received. The trial period lasts three months.

INCOMPATIBILITY AND OTHER COMMITMENTS

The research contract is not compatible with the following:

- any other contract of employment with a public or private body;
- research grants from other Universities;
- teaching contracts regulated by the relevant provisions in force;
- doctoral or post-doctoral research grants or, in general, any grant or scholarship for any purpose awarded by the University or any third party;

PUBLICATION

This call and the summary in English are published on the University's Albo on line, on the web page at the following address: <http://www.unisi.it/ateneo/concorsi>, on the website of the Ministry for Education, University and Research (www.miur.it) and on the European Union portal (<http://ec.europa.eu/euraxess/>).

Siena, _____

The Registrar
Marco Tomasi

Procedure manager
Maria Bruni

