



UNIVERSITÀ  
DEGLI STUDI  
FIRENZE

Da un secolo, oltre.



HR EXCELLENCE IN RESEARCH

AREA  
SERVIZI ALLA  
DIDATTICA

Settore Dottorato di Ricerca

UNIVERSITY OF FLORENCE - Ph.D. PROGRAMMES – CALL FOR APPLICATIONS  
XLI CYCLE – academic year 2025/2026  
(D.R. n. 559 prot. n. 107449 - May 15<sup>th</sup> 2025)

**LISTS OF CANDIDATES ADMITTED TO THE COMPETITION**

**DOCTORAL PROGRAMME IN**

**INDUSTRIAL ENGINEERING**

On the basis of the outcome of the preliminary meeting of the Admission Board, below are the lists of candidates admitted to the interview:

**RANKING STANDARD POSITIONS**

Surname	Name	Qualification documents scoring
AHMED	WASIF	67
ALWAWI	SHAMAN	63
BROGI	MARGHERITA	74
CALAMAI	RICCARDO	77
CAPONI GRAGNANI	ANDREA	66
CELLAI	ANDREA	72
CIPRIANI	GIANLUCA	77
CRUZ GALVEZ	LUIGHI DIGENARO	68
DELMONTE	ANDREA	72
FALCHINI	EDOARDO	71
GIULIANI	IRENE	76
MAMBELLI	ALESSANDRO	66,07
MASI	ELEONORA	80
PFORR	NIKOLAUS TOBIAS	68
POVOLATO	TOMMASO ELIOS	74
RAGO	STEFANO	77
TADDEUCCI	NICCOLÒ	61
ZUPPA	ANDREA	73

**RANKING**  
**POSITIONS WITH SPECIFIC RESEARCH TOPIC**  
**Cofunded by DIF and University of Florence**  
**Thematic: "Multi-scale simulation of wind turbines"**

Surname	Name	Qualification documents scoring
CIPRIANI	GIANLUCA	77

**RANKING**  
**POSITIONS WITH SPECIFIC RESEARCH TOPIC**  
**Cofunded by DIF and University of Florence**  
**Thematic: "Development of Tools and Methods for Active Noise Control"**

Surname	Name	Qualification documents scoring
MAMBELLI	ALESSANDRO	66,07

**RANKING**  
**POSITIONS WITH SPECIFIC RESEARCH TOPIC**  
**Cofunded by DIF and University of Florence**  
**Thematic: "Development of nonlinear models and structural optimization strategies for  
innovative materials  
"**

Surname	Name	Qualification documents scoring
MARIANI	TOMMASO	77
NAEEM	MUHAMMAD AHMAD	66,8

**RANKING**  
**POSITIONS WITH SPECIFIC RESEARCH TOPIC**  
**Cofunded by DIF and University of Florence**  
**Thematic: "Development of robotic manipulation systems"**

Surname	Name	Qualification documents scoring
CALAMAI	RICCARDO	77
PELA	RICCARDO	74

**RANKING**  
**POSITIONS WITH SPECIFIC RESEARCH TOPIC**  
**Cofunded by DIF and University of Florence**  
**Thematic: "Energy scenarios and sector coupling with the integration of Hydrogen and  
Ammonia"**

Surname	Name	Qualification documents scoring
VELTRONI	VALENTINA	69

**RANKING**  
**POSITIONS WITH SPECIFIC RESEARCH TOPIC**  
**Cofunded by DIEF and University of Florence**

**Thematic:** "Use of innovative CO2 based working fluids in Closed Loop geothermal Systems for heat and power production: optimal integration with underground conditions and surface applications"

<b>Surname</b>	<b>Name</b>	<b>Qualification documents scoring</b>
AHMED	WASIF	67
FALCHINI	EDOARDO	71

**RANKING**  
**POSITIONS WITH SPECIFIC RESEARCH TOPIC**  
**Cofunded by DIEF and University of Florence**

**Thematic:** "Multiphase and Multispecies Numerical Simulations"

<b>Surname</b>	<b>Name</b>	<b>Qualification documents scoring</b>
PETRI	GUIDO	76

**RANKING**  
**POSITIONS WITH SPECIFIC RESEARCH TOPIC**  
**Cofunded by DIEF and University of Florence**

**Thematic:** "Development of patient-specific surgical simulators"

<b>Surname</b>	<b>Name</b>	<b>Qualification documents scoring</b>
BROGI	MARGHERITA	74

**RANKING**  
**POSITIONS WITH SPECIFIC RESEARCH TOPIC**  
**Cofunded by DIEF and University of Florence**

**Thematic:** "Aeroelastic design of innovative floating offshore wind turbines for the Mediterranean Sea"

<b>Surname</b>	<b>Name</b>	<b>Qualification documents scoring</b>
GIULIANI	IRENE	76

**RANKING**

**POSITIONS WITH SPECIFIC RESEARCH TOPIC**

**Cofunded by DIF and University of Florence**

**Thematic:** "Data-Driven Decision-Support Tools for Managing Uncertainty in Manufacturing and Supply Chain Systems"

<b>Surname</b>	<b>Name</b>	<b>Qualification documents scoring</b>
CRUZ GALVEZ	LUIGHI DIGENARO	68
ERMINI	ELENA	72
MEACCI	MATTEO	66

**RANKING**

**POSITIONS WITH SPECIFIC RESEARCH TOPIC**

**Cofunded by DIF and University of Florence**

**Thematic:** "Experimental and Numerical Thermal Analysis of the Piston and Piston Rings in Hydrogen-Fueled Internal Combustion Engines"

<b>Surname</b>	<b>Name</b>	<b>Qualification documents scoring</b>
DELMONTE	ANDREA	72
RAGO	STEFANO	77

**RANKING**

**POSITIONS WITH SPECIFIC RESEARCH TOPIC**

**Cofunded by DIF and University of Florence**

**Thematic:** "AI-Driven Solutions for Next-Generation Underwater Autonomous Systems"

<b>Surname</b>	<b>Name</b>	<b>Qualification documents scoring</b>
MINARELLI	MARCO	77

**RANKING**

**POSITIONS WITH SPECIFIC RESEARCH TOPIC**

**Cofunded by DIF and University of Florence**

**Thematic:** "Developing solutions to enhance the Endurance of Next-Generation Underwater Robots"

<b>Surname</b>	<b>Name</b>	<b>Qualification documents scoring</b>
CALAMAI	RICCARDO	70
CASADEI	OLIVIA	72

**RANKING****POSITIONS WITH SPECIFIC RESEARCH TOPIC****Cofunded by Dief and University of Florence****Thematic:** "Analysis, simulation and optimization of manufacturing processes"

<b>Surname</b>	<b>Name</b>	<b>Qualification documents scoring</b>
CALDINI	FAUSTO	78
EKINCI	ERKIN EGE	66

**RANKING****POSITIONS WITH SPECIFIC RESEARCH TOPIC****Cofunded by Dief and University of Florence****Thematic:** "Development of Molecular Films for Spintronic Devices Based on Chirality-Induced Spin Selectivity"

<b>Surname</b>	<b>Name</b>	<b>Qualification documents scoring</b>
PARMEGGIANI	FRANCESCO	76

**RANKING****POSITIONS WITH SPECIFIC RESEARCH TOPIC****Cofunded by Dief and University of Florence****Thematic:** "Development and validation of turbulent combustion models for hydrogen combustion in gas turbines"

<b>Surname</b>	<b>Name</b>	<b>Qualification documents scoring</b>
BALLINI BERLINCIONI	MATTEO	78

**RANKING****POSITIONS WITH SPECIFIC RESEARCH TOPIC****Cofunded by Dief and University of Florence****Thematic:** "Experimental characterization of Gas Turbine cooled components by means of inverse heat conduction methods"

<b>Surname</b>	<b>Name</b>	<b>Qualification documents scoring</b>
AGOSTINI	YURI SILVIO	73

**RANKING****POSITIONS WITH SPECIFIC RESEARCH TOPIC****Cofunded by Dief and University of Florence****Thematic:** "Social robotics in neurodevelopmental diseases and rehabilitation"

<b>Surname</b>	<b>Name</b>	<b>Qualification documents scoring</b>
ADELUCCI	ELENA	71

PETTINI	CHIARA	65
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**RANKING**  
**POSITIONS WITH SPECIFIC RESEARCH TOPIC**

**Nuovo Pignone tecnologie s.r.l.**

**Thematic:** "CFD Analysis of the combustion process in gas turbines fueled with NH3, H2 and natural gas mixture"

Surname	Name	Qualification documents scoring
MASI	VIOLA	75

**RANKING**  
**POSITIONS WITH SPECIFIC RESEARCH TOPIC**

**Nuovo Pignone tecnologie s.r.l.**

**Thematic:** "Innovative Hydrogen Transport System"

Surname	Name	Qualification documents scoring
VERZINO	ANTONIO	70

**RANKING**  
**POSITIONS WITH SPECIFIC RESEARCH TOPIC**

**Ergon Research s.r.l**

**Thematic:** "Development of CFD methodologies and reduced order models to investigate the interactions between stator-rotor cavity egress and main annulus flow in gas turbine engines"

Surname	Name	Qualification documents scoring
LOCATELLI	LAPO	66
SANDRIN	SIMONE	75

**RANKING**  
**POSITIONS WITH SPECIFIC RESEARCH TOPIC**

**Ingenio s.r.l.**

**Thematic:** "Strategic Human Resource Management in project-based organizations: enhancing agility and resilience through People-Centric practices"

Surname	Name	Qualification documents scoring
QUADRATI	LORENZO	73

The Officer in Charge of the Procedure  
Sabrina Pazzagli