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UNIVERSITÀ
DEGLI STUDI
FIRENZE



**DOCTORAL PROGRAMME IN
INDUSTRIAL ENGINEERING
CYCLE XLII
Academic year 2026/2027**

In accordance with the Decree signed by the Rector of the University of Florence:

Art. 1 - Final rankings

The admission procedure for the PhD program in Industrial Engineering - Cycle XLII - is approved with the following rankings:

POSITIONS AVAILABLE: 20

Positions with scholarship: **18**

Positions without scholarship: **2** (*standard ranking only*)

RANKING - STANDARD POSITIONS:

1 - University of Florence

RANKINGS - SPECIFIC RESEARCH TOPIC POSITIONS:

5 - University of Florence

11 - Department of Industrial Engineering

1 - Department of Industrial Engineering DIFE and Nuova Pignone S.r.l

RANKING - STANDARD POSITIONS

	SURNAME	NAME	FINAL SCORE
1.	BADIALI	Mattia	113/120
2.	CHESI	Davide	110/120
3.	TOCCAFONDO	Elisa	108/120
4.	100164451		106/120*
5.	100162839		106/120
6.	100162493		103/120
7.	100164735		101/120

* *Precedes due to younger age*

Art. 2 - Successful candidates

The following candidates are declared winners:

- | | | |
|----|------------|--------|
| 1. | BADIALI | Mattia |
| 2. | CHESI | Davide |
| 3. | TOCCAFONDO | Elisa |

RANKINGS

SPECIFIC RESEARCH TOPIC POSITIONS

University of Florence – Department of Industrial Engineering

Thematic 1: “Development of CFD methods for the analysis of thermo-fluid dynamics processes in turbomachinery.”

	SURNAME	NAME	FINAL SCORE
1.	LOCATELLI	Lapo	112/120

The candidate LOCATELLI Lapo is declared as winner.

Thematic 2: “Development of experimental methods for studying heat transfer issues in Turbomachinery”

	SURNAME	NAME	FINAL SCORE
1.	FARSI	Niccolò	104,5/120

The candidate FARSI Niccolò is declared as winner.

Thematic 3: “Development of innovative strategies for multi-physics modelling and optimization of mechanical components”

	SURNAME	NAME	FINAL SCORE
1.	ODDONE	Tommaso	105/120
2.	100165272		97/120

The candidate ODDONE Tommaso is declared as winner.

Thematic 4: “Bridging Perception and Interaction through Orchestrated Agentic Architectures for Adaptive Social Robotics”

	SURNAME	NAME	FINAL SCORE
1.	GUIDUCCI	Lorenzo	102/120

The candidate GUIDUCCI Lorenzo is declared as winner.

Thematic 5: “Development of Guidance, Navigation, and Control Systems for Autonomous Underwater Vehicles”

	SURNAME	NAME	FINAL SCORE
1.	PISCIOLINI	Caterina	108,5/120
2.	100162685		106/120

The candidate PISCIOLINI Caterina is declared as winner.

Thematic 6: “Analysis on the influence of temporal input data on the simulation of energy systems fed by renewables”

	SURNAME	NAME	FINAL SCORE
1.	TOCCAFONDO	Elisa	108/120

The candidate TOCCAFONDO Elisa is declared as winner.

Thematic 7: “Development of numerical methods for assessing sealing system performance in reciprocating compressors”

	SURNAME	NAME	FINAL SCORE
1.	DELMONTE	Andrea	106/120
2.	100164451		104/120
	100164663		91/120

The candidate DELMONTE Andrea is declared as winner.

Thematic 8: “Investigation of innovative combustion systems and alternative fuels for CO2 reduction using advanced diagnostics”

	SURNAME	NAME	FINAL SCORE
1.	RIMEDIOTTI	Giovanni	108/120
2.	100164248		105/120

The candidate RIMEDIOTTI Giovanni is declared as winner.

Thematic 9: “Investigation on active control of vibrations in machining processes”

Not eligible candidate

Thematic 10: “Methodologies for the development of innovative pediatric simulators for training and preoperative planning”

Cofunded by Cassa di Risparmio di Firenze – “Progetto T3Ddy -2026.0450”
CONTRIBUTO_FCR_T3DDY_2026_0450 - CUP B13C26001220007

	SURNAME	NAME	FINAL SCORE
1.	TRIPODI	Arianna	103/120

The candidate TRIPODI Arianna is declared as winner.

Thematic 11: “Development of electromechanical solutions for next-generation underwater robots”
Cofunded by MUR Call FIS2 project “Pioneering Endless Autonomy for NextGeneration Marine Robotics
(PRSTNT) project code FIS-2023-03704- CUP B53C24009590001

	SURNAME	NAME	FINAL SCORE
1.	MILLUZZI	Giacomo	106/120

The candidate MILLUZZI Giacomo is declared as winner.

Thematic 12: “Development of solutions to improve the endurance of next-generation underwater robots”
Cofunded by MUR Call FIS2 project “Pioneering Endless Autonomy for NextGeneration Marine Robotics
(PRSTNT) project code FIS-2023-03704- CUP B53C24009590001

	SURNAME	NAME	FINAL SCORE
1.	VITALI	Gabriele	107/120

The candidate VITALI Gabriele is declared as winner.

Thematic 13: “Design for Industrial Circularity: models and tools for optimising the life cycle of products containing critical raw materials”

Cofunded by HORIZON EUROPE project (Cluster 5 - Climate, Energy and Mobility) “Circular design and manufacturing techniques for next generation highly-efficient integrated axial flux motor drives for electric vehicles” CLIMAFLUX – CUP B13C23004470006

	SURNAME	NAME	FINAL SCORE
1.	ALTOBELLI	Alessandro	105/120
2.	100163314		92/120

The candidate ALTOBELLI Alessandro is declared as winner.

Thematic 14: “Development and implementation of tailored Rapid LCSA models integrated into circular design and the development of industrial products and renewable energy systems”

Cofunded by HORIZON EUROPE project (Cluster 4 Digital, Industry and Space)
“Digital platform for data-driven and physics-based product development enabling a circular economy” -
Digi4Circular – CUP B13C24003830006

	SURNAME	NAME	FINAL SCORE
1.	CAPONI GRAGNANI	Andrea	109/120
2.	100164735		101/120

The candidate CAPONI GRAGNANI Andrea is declared as winner.

Thematic 15: “Performance and sustainability analysis of innovative value chains: thermal energy storage and valorisation of residual streams”

Cofunded by HORIZON EUROPE project (Circular Bio-based Europe Joint Undertaking) “Smart modular mobile biorefining of manure to zero-waste maximising resource and nutrient recovery for feed and fertiliser bioingredient in rural areas” – MANUREFINERY – CUP B13C24002980006

	SURNAME	NAME	FINAL SCORE
1.	SANTESI	Federico	105/120

The candidate SANTESI Federico is declared as winner.

Thematic 16: “Development of experimental methods for the characterisation of adsorbent materials for thermal energy storage”

Cofunded by HORIZON EUROPE project (Cluster 5 - Climate, Energy and Mobility) “Thermochemical storage Utilization eNabling Data centre seasonal Energy Recovery” - THUNDER – CUP B13C23004060002

	SURNAME	NAME	FINAL SCORE
1.	LISINI	Carlo	100/120
2.	100163293		92,5/120

The candidate LISINI Carlo is declared as winner.

RANKING

SPECIFIC RESEARCH TOPIC POSITION

Cofunded by Department of Industrial Engineering DIF and Nuova Pignone S.r.l.

Thematic: “Artificial Intelligence Assisted Simulations for Robust Design of Turbomachinery”

	SURNAME	NAME	FINAL SCORE
1.	GRADI	Pietro	111/120

The candidate GRADI Pietro is declared as winner.

Art. 3 - Enrollment deadlines and ranking re-allocation procedure

Successful candidates declared winners must complete their enrollment, under penalty of exclusion, within the strict deadlines indicated below, in accordance with Art. 12 of the Call for Applications:

Procedure	Opening Date	Deadline for Enrolment
Enrolment (successful candidates)	ranking's publication date	by 11.59 pm (CEST) on August 25 th 2026*
1st round (eligible candidates)	from 31 st August 2026	by 11.59 pm (CEST) on September 7 th 2026

Procedure	Opening Date	Deadline for Enrolment
2nd round (eligible candidates)	from 10 th September 2026	by 11.59 pm (CEST) on September 17 th 2026

** Please note that the University will be closed from August 8th to August 23rd, 2026.*

Reassignments of any residual positions after the first two rounds will be activated on every Tuesday until October 27th, 2026 with a mandatory enrolment deadline set for the following Friday (11:59 PM CEST). It is the sole responsibility of the candidates to monitor their personal applicant portal. No personal communications will be sent to candidates.

Technical instructions for the enrolment procedure are available on the [Cycle 42 - Call for Applications](#) page under the “**General Call**” section.

Art. 4 - Positions without scholarship

Positions without a scholarship will be assigned according to the ranking order. Successful candidates are required to enrol in compliance with the deadlines set out in the article 3.

Art. 5 - Publication

The Italian Decree is published on the “Albo ufficiale di Ateneo” and on the website of the University and it serves as legal information obligations and as official notification for all legal purposes.