



PhD programme	INFORMATION ENGINEERING AND SCIENCE
Coordinator	Antonio Vicino vicino@ing.unisi.it
Department	Ingegneria dell'Informazione e Scienze Matematiche DIISM
Open positions	17
of which:	

	n.	Funding institution(s)	Research topic
Positions with scholarship			
A.	4	University of Siena	No research topic restriction
B.	1	DIISM	Specific research topic: 5G Metasurfaces
C.	1	DIISM	Specific research topic: Non-homogeneous lens antennas
D.	1	DIISM	Specific research topic: Conformal Metasurfaces
E.	1	DIISM	Specific research topic: Accelerators and Programmability in Modern Heterogeneous Architectures
F.	1	DIISM	Specific research topic: Software/firmware and hardware innovative architectures for the design of intelligent power electronic systems, for body power automotive applications
F.	1	Baker Hugues - Nuovo Pignone	Specific research topic: Explanability of AI and ML models for industrial applications
G.	2	Leonardo Spa	Specific research topics: a) Soft Robotic End-effectors for Grasping and Manipulation (tematica di Robotica) b) Explanability in machine learning for trustworthy AI (tematica di Intelligenza Artificiale)
Positions without scholarship			
H.	4	//	No research topic restriction
Positions reserved for scholarship holders of international mobility programmes			
I.	1	//	No research topic restriction

Type of ranking(s)	<ul style="list-style-type: none"> • One ranking list for positions with no research topic restriction (positions A e I) • One ranking list for positions with specific research topics indicated in positions B, C, and D • Single ranking list for each position with specific research topic indicated in positions E, F, G, and H • For positions reserved for scholarship holders of international mobility programmes (position I) see art. 5, paragraph 5 of the selection notice
Documents required for evaluation (to be attached during online application)	<ul style="list-style-type: none"> • Curriculum vitae et studiorum (duly signed at the bottom with the following declaration “<i>Hereby I declare that what reported above corresponds to the truth, according to the Decree of the President of the Italian Republic 445/2000</i>”), indicating qualification obtained (or to be obtained by 31 October 2021) with the issuing institution and a list of publications • Research project (in English, max 4 pages); • Reference letters, if any (not more than 2) of Italian or international university professors and/or research professionals (no letters must be uploaded, but the email address(es) of the persons be indicated during the application procedure) • Thesis abstract of <i>Laurea Magistrale/Specialistica/Vecchio ordinamento</i> or equivalent foreign degree translated into Italian, English or French (max 1 page) • English language certification (min. level B2), if any • Any other document useful for the evaluation of the eligibility of the title. <p>Eligibility of foreign degrees (to be translated into Italian, English or French) is</p>

	<p>ascertained by the selection committee in accordance with relevant regulations and international agreements on the recognition of qualifications for further studies. The knowledge of the English language level B1, if not certified, will be verified by the selection committee.</p> <p><u>Candidates who achieved (or will achieve by 31 October 2021) the diploma di laurea at an Italian university</u> have to specify, in their curriculum, all the data on the university path and the title of admission, in particular:</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 votes • date of obtaining the title and final vote or expected date of obtaining the title (by 31 October 2021). <p><u>Candidates who achieved (or will achieve by 31 October 2021) their degree at a foreign university</u> (with a duration of at least four years) have to specify in their curriculum:</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 obtaining the title and final vote or expected date of obtaining the title (by 31 October 2021). <p>Candidates with a foreign degree have to 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 votes – with a translation in Italian or English • Diploma supplement (if available).
Web site for further information	http://phdies.ing.unisi.it/
Selection modalities	Evaluation of titles and curriculum Evaluation of research project (in English)
Admission requirements	All master's degrees
Exam procedures	<p>The overall score is given by the sum of scores achieved in the single evaluations or exam(s). The minimum score for eligibility is 60/100.</p> <p>No written or oral tests will be done for candidates.</p> <p>Evaluation of titles and curriculum – Score: up to a maximum of 70</p> <p>Evaluation of research project - Score: up to a maximum of 30</p>
Dates of evaluation and exam(s)	//
Selection committee	The composition of the selection committee will be published after the deadline for application.