



DOCTORAL PROGRAMME IN INFORMATION ENGINEERING

Director prof. Stefano Ricci

XLII cycle – academic year 2026/2027

TECHNOLOGICAL AREA	
ADMINISTRATIVE OFFICE	Department of Information Engineering
WEB	informationengineering.dinfo.unifi.it
CURRICULA	1. Control, Optimization and Complex Systems 2. Electronics, Electromagnetics and Electrical Systems 3. Computer Engineering 4. Telecommunications and Telematics
POSITIONS AVAILABLE: 14 Positions with Scholarship: 14 Position without Scholarship: <i>not available</i>	
Gross Annual amount of the scholarship € 17.836,00 (gross value) The increase of the scholarship is funded by Department of Information Engineering	
RANKING LIST FOR STANDARD POSITIONS SCHOLARSHIPS AVAILABLE: 5	University of Florence
RANKING LISTS FOR POSITIONS WITH SPECIFIC RESEARCH TOPIC SCHOLARSHIPS AVAILABLE: 3	2 - Department of Information Engineering Thematic 1: “Agentic AI architectures and solutions based on LLMs for Smart City” Thematic 2: “Advanced methods for reducing computational complexity in the calculation of the wideband radar response of large platforms equipped with electromagnetic sensors” 1 - Small Pixels S.r.l. Thematic: “Video transmission in a limited bandwidth context”
RANKING LISTS FOR POSITIONS WITH SPECIFIC RESEARCH TOPIC SCHOLARSHIPS AVAILABLE: 3	Agenzia Spaziale Italiana – ASI Call for funding of 45 scholarships on topics of interest to ASI Thematic 1: “Space-Cloud Continuum and Intelligence at the Edge Architectures for In-Orbit Data Handling Processes Optimization”

<i>(subject to the grant of funding)</i>	Thematic 2: “Low Moon Orbit Positioning System (LMO-PNT)” Thematic 3: “Study of climate change fingerprints in the long-wave Earth’s spectral radiances expected from the Lunar Earth Temperature Observatory (LETO)” Please note: scholarships will be awarded ONLY if the respective funding will be granted
RANKING LISTS FOR POSITIONS WITH SPECIFIC RESEARCH TOPIC SCHOLARSHIPS AVAILABLE: 3 <i>(subject to the grant of funding)</i>	Agenzia per la Cybersicurezza Nazionale – ACN Call for funding of 30 scholarships in cybersecurity Thematic 1: “Resilience to cyber-attacks of multiagent information fusion” Thematic 2: “Advanced beamforming techniques and distributed sensing for the cyber resilience of LEO satellite constellations” Thematic 3: “Physical Layer Security Models and Architectures for Hybrid RF/OWC Communications in 6G Networks” Please note: scholarships will be awarded ONLY if the respective funding will be granted
Further information on cybersicurezza Call	The procedures for the management, implementation, reporting, and funding of the scholarships are governed by the “Disciplinare”, with particular reference to the following articles: Article 4 (Obligations of the PhD student recipient) 1. The PhD student recipient of the scholarship funded by the Agency must carry out the research project in line with what is indicated in the Research Project Fact Sheet approved for the funding. 2. The PhD student recipient of the scholarship funded by the Agency must comply with the obligations related to intellectual property aspects as outlined in the following Article 5. Article 5 (Intellectual property and research results) 1. Universities may not use, for advertising purposes or any other promotional activity, the name, trademark, or other distinctive sign of the Agency except to disclose the funding of the PhD scholarships. 2. Without prejudice to the moral right of authorship of the PhD students, the ownership of the research results of the projects funded by the Agency will be shared equally (50%) between the Agency and the University. Consequently, the University will promptly inform the Agency – via Certified Electronic Mail (PEC) to the address acn@pec.acn.gov.it – of the existence of research results so that the Agency, within the following sixty days, may express its possible intention to waive its right via Certified Electronic Mail (PEC) to the address acn@pec.acn.gov.it. In such a case, the University will acquire full ownership of the research results. Article 9 (Revocations, non-allocation of scholarships, withdrawals, terminations, and cessations) 1. The Agency will proceed with the total revocation of the funding, with the consequent obligation for the University to return any amounts already disbursed, in the following cases: a) failure to start the doctoral program in the XLI doctoral cycle within the established deadlines; b) interruption of the courses due to reasons attributable to the University itself; c) failure to comply with the obligations incumbent on the University as outlined in the Call and the Implementation Regulations; d) implementation of the research project in a manner different from that approved for funding.

	2. In the case of the PhD student recipient failing to obtain the doctoral degree, or if the PhD student recipient is not positively evaluated for the renewal of the scholarship, or if they renounce it, partial revocation of the funding will occur, with the obligation to return the amounts disbursed following the last annual report submitted by the University to the Agency. Amounts not yet disbursed will be considered not due, and payments will be interrupted. 3. The University will notify the Agency of any withdrawals by the PhD student, whether regarding the position or the scholarship, even if related to a portion of the course.
STUDY/RESEARCH PERIODS ABROAD	at least 3 months for University of Florence scholarships at least 6 months for Department of Information Engineering, Small Pixels S.r.l. and Italian Space Agency (ASI) scholarships at least 3 months for National Cybersecurity Agency (ACN) scholarships
DOCUMENTS REQUIRED FOR THE ADMISSION	• Copy of the Identification Document • Self-certification for qualifications obtained in Italy (laurea triennale, specialistica o magistrale o ciclo unico) with list of exams taken, credits and related grade, title of the thesis and graduation mark (using this template or similar forms containing the required information) • Qualifications obtained abroad (Bachelor's and Master Degrees or combined cycle Degree) with a list of all exams taken, credits and related grade, rating scale, title of the thesis and graduation mark <i>The same documentation except for the final mark must be submitted by those who will graduate within the 31/10/2026</i>
DOCUMENTS REQUIRED FOR THE EVALUATION	MANDATORY • Curriculum vitae including a list of publications and of the other qualification documents (if any) • Abstract of the Master Thesis • Research proposal OPTIONAL • Copy of the Master Thesis (or equivalent) • Publications (if any) Documents can be submitted in Italian or English
RESEARCH PROJECT	The proposal must be in pdf format, written either in Italian or in English, no more than 5 pages, including bibliographic references. The proposal should describe a three-year project having a high potential for novel scientific contributions in the broad field of Information Engineering, but also in other fields provided that methodologies and/or technologies of Information Engineering are exploited. The proposal must include the specific reference to the curriculum and the chosen area of study as listed at the web page informationengineering.dinfo.unifi.it/research. The candidate can apply for several rankings by submitting a specific research project for each ranking and clearly stating which ranking each project refers to.

INTERVIEW MODE	Remotely (Videocall)																				
FURTHER INFORMATION	The interview can be conducted in English language. The interview will primarily concern a discussion on the research proposal presented by the candidate, but the commission may request further specific questions on specific topics related to the candidate's CV.																				
EVALUATION MARKS	<table><tr><th>parameter</th><th>minimum score</th><th>maximum score</th></tr><tr><td>Curriculum vitae, academic career, publications, qualification documents</td><td>20/120</td><td>30/120</td></tr><tr><td>Research proposal</td><td>33/120</td><td>50/120</td></tr><tr><td colspan="3">Applicants who obtain a mark of at least 53/120 according to the minimum score for each parameter will be admitted to the interview</td></tr><tr><td>Interview: (including a discussion of the research proposal)</td><td>27/120</td><td>40/120</td></tr><tr><td colspan="3">Eligibility is achieved with a minimum score of 80/120</td></tr></table>			parameter	minimum score	maximum score	Curriculum vitae, academic career, publications, qualification documents	20/120	30/120	Research proposal	33/120	50/120	Applicants who obtain a mark of at least 53/120 according to the minimum score for each parameter will be admitted to the interview			Interview: (including a discussion of the research proposal)	27/120	40/120	Eligibility is achieved with a minimum score of 80/120		
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EXAMINATION SCHEDULE		
	DATE	TIME
INTERVIEW	July 13 th 2026	09:30 a.m.
The list of the candidates admitted to the interview and the final ranking will be published at the page PhD courses		

ENROLLMENT ROUNDS		
Enrollment must be completed within the specified mandatory deadlines, under penalty of exclusion (as per Art. 12 of the Call for Applications - Annex 1)		
	Opening Date	Deadline for Enrollment
Enrollment (successful candidates)	Ranking's publication date (by July 31, 2026)	by 11.59 pm (CEST) on August 25th 2026 *
1st round (eligible candidates)	from 31st August 2026	by 11.59 pm (CEST) on September 7th 2026
2nd round (eligible candidates)	from 10th September 2026	by 11.59 pm (CEST) on September 17th 2026
* Please note that the University will be closed from August 8 th to August 23 th , 2026.		

Subsequent reassignment of vacant positions:

The reassignment of any residual positions after the first two rounds will be activated on **every Tuesday until October 27th**, with a mandatory enrollment deadline set for the following Friday (11:59 PM CEST). It is the sole responsibility of the candidate to check their personal reserved area

No personal communications will be sent to candidates.

Technical instructions for enrollment can be found [here](#)