



**Politecnico
di Torino**

Nucleo
Dottorato di Ricerca

Ranking List for the PhD program in **Aerospace Engineering** 39th Cycle Second session

Total number of ordinary positions available in second session: 31

Total number of positions reserved to boursaries of Governments or by national or foreign public bodies, available in second session: 0

Summary tab of scholarships available in second session:

1	University scholarship	Scholarship withown research topic
1	DIMEAS - Experimental investigation of the flow-acoustic interaction over an acoustic liner grazed by a turbulent flow.	Scholarship with predefined research topic
1	DIMEAS - High-fidelity numerical simulations of the acoustic-flow interaction over an acoustic liner grazied by a turbulent flow.	Scholarship with predefined research topic
1	DIMEAS - New parametric models for life cycle cost and life cycle assessment estimation	Scholarship with predefined research topic
1	DIMEAS - On-board systems design and modelling for hybrid-electric and full-electric aircraft	Scholarship with predefined research topic
1	DIMEAS - Scientific machine learning and digital twins for hydrogen-based propulsion	Scholarship with predefined research topic
1	DIMEAS - Scientific machine learning and digital twins in Fluid mechanics and wind energy	Scholarship with predefined research topic
1	IIT - System design and component analysis of a space-based solar power station for providing power to Earth or Moon	Scholarship with predefined research topic
1	MUR DM 117/Aiko - Dynamic modelling of spacecraft relative maneuvering for real time GN&C strategies	Scholarship with predefined research topic
1	MUR DM 117/CIRA - Aerodynamic analysis and optimization of super/hypersonic aircraft	Scholarship with predefined research topic
1	MUR DM 117/CIRA - Modellazione del rumore tonale e larga banda di velivoli ad ala rotante attraverso soluzioni CFD	Scholarship with predefined research topic
1	MUR DM 117/CIRA - Multi-disciplinary methods and tools for the conceptual and preliminary design of sustainable hypersonic vehicles	Scholarship with predefined research topic
1	MUR DM 117/CIRA - Multi-disciplinary methods&tools for flexible thermal protection systems for inflatable or deployable heat shields of space re-entry systems	Scholarship with predefined research topic
1	MUR DM 117/CIRA - Ottimizzazione di tecnologie passive di abbattimento del rumore (liner) per motori Boundary Layer Ingestion	Scholarship with predefined research topic

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1	MUR DM 117/CIRA - Shape reconstruction of a space structure from strain measurements	Scholarship with predefined research topic
1	MUR DM 117/CIRA - Study and analysis of sustainable space transportation systems	Scholarship with predefined research topic
1	MUR DM 117/FEV - Application of nanotechnologies in the field of future sustainable mobility: The challenges related to simulation and experimentation	Scholarship with predefined research topic
1	MUR DM 117/Fondazione LINKS - Autonomous operations of heterogeneous robotic systems in real environment	Scholarship with predefined research topic
1	MUR DM 117/Leonardo - Life Cycle Assessment of Aircraft	Scholarship with predefined research topic
1	MUR DM 117 - LifeCycle Cost Analysis of Life Support Systems for SpaceExploration: sustainable management of vital resources for harsh environmental conditions	Scholarship with predefined research topic
1	MUR DM 117/NLR -Advancements in Particle Image Velocimetry (PIV) technique for the measurement of the acoustic flow interaction over an acoustic liner	Scholarship with predefined research topic
1	MUR DM 118 - Aerospace-Engineering Systems and Methods for Climate Mitigation Actions	Scholarship with predefined research topic
1	MUR DM 118 - Design of an LTA remotely controlled atmospheric platform	Scholarship with predefined research topic
1	MUR DM 118 - End to end simulator for spaceborne atmospheric radars for the validation of the new generation Earth system models	Scholarship with predefined research topic
1	MUR DM 118 - Multidisciplinary Optimisation to Reduce the Environmental Impact of Urban Air Mobility Vehicles	Scholarship with predefined research topic
1	MUR DM 118 - Novel control strategies for drag reduction in wall-bounded turbulence	Scholarship with predefined research topic
1	Optimizing countermeasures against cardiovascular deconditioning and cerebral hemodynamics changes in long-term human spaceflights	Scholarship with predefined research topic
1	PNRR - Development of flow control methodologies for lifting surfaces of next generation aircraft with hybrid/electric propulsion	Scholarship with predefined research topic

Number of positions without scholarship available for the second session: 3

SHORTLISTED CANDIDATES

User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F443828	91	---	---	Borsa di Ateneo	---
F411528	90	Optimizing countermeasures against cardiovascular deconditioning and cerebral hemodynamics changes in long-term human spaceflights	---	Optimizing countermeasures against cardiovascular deconditioning and cerebral hemodynamics changes in long-term human spaceflights	---

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User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F530318	85	---	YES	---	Conditional admission **
F511160	84	MUR DM 117/CIRA - Aerodynamic analysis and optimization of super/hypersonic aircraft	---	MUR DM 117/CIRA - Aerodynamic analysis and optimization of super/hypersonic aircraft	---
F420331	83	MUR DM 118 - Novel control strategies for drag reduction in wall-bounded turbulence	---	MUR DM 118 - Novel control strategies for drag reduction in wall-bounded turbulence	---
F526144	80	DIMEAS - High-fidelity numerical simulations of the acoustic-flow interaction over an acoustic liner grazied by a turbulent flow.	---	DIMEAS - High-fidelity numerical simulations of the acoustic-flow interaction over an acoustic liner grazied by a turbulent flow.	---
F528729	78	MUR DM 117/CIRA - Modellazione del rumore tonale e larga banda di velivoli ad ala rotante attraverso soluzioni CFD	---	MUR DM 117/CIRA - Modellazione del rumore tonale e larga banda di velivoli ad ala rotante attraverso soluzioni CFD	Conditional admission *
F423253	77	PNRR - Development of flow control methodologies for lifting surfaces of next generation aircraft with hybrid/electric propulsion	---	PNRR - Development of flow control methodologies for lifting surfaces of next generation aircraft with hybrid/electric propulsion	---
F489701	76	MUR DM 117/CIRA - Study and analysis of sustainable space transportation systems	---	MUR DM 117/CIRA - Study and analysis of sustainable space transportation systems	Conditional admission *
F405823	75	---	---	---	---
F448256	74	117/CIRA -Multi-disciplinary methods&tools for flexible thermal protection systems for inflatable or deployable heat shields of space re-entry systems	---	117/CIRA -Multi-disciplinary methods&tools for flexible thermal protection systems for inflatable or deployable heat shields of space re-entry systems	---
F454587	73.5	MUR DM 118 - Multidisciplinary Optimisation to Reduce the Environmental Impact of Urban Air Mobility Vehicles	---	MUR DM 118 - Multidisciplinary Optimisation to Reduce the Environmental Impact of Urban Air Mobility Vehicles	Conditional admission *
F405063	73	MUR DM 117/Fondazione LINKS - Autonomous operations of heterogeneous robotic systems in real environment	---	MUR DM 117/Fondazione LINKS - Autonomous operations of heterogeneous robotic	Conditional admission *

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User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
				systems in real environment	
F520212	72	DIMEAS - On-board systems design and modelling for hybrid-electric and full-electric aircraft	---	DIMEAS - On-board systems design and modelling for hybrid-electric and full-electric aircraft	---
F371704	71.5	---	---	---	Conditional admission **
F412247	70.5	MUR DM 117/FEV - Application of nanotechnologies in the field of future sustainable mobility: The challenges related to simulation and experimentation	---	MUR DM 117/FEV - Application of nanotechnologies in the field of future sustainable mobility: The challenges related to simulation and experimentation	Conditional admission *

Candidates selected for a position, who have already met all admission requirements (see art. 6, paragraph 1 of the call for applications) as of 30th September 2023, must enroll online through the Apply procedure **from 2nd October 2023 to 8th October 2023** and must make identification at the Ph.D. Unit from **9th October to 20th October 2023**.

Candidates selected for a position, who meet all the admission requirements (see art. 6, paragraph 1 of the call for applications) on 31st October 2023, must enroll online through the Apply procedure **from 2nd November 2023 to 8th November 2023** and must make identification at the Ph.D. Unit from **9th November to 15th November 2023**.

Applicants admitted to a Ph.D. programme with a scholarship pursuant to **Ministerial Decree no. 117** and **Ministerial Decree no. 118** are required to enrol according to the deadlines that will be communicated by the Ph.D. Unit directly to the interested, in order to fulfil the obligations provided by the above-mentioned Decrees.

ELIGIBLE CANDIDATES

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User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F298044	70	---	---	---	---

Applicants who scored at least 60/100 and want to assert their eligibility to get admission within the number of reserved positions available (art. 2 paragraph 2 “Reserved Ph.D positions” in the call for admission) shall contact PhD Office ([exclusively through the ticketing service](#)) by **5th October 2023**, including documents supporting their request of admission within the total number of reserved position.

Description of Notes field:

* Conditional admission: because the Master Degree is not yet acquired. The eventual enrollment to a PhD program could take place only if the Master Degree is achieved within **31st October 2023**. The failure of achievement by the deadline would result in the irrevocable loss of the right to enroll.

** Conditional admission: because the English certificates required to enrol in a PhD programme is not yet acquired.

In case of admission in a PhD programme, the candidate will be allowed to enrol only if submitting **by and no later than 31st October 2023**) one among the certificates required, pursuant to art. 6, paragraph 1, letter b) of the call for admission. The failure to submit the certificate shall entail the loss of the right to enrolment.

Torino, 14/09/2023