

Second selection notice for doctoral courses of the University of Siena – 38th cycle

Annex 5

PhD in	Ingegneria e Scienza dell'Informazione – Information Engineering and Science
Coordinator	Mauro Barni mauro.barni@unisi.it
Department	Ingegneria dell'Informazione e Scienze Matematiche DIISM
Open positions	8

	n.	Funding institution(s)	Research topic
Positions with scholarship			
A.	1	Ateneo/PNRR THE - Tuscany Health Ecosystem Ecosistemi dell'Innovazione, codice ECS00000017, Affiliato Spoke 10, CUP B63C22000680007	Study and optimization of healthcare pathways in regional healthcare system with the aim of the development of a decision support system to coordinate the different stakeholders on the territory (referente scientifico: Marco Pranzo)
B.	1	Ateneo/PNRR THE - Tuscany Health Ecosystem Ecosistemi dell'Innovazione, codice ECS00000017, Affiliato Spoke 9, CUP B63C22000680007	Study and development of wearable sensorimotor interfaces for human-robot interaction in assistive and augmentative manipulation scenarios (referente scientifico: Domenico Prattichizzo)
C.	1	Ateneo/PNRR THE - Tuscany Health Ecosystem Ecosistemi dell'Innovazione, codice ECS00000017, Affiliato Spoke 9, CUP B63C22000680007	Sviluppo di algoritmi di intelligenza artificiale per l'utilizzo di interfacce sensorimotorie in compiti di manipolazione complessi che coinvolgono arti sia biologici che artificiali (referente scientifico: Marco Maggini)
D.	1	Ateneo/PNRR THE - Tuscany Health Ecosystem Ecosistemi dell'Innovazione, codice ECS00000017, Spoke 6, CUP B63C22000680007	Mathematical modelling, simulation and identification for precision and personalized medicine (referente scientifico: Antonio Vicino)
E.	1	Ateneo/PNRR THE - Tuscany Health Ecosystem Ecosistemi dell'Innovazione, codice ECS00000017, Spoke 6, CUP B63C22000680007	Tecniche di elaborazione di immagini biomediche basate su Deep Learning per la medicina di precisione e la valutazione quantitativa di parametri funzionali (referente scientifico: Alessandro Mecocci)
F.	1	CNR ISTI	Artificial intelligence enhanced location-based systems for innovative environments
Positions with DM 352 scholarship			
G.	1	MUR/Barilla G.e R. Fratelli SpA	Mathematical models and decision support systems for crop planning in agriculture with sustainability and production constraints
H.	1	MUR/Toscana Life Sciences	Characterisation of the protein-protein interaction landscape through Deep Learning approaches and application to monoclonal antibodies

Type of rankings	<ul style="list-style-type: none"> Stand-alone ranking lists for each position (A-H)
Documents required for evaluation (to be attached during online application)	<ul style="list-style-type: none"> Curriculum vitae et studiorum (to be signed) containing a statement of the access title held with the issuing institution in addition to a list of publications (if any) Research project (in English, max 4 pages); Reference letters (no more than two) of Italian and international academics and/or research professionals (letters shall not be uploaded, but e-mail addresses of the contact persons are to be provided); Thesis abstract of Laurea Magistrale/Specialistica/vecchio ordinamento or equivalent foreign degree translated into Italian or English; English language certification, level B2, if available (optional) Any other document considered useful for assessing the eligibility of the qualification. <p>Eligibility of foreign degrees (to be translated into Italian or English) is ascertained by the selection committee in accordance with relevant regulations and international</p>

	<p>agreements on the recognition of qualifications for further studies.</p> <p><u>Candidates who achieved (or will achieve by 31 December 2022) the diploma di laurea at an Italian university have to specify, in their curriculum, all the data on the university path and the title of admission, in particular:</u></p> <ul style="list-style-type: none"> • University issuing the title • type of <i>laurea</i> – <i>vecchio ordinamento/specialistica/magistrale</i>; • degree course name • list of examinations with marks • date of title award with final mark or expected award date (no later than 31 December 2022). <p><u>Candidates who achieved (or will achieve by 31 December 2022) their degree at a foreign university (with a duration of at least four years) must specify in their curriculum:</u></p> <ul style="list-style-type: none"> • University issuing the title • type of degree (min. duration four years) – <i>Bachelor's degree/ Master's degree</i> • date of title award with final mark or expected award date (no later than 31 December 2022). <p>Candidates with a foreign degree must attach to the online presentation also the following documentation:</p> <ul style="list-style-type: none"> • transcript – certification of the title with the list of exams and marks – with a translation in Italian or English • Diploma supplement (if available).
Web site for further information	http://phdies.ing.unisi.it/
Selection modalities	<p>Evaluation of qualifications and curriculum</p> <p>Evaluation of research project (in English)</p> <p>Interview</p>
Admission requirements	All masters' degrees (<i>lauree magistrali, specialistiche, a ciclo unico e vecchio ordinamento</i>)
Dates of evaluation and exam(s)	<p>The overall score is the sum of the scores obtained in the individual assessments and tests. The minimum score for eligibility is 60/100.</p> <p>Evaluation of qualifications and curriculum – up to a maximum of 45 points</p> <p>Evaluation of research project – up to a maximum of 25 points</p> <p>Only candidates who have obtained a score of 40 or more (out of 70) for their qualifications, CV and research project will be admitted to the interview.</p> <p>Interview– up to a maximum of 30 points</p> <p>The interview will be held online via Gmeet on 18 November 2022, from 14.30 to 19.00. The link to the meeting room is: https://meet.google.com/hau-tzaj-dkf</p> <p>The minimum score for eligibility is:</p> <p>Minimum 40, out of 70, for qualifications, curriculum and research project</p> <p>Minimum 15, out of 30, for the interview</p> <p>Minimum 60, out of 100, as overall score.</p> <p>The list of applicants admitted to the interview will be announced via videoconference (https://meet.google.com/hau-tzaj-dkf) on 18 November 2022, at 14:30 (Italian time).</p>
Dates of evaluation and exam(s)	<p>Interview: online via Gmeet (https://meet.google.com/hau-tzaj-dkf)</p> <p>The interview will be held on 18 novembre 2022, dalle 14.30 alle 19.00.</p>
Selection committee	The composition of the committee will be published after the deadline for application.