



UNIVERSITÀ
DI SIENA
1240

PhD OFFICE

**NOTICE OF SELECTION FOR THE DOCTORAL PROGRAM IN
INFORMATION ENGINEERING AND INFORMATION SCIENCE – DEADLINE: 6 July 2020**

ART. 1 – SUBJECT OF THE NOTICE

1.1 The University of Siena hereby announces a selection for admission into the PhD program for Information Engineering and Information Science for the 2020-2021 academic year provided that the PhD obtains the renewal of its ministerial accreditation for cycle XXXVI. The essential attributes of the PhD are as follows:

**DOCTORATE IN INFORMATION ENGINEERING AND INFORMATION SCIENCE
A.A. 2020-2021 – CYCLE XXXVI**

DOCTORAL PROGRAM	INFORMATION ENGINEERING AND INFORMATION SCIENCE		
COORDINATOR	Antonio Vicino antonio.vicino@dii.unisi.it		
Department	Information Engineering and Mathematics (<i>Ingegneria dell'Informazione e Scienze Matematiche</i>)		
Positions To Announce	12		
Of Which:			
University Scholarship Positions	4	Subject of research: Open	
Positions With University Faculty Scholarships	1	Faculty of Information Engineering and Information Science (Prof. Maci)	Subject of research: Innovative antennas for 5G
	1	Faculty of Information Engineering and Information Science (Prof. Barni)	Subject of research: Detection of Fake Media Generated by Means of Artificial Intelligence Techniques
	1	Fondazione Istituto Italiano di Tecnologia	Subject of research: Manipulation Robotics and Haptic Interfaces
Positions With Third-Party Scholarships	1	Expert System SPA	Subject of research: Analysis and experimentation of Neural-symbolic hybrid models to Text Mining and Natural Language Understanding
	1	FBK	Subject of research: End-to-end speech recognition and understanding
Positons Without Scholarships	3		
Type of Ranking	<ul style="list-style-type: none">SINGLE COMBINED RANKING FOR SCHOLARSHIP POSITIONS WITH OPEN RESEARCH PROJECTS AND POSITIONS WITHOUT SCHOLARSHIPS		



UNIVERSITÀ
DI SIENA
1240

	<ul style="list-style-type: none">• SEPARATE RANKINGS FOR EACH OF THE SCHOLARSHIP POSITIONS WITH PREDEFINED SUBJECTS OF RESEARCH (for each of the 5 scholarships with predefined projects)
Documents Required for Evaluation (to be attached with the online application)	<p>Curriculum vitae et studiorum (signed at the bottom with the declaration, “<i>Dichiaro che quanto riportato nel presente curriculum corrisponde a verità ai sensi del D.P.R. 445/2000</i>”, which translates as, “I hereby declare that the information contained in this <i>curriculum vitae</i> corresponds to the truth according to the Decree of the President of the [Italian] Republic 445/2000”) containing:</p> <ul style="list-style-type: none">• name, date and place of birth• qualification obtained (or to be obtained by 31 October 2020) in Italy (type of degree – <i>vecchio ordinamento/specialistica/magistrale</i>; type of degree program)• qualification obtained (or to be obtained by 31 October 2020) abroad (type of degree of at least 4 years – Bachelor’s degree/Master’s degree)• issuing institution• transcripts – only for degrees obtained in Italy• date of graduation and final grade point average or expected date of graduation (by 31 October 2020)• list of publications• linguistic, technical, and computer skills• other skills and abilities• messages from the candidate <p>Candidates that obtained (or are expected to obtain by 31 October 2020) a foreign degree (of at least 4 years) must include online:</p> <ul style="list-style-type: none">• transcripts – certified proof of the degree with a list of exams and grades – translated into Italian or English• Diploma Supplement (if held) <p>In the online application, all candidates must also include:</p> <ul style="list-style-type: none">• Research project in English• Letters of recommendation (no more than two) from university professors and/or research professionals, Italian or foreign; the letters of recommendation must NOT be presented by the candidate, but rather the candidate should provide the e-mail addresses of the referrers during enrollment• Abstract of the thesis for the <i>Laurea Magistrale/Specialistica/Vecchio ordinamento</i> or equivalent foreign degree translated into Italian or English• Level B2 certification for the English language, if held• Copy of any other document deemed useful for the evaluation of the admissibility of the qualification <p>The eligibility of foreign degrees is ascertained by the Committee for the examination of admissions (<i>Commissione esaminatrice dell’esame di ammissione</i>) in accordance with current regulations on the subject and in</p>



UNIVERSITÀ
DI SIENA
1240

	accordance with international agreements regarding the recognition of qualifications for the advancement of study. Competence in the English language at the B2 level, if not officially certified, will be ascertained by the examination Committee.
Website For Further Information	http://phdies.ing.unisi.it
Method of Selection	Evaluation of qualifications and <i>curriculum</i> Evaluation of research project in English
Admission Requirements	Any <i>Laurea Magistrale/Specialistica/Vecchio ordinamento</i>
Method of Examination	Minimum eligible score is 60/100. Evaluation of degrees and <i>curriculum</i> – Score min/max: 30/70 The admission exam consists of an assessment by the evaluation committee of the documentation presented by the candidates. Therefore, there will be no written or oral exam. The date of the assessment of qualifications can be seen on the following web page after selecting the doctorate, https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-xxxvi-ciclo Evaluation of research project – Score min/max: 10/30 The result of each admission exam will be posted on the website, https://www.unisi.it/didattica/post-laurea/dottorati-ricerca/ingegneria-e-scienza-dellinformazione-xxxvi-ciclo for the selected doctorate.

Any increase in scholarships as well as any additions to this decree will be announced with the publishing of the related documents at the website, <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-xxxvi-ciclo> for the selected doctorate.

ART. 2 – ADMISSION REQUIREMENTS

2.1 Those in possession of the following academic qualifications may apply for admission to doctorate programs without age or citizenship limitations: University degree obtained before Ministerial Decree 509/99 or Specialist Degree obtained according to Ministerial Decree 509/99 or Master's Degree (*Laurea Magistrale*) obtained according to Ministerial Decree 270/04 or similar academic qualification obtained abroad, comparable by level, nature, duration, content and academic privileges (admission to further courses) to the Italian qualification, recognized by authorized academic authorities, as well as in the context of cooperative inter-university agreements. In this case, the candidate must indicate in the application for admission, as the date of graduation, the issue date of the degree of equivalence and the Italian university that approved it.

If, instead, the qualification has not already been declared equivalent, the eligibility of the foreign qualification is to be ascertained by the doctoral committee, as well by indication from authorized university offices in compliance with current regulations on the subject in Italy and in the country where the qualification was issued, and with international treaties or agreements regarding the recognition of qualifications for the advancement of study.



UNIVERSITÀ
DI SIENA
1240

2.2 Those who have the necessary academic qualification for admission into the doctorate program or those who will obtain it by October 31, 2020 can apply.

2.3 The University Administration may exclude candidates from selection at any time on reasonable grounds due to a lack of requirements set out in this announcement.

Academic Qualification Obtained Abroad

An academic qualification obtained abroad, lasting at least four years, must be considered a “second level” (second cycle, graduate, or master’s degree) qualification based on the university system of the issuing country which allows admission to their doctoral program.

Candidates with a foreign academic qualification must include with the online application: proof of the qualification with transcripts, in Italian or English, or translated into Italian or English, and a copy of any other document deemed useful for the assessment of the admissibility of the qualification (e.g. diploma supplement, résumé, curriculum vitae (CV), *Dichiarazione di Valore*).

The candidate may be requested at any time to complete the submitted documentation in order to verify its admissibility.

Candidates with a foreign academic qualification are admitted to the selection conditionally and will be excluded from the PhD program if, following verification, their qualification does not comply with the requirements of this announcement. If selected, they must deliver the documentation referred to in Art. 5. The University Administration may exclude candidates from selection at any time on reasonable grounds due to a lack of requirements set out in this announcement.

ART. 3 – ADMISSION REQUEST

The application for admission to the selection must be submitted between 10:00 am (Italian time) on June 15, 2020 and 2:00 pm (Italian time) on July 6, 2020 using the designated enrollment procedure online available at <https://segreteriaonline.unisi.it> and following the tutorial and guidelines for the corresponding doctorate available at <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-xxxvi-ciclo>

The candidate must follow the instructions given in the Guidelines (*Linee Guida*) section which is organized according to whether the candidate has already registered with the web portal at <https://segreteriaonline.unisi.it> and can access the user area of the website.

The “documents required for evaluation purposes” indicated in the specific table (shown in Art. 1 of the PhD selection notice) must be uploaded in PDF format.

A “selection application receipt” will be automatically available upon confirmation of the application.

The submission of the application to the university happens automatically upon completion of the procedure at <https://segreteriaonline.unisi.it> Therefore, no delivery or shipment of documentation to the offices must be made.

The candidate may apply for more than one doctorate program.

ART. 4 – EXAMS AND EVALUATION COMMITTEE

4.1 The dates of the exams and the list of the members of the committee in charge of evaluating the candidates will be posted at least 15 days ahead of time on the web page, <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-xxxvi-ciclo> for the selected doctorate.



UNIVERSITÀ
DI SIENA
1240

This publication constitutes, for all intents and purposes, an official communication. **Therefore, candidates will not receive any correspondence relating to the exams.**

4.2 The exams, aimed at ascertaining the candidate's aptitude for scientific research, will proceed according to the designated table for the doctorate.

4.3 The evaluation committee for the selection will be appointed by the dean after consulting the *Collegio dei Docenti* and will be made up of at least three tenured professors and no more than two experts, including foreign ones, chosen from public and private research facilities. The criteria for evaluation of the exams are established in advance by the committee in plenary session.

4.4 The university administration does not assume any responsibility for loss of communications resulting from inaccurate or late information provided by the applicant regarding residence or delivery address, nor for any postal or telegraphic errors not explicitly attributable to the administration itself.

ART. 5 – RANKINGS AND ENROLLMENT

5.1 The dean approves the selection and ranking of candidates and declares their admission by act.

The rankings of the candidates with the winners of the competition (with or without scholarship) will be posted at <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-xxxvi-ciclo> for the selected doctorate.

The ranking is based on an overall score for each candidate derived from the evaluation of curriculums, degrees, field work, and required exams; in the event of a tie, the younger candidate wins. Positions will be assigned according to rank.

This publication constitutes an official communication. **Therefore, winners will not receive any personal notification regarding their final ranking.**

In the event of placement in more than one ranking list for more than one doctoral program, the candidate must choose a single doctoral program.

The duration of the PhD program is three years starting on November 1, 2020.

5.2 Selection winners with or without scholarship must enroll, under penalty of forfeiture, within the time interval indicated in the table below.

Advancement (moving down) of the ranking lists only occurs if there are still positions available due to lack of enrollment or forfeit. Deadlines for ranking advancement in accordance with any waivers from rightful claimants are indicated in the following table:

	PUBLICATION DATE	ENROLLMENT DEADLINES
RANKINGS	23 JULY 2020	1:00 pm, 29 JULY 2020
1st ADVANCEMENT	31 AUGUST 2020	1:00 pm, 4 SEPTEMBER 2020
2nd ADVANCEMENT	14 SEPTEMBER 2020	1:00 pm, 18 SEPTEMBER 2020
3rd ADVANCEMENT	28 SEPTEMBER 2020	1:00 pm, 2 OCTOBER 2020

The list of candidates whose turn it becomes after advancement is announced in the same way as the ranking list.

In the event the person chosen gives up their chance for the position or does not enroll, the offered position



UNIVERSITÀ
DI SIENA
1240

passes on to the next person in line by order of rank according to the advancement dates indicated above. Beyond these dates, and in any case not later than December 31st, advancement of the rankings is possible only by permission from the *Collegio dei Docenti*.

5.3 Simultaneous enrollment in other university undergraduate or graduate degree programs, specialized degree programs / *Laurea Magistrale*, postgraduate or postdoctoral programs, *Scuole di Specializzazione*, master's degree or doctoral programs is not permitted.

For other conflicts not defined in this article, please refer to the current rules and regulations.

5.4 Only joint attendance of a medical specialization course and the PhD program is allowed. In the case of joint attendance the duration of the doctoral program is reduced to a minimum of two years (Art. 19, Law No. 240/2010) in compliance with the following general criteria:

- a) The trainee must be selected for a doctoral program at the same university where they perform their specialization.
- b) Joint attendance can be arranged during the last year of specialization with official permission from the school of specialization and must be compatible with the specialization program.
- c) The *Collegio dei Docenti* for the doctoral program approves the request for the reduction of the doctoral program's duration following an evaluation of the research activities already performed during the medical specialization and certified by the board of the school of specialization.
- d) During the joint attendance year, the student cannot receive a doctoral scholarship.

5.5 Selection winners (with or without a scholarship) must submit the application for enrollment **within the deadlines indicated in paragraph 5.2 using the designated online enrollment procedure** available at <https://segreteriaonline.unisi.it> and following the enrollment instructions (*istruzioni per l'immatricolazione*), as well as following the tutorial available at www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-xxxvi-ciclo and attaching all of the documentation indicated on that page.

5.6 Enrollment is completed with the payment of taxes through the **PagoPA system** (Art. 5 of the *Codice dell'Amministrazione Digitale* and Legislative Decree 179/2012):

At the end of the online procedure an enrollment receipt will be available to print.

Those admitted who do not comply with the above provisions within the aforementioned preemptory term will be considered as having given up their intention to enroll ipso jure.

The completion of enrollment process depends on the verification of the admission requirements to the program. Until then, enrollment is to be considered conditional.

ART. 6 – CANDIDATES WITH FOREIGN DEGREES

Candidates in possession of a **foreign academic qualification**, lasting at least four years, not yet recognized as being equivalent to an Italian degree by an Italian university, must also attach in digital format to the online enrollment application:

- A copy of the original degree or certified proof of the degree issued by the university where it was obtained.

In the case of a qualification obtained **outside the European Union**, a copy of the ***Dichiarazione di Valore issued by an authorized Italian diplomatic delegation abroad*** must also be presented. In the ***Dichiarazione di Valore*** it must be clear that the academic qualification held allows admission into the doctoral program in the country in which it was obtained.



UNIVERSITÀ DI SIENA

1240

In the case the applicant does not possess a *Dichiarazione di Valore*, that document and any other relevant documents must be submitted in original or certified copy format to the PhD office of the University of Siena **within six months from the official start date of the courses**. Candidates who do not present the documentation of the foreign qualification are admitted conditionally and will be excluded from the PhD program if they do not present the documentation within six months from the official start date of the courses. They will also be excluded in the event that, following verification, the qualification does not comply with the requirements set out in this announcement.

If the aforementioned documentation is not presented or if the documentation proves that the foreign degree does not qualify for admission into the equivalent of a doctorate program in the country where the degree was obtained, the interested party loses their eligibility and is required to return any doctoral scholarship they received.

ART. 7 – NON-EU CANDIDATES

Non-EU candidates entitled to enrollment will be admitted to the courses as long as they comply with current laws regarding entry and stay in Italy and have a legal permit of stay (*permesso di soggiorno*) for Italy (Art.39, Paragraph 5, of Legislative Decree 25.07.1998 No. 286, as amended by Art. 26 of Law No. 189 of 30 July 2002). They must deliver a copy of a valid passport and permit of stay issued by authorized agencies. If resident abroad, however, they must deliver a copy of their passport, entry visa, and a copy of their student permit of stay issued by the Italian *Questura*.

ART. 8 – SCHOLARSHIPS

The annual amount of the scholarship is EUR 15,343.00 and is subject to the INPS tax, *contributo previdenziale INPS a gestione separata*.

In the case of a scholarship financed by public or private parties outside the university, the scholarship will only be awarded upon receipt of the funds.

Scholarships that require the completion of a specific area of research require the grantees to carry out this work to the extent of the request.

The duration of the scholarship is equal to the duration of the course and the scholarship will be paid in monthly installments. If the PhD student relinquishes their claim to the scholarship or discontinues work toward the PhD, the university will in turn interrupt payment of the scholarship.

The doctoral scholarship cannot be combined with other scholarships for any reason, except with those granted by national or foreign institutions which are used to complement the grantee's training or research. Those who have already used a scholarship, even partially, for a doctoral program cannot do so a second time.

ART. 9 – TAXES AND FEES

9.1 Doctoral students without a scholarship are required to pay the annual regional university education tax (*Tassa Regionale per il Diritto allo Studio Universitario*) of € 140.00 and a stamp duty of € 16.00 at the same time as enrollment.

Doctoral students with scholarships are required to pay the annual university fee of € 340.00 in addition to payment of the annual regional university education tax (*Tassa Regionale per il Diritto allo Studio Universitario*) of € 140.00 and a stamp duty of € 16.00 at the same time as enrollment.

9.2 Students who are considered 66% disabled or above (*disabilità riconosciuta uguale o superiore al 66%*) are exempted from paying university and regional taxes.



UNIVERSITÀ
DI SIENA
1240

ART. 10 – DOCTORAL STUDENT OBLIGATIONS

Admission to the PhD program requires an exclusive and full-time commitment. Students are required to diligently perform the work related to the approved research project and to submit to the doctoral course at the end of each year a report on that work and, at the end of the course, a doctoral thesis of original research.

Following the evaluation of the work performed by the student, the *Collegio dei Docenti* of the doctorate program will decide whether to admit the doctoral student to the next year of the program. If there is a valid reason, the *Collegio dei Docenti* has the authority to exclude candidates from the following academic year.

ART. 11 – ATTAINMENT OF THE DOCTORATE

The PhD is obtained once the PhD student has passed the final exam. The exam consists of an oral test during which the student will defend their thesis. The examination committee is appointed in accordance with the Regulation for doctoral programs (*Regolamento per i corsi di dottorato*).

Doctoral theses must be uploaded by the PhD students in digital format to the university repository, USiena-air <http://usiena-air.unisi.it> for inclusion in the national libraries.

ART. 12 – RELEVANT LEGISLATION

For matters not covered by this selection notice, the university will refer to the following Italian legislation:

- Art. 4 of Law No. 210 of July 3, 1998
- Ministerial Decree No. 45 of February 8, 2013
- The University Regulation for doctoral courses at:
https://www.unisi.it/sites/default/files/allegatiparagrafo/REGOLAMENTO_DOTTORATO_2020_04_17.pdf

ART. 13 – PERSONAL DATA

The University will manage personal data in paper or digital format for the purposes for which it was requested in accordance with Regulation (EU) 2016/679 (General Data Protection Regulation).

ART. 14 – PUBLISHING OF THE NOTICE

This announcement will be published at <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-xxxvi-ciclo> and advertised on the University of Siena website, on the European website, Euraxess, and on that of the *Ministero*.

This announcement and the ranking list will also be published on the University's official register <http://albo.unisi.it>

ART. 15 – ADDITIONAL INFORMATION

The person responsible for managing the selection procedure is Dr. Raffella Todaro of the PhD Office of the University of Siena.

The University assumes no responsibility if the PhD in Information Engineering and Information Science does not obtain the permissions necessary for the renewal of its accreditation. With the submission of the application for admission, candidates declare to be aware of this contingency, thereby freeing the University of Siena from any responsibility, and agreeing to not make any claim.

Any changes or additions to the contents of this announcement will be published on the website,



UNIVERSITÀ
DI SIENA
1240

<https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-xxxvi-ciclo>