

## DOCTORAL PROGRAMME IN INDUSTRIAL ENGINEERING

**CYCLE XXXIX**

**Academic year 2023/2024**

### FINAL RANKINGS

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

**POSITIONS AVAILABLE: 17**

Positions with scholarship: **15**

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

#### RANKING FOR STANDARD POSITIONS

**1** - University of Florence

#### RANKINGS FOR POSITIONS WITH SPECIFIC RESEARCH TOPICS

**5** - University of Florence

**3** - Department of Industrial Engineering (DIEF)

#### RANKINGS FOR POSITIONS WITH SPECIFIC RESEARCH TOPICS - NRRP EUROPEAN UNION - NEXTGENERATIONEU

**5** - co-funded by Department of Industrial Engineering (DIEF)

#### RANKING FOR POSITION WITH SPECIFIC RESEARCH TOPIC

**1** - Cassa di Risparmio di Pistoia e Pescia

### RANKING FOR STANDARD POSITIONS

	<b>SURNAME</b>	<b>NAME</b>	<b>FINAL SCORE</b>
1.	BATISTI	Marco	117/120
2.	GRILLI	Niccolò	113/120
3.	GIGLIOTTI	Federico	112/120
4.	BUCCI	Ilaria	111/120
5.	TORZINI	Lorenzo	110/120
6.	GASTPARI	Konrad	109/120
7.	RETTORI	Lorenzo	108/120
8.	RONCHI	Leandro	104/120
9.	WEISSKOPF	Simon Alexander	102,5/120
10.	GUADAGNO	Maurizio	102/120
11.	RERA	Leonardo	101/120
12.	DI NATALE	Alessia	100/120
13.	RUSSO	Giacomo	99/120*
13.	TANI	Niccolò	99/120
15.	MIRALIZADEH JALALAT	Sepideh	98,375/120
16.	TAFA	Idriz	98/120
17.	SCOPOLINI	Nicola	97/120

18.	RAMIREZ HERRERA	Renzo Ramiro	96/120*
18.	SENATORI	Giada	96/120

\*Precedes due to younger age

The following candidates are declared as winners:

1. BATISTI Marco
2. GRILLI Niccolò
3. GIGLIOTTI Federico

According to the order of the ranking list, positions without scholarship will be allocated only upon the acceptance of the scholarship by candidate no. 1 and unless he renounces the scholarship itself.

**RANKINGS FOR POSITIONS WITH SPECIFIC RESEARCH TOPICS**  
**University of Florence - Department of Industrial Engineering (DIEF)**

**Thematic:** "Artificial intelligence techniques for underwater vehicles for monitoring and intervention tasksatic"

	SURNAME	NAME	FINAL SCORE
1.	CECCHI	Lorenzo	115/120

The candidate CECCHI Lorenzo is declared as winner

**Thematic:** "Heat mining in horizontal closed loop geothermal systems with CO2 and smart fluids mixtures: modelling and experimental analysis on a lab scale test bench"

	SURNAME	NAME	FINAL SCORE
1.	JAMALI ALAMOOTI	Samira	117/120
2.	GIGLIOTTI	Federico	114/120
3.	ABDUL FAREED	Shaila	111/120

The candidate JAMALI ALAMOOTI Samira is declared as winner

**Thematic:** "Optimization and monitoring of machining and WAAM additive processes"

Not assigned
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**Thematic:** "Aerodynamic study of innovative turbines for energy transition applications"

	SURNAME	NAME	FINAL SCORE
1.	GIANNINI	Giovanni	111/120

The candidate GIANNINI Giovanni is declared as winner

**Thematic:** “Manufacturing process modelling and optimization for aerospace components”

	<b>SURNAME</b>	<b>NAME</b>	<b>FINAL SCORE</b>
1.	LILLI	Riccardo	111/120

The candidate LILLI Riccardo is declared as winner

**Thematic:** “Physical and Virtual prototyping of tools and devices to support personalised medicine”

	<b>SURNAME</b>	<b>NAME</b>	<b>FINAL SCORE</b>
1.	MAGNANI	Aurora	111/120

The candidate MAGNANI Aurora is declared as winner

**Thematic:** “Research and development on multi-modal behaviour models for Human Robot Interaction and social decisionmaking in biomedical contexts”

	<b>SURNAME</b>	<b>NAME</b>	<b>FINAL SCORE</b>
1.	PUGI	Lorenzo	107/120
2.	RETTORI	Lorenzo	95/120

The candidate PUGI Lorenzo is declared as winner

**Thematic:** “Modelling and simulation of natural gas distribution networks with hydrogen injection”

	<b>SURNAME</b>	<b>NAME</b>	<b>FINAL SCORE</b>
1.	FRANCESCONI	Michele	108/120

The candidate FRANCESCONI Michele is declared as winner

**RANKINGS FOR POSITIONS WITH SPECIFIC RESEARCH TOPICS**  
**NRRP European Union – NextGenerationEU**  
**Co-funded by Department of Industrial Engineering (DIEF)**

**Thematic:** “Simulation, Experimentation and Optimization of Energy Storage and Management Systems for Land Vehicles”  
Centro Nazionale per la Mobilità Sostenibile - CNMS  
CN4 – CUP: B13C22001000001

	<b>SURNAME</b>	<b>NAME</b>	<b>FINAL SCORE</b>
1.	KOCIU	Aljon	100/120

The candidate KOCIU Aljon is declared as winner

**Thematic:** “Employment of machine learning techniques in the development of turbulence and transition models for applications in turbomachinery flow”

Centro Nazionale di Ricerca HPC, Big data e Quantum Computing  
CN1 – CUP: B83C22002830001

	<b>SURNAME</b>	<b>NAME</b>	<b>FINAL SCORE</b>
1.	METTI	Leonardo	114/120

The candidate METTI Leonardo is declared as winner

**Thematic:** “Pressure Gain Combustion demonstrator development for new Hydrogen high efficiency thermal engine based on Rotating Detonation”

Centro Nazionale per la Mobilità Sostenibile - CNMS  
CN4 – CUP: B13C22001000001

	<b>SURNAME</b>	<b>NAME</b>	<b>FINAL SCORE</b>
1.	TAGLIAFERRI	Mauro	113/120

The candidate TAGLIAFERRI Mauro is declared as winner

**Thematic:** “Development of numerical simulation methodologies for the study of innovative turbocharging systems for hydrogen-fueled internal combustion engines”

Centro Nazionale per la Mobilità Sostenibile - CNMS  
CN4 – CUP: B13C22001000001

	<b>SURNAME</b>	<b>NAME</b>	<b>FINAL SCORE</b>
1.	VENTURI	Alessio	115/120
2.	GRILLI	Niccolò	113/120

The candidate VENTURI Alessio is declared as winner

**Thematic:** “Research and development in Ultra-portable AI-based sensor systems for biomechanical and neurophysiological assessment in chronic disorders”

THE - Tuscany Health Ecosystem - CUP B83C22003920001

	<b>SURNAME</b>	<b>NAME</b>	<b>FINAL SCORE</b>
1.	FRANCALANCI	Beatrice	112/120
2.	RETTORI	Lorenzo	102/120

The candidate FRANCALANCI Beatrice is declared as winner

**RANKING FOR POSITIONS WITH SPECIFIC RESEARCH TOPICS**

**Cassa di Risparmio di Pistoia e Pescia**

**Thematic:** "Ultrasound treatment of tumor tissues to force cells into apoptosis"

	<b>SURNAME</b>	<b>NAME</b>	<b>FINAL SCORE</b>
1.	RICCI	Martina	104/120

The candidate RICCI Martina is declared as winner

Florence, 30<sup>th</sup> August 2023