Politecnico di Torino

Nucleo Dottorato di Ricerca

Ranking List for the PhD program in

Computer and Control Engineering

39th Cycle

Second session

Total number of ordinary positions available in second session: 37

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:

5	University scholarships	Scholarships withown research topic
1	AI for new generation manufacturing systems	Scholarship with predefined research topic
1	Assessment Tasks and Virtual Exergames for Rehabilitation and Remote Monitoring of Parkinson's Disease	Scholarship with predefined research topic
1	CNR/IEIIT - Advanced communication technologies for automation	Scholarship with predefined research topic
1	COMITATO ICT - Quantum Computing applications to Cybersecurity and related algorithms	Scholarship with predefined research topic
1	DAUIN - REASE: REsilient computing Architecture in the Space quantum communication Era	Scholarship with predefined research topic
1	DAUIN - Safe and trustworthy AI	Scholarship with predefined research topic
1	DAUIN - Secure and trusted network channels	Scholarship with predefined research topic
1	MUR DM 117/Aruba - Next Generation Software for Datacenter Networking	Scholarship with predefined research topic
1	MUR DM 117/Huawei - Latency-Optimized Inference for Large Language Models	Scholarship with predefined research topic
1	MUR DM 117/Italdesign - Design of an integrated system for testing headlamp optical functionalities.	Scholarship with predefined research topic
1	MUR DM 117/Italdesign - Software-Defined Vehicle	Scholarship with predefined research topic
1	MUR DM 117/SAT - Non-invasive and low-cost solutions for health monitoring during sleep	Scholarship with predefined research topic
1	MUR DM 117/SAT - Non-invasive and low-cost solutions for health monitoring of new-borns	Scholarship with predefined research topic
1	MUR DM 117/STMicroelectronics - Design Automation for Mixed-Signal Heterogeneous Systems	Scholarship with predefined research topic
1	MUR DM 117/STMicroelectronics - Design techniques for low-area digital circuits in industrial and medical applications based on machine learning	Scholarship with predefined research topic
1	MUR DM 117/STMicroelectronics - Innovative techniques to improve the reliability of embedded and HPC systems	Scholarship with predefined research topic
1	MUR DM 117/STMicroelectronics - Measurements in optical spectrometry for the evaluation of vital parameters	Scholarship with predefined research topic

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Ministero dell'Università e della Ricerca

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PIANO NAZIONALE DI RIPRESA E RESILIENZA

1	MUR DM 117/STMicroelectronics - Tecniche di Testing and Diagnosis per assicurare l'affidabilità di dispositivi automotive	Scholarship with predefined research topic
1	MUR DM 117/Stellantis - A global multi-objective approach to trip optimization and optimal propulsion system management in battery electric vehicles	Scholarship with predefined research topic
1	MUR DM 117/Stellantis - Innovative Automated Driving functional architecture based on APF/MPC approaches for new sustainable mobility systems	Scholarship with predefined research topic
1	MUR DM 117/Stellantis - ML4VECA: Machine Learning for in-VEhicle Context Awareness	Scholarship with predefined research topic
1	MUR DM 117/Stellantis - Use of collective and collaborative perception for automated driving at L4+ level	Scholarship with predefined research topic
1	MUR DM 118 - Advanced Deep Learning Optimization for Extreme Edge Applications	Scholarship with predefined research topic
1	MUR DM 118 - Reliability and security of AI-based systems	Scholarship with predefined research topic
1	MUR DM 118 - Solutions to support the Public Administration in developing and certifying V2X safety and security	Scholarship with predefined research topic
1	MURDM 117/Stellantis -Novel algorithms and synthetic dataset creation for face & body pose recognition in the wild applied in cockpit emergency access	Scholarship with predefined research topic
1	PNRR - Cloud continuum machine learning	Scholarship with predefined research topic
1	PNRR - Design of Tools for exploiting heterogeneous fog computing systems	Scholarship with predefined research topic
1	PNRR - Optimizing Compilers for the Deployment of Complex Applications on Heterogeneous Edge Devices	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
F405932	88,5	COMITATO ICT - Quantum Computing applications to Cybersecurity and related algorithms	---	COMITATO ICT - Quantum Computing applications to Cybersecurity and related algorithms	---
F530458	87,7	MUR DM 118 - Advanced Deep Learning Optimization for Extreme Edge Applications	---	MUR DM 118 - Advanced Deep Learning Optimization for Extreme Edge Applications	---
F400702	87,4	MUR DM 117/SAT - Non-invasive and low-cost solutions for health monitoring of new-borns	---	MUR DM 117/SAT - Non-invasive and low-cost solutions for health monitoring of new-borns	---
F529318	86	MUR DM 117/STMicroelectronics - Design techniques for low-area digital circuits in industrial and medical applications based on machine learning	---	MUR DM 117/STMicroelectronics - Design techniques for low-area digital circuits in industrial and medical applications based on machine learning	---

User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F405666	84,3	MUR DM 117/Stellantis - Innovative Automated Driving functional architecture based on APF/MPC approaches for new sustainable mobility systems	---	MUR DM 117/Stellantis - Innovative Automated Driving functional architecture based on APF/MPC approaches for new sustainable mobility systems	---
F532278	84,2	MUR DM 117/Huawei - Latency-Optimized Inference for Large Language Models	---	MUR DM 117/Huawei - Latency-Optimized Inference for Large Language Models	Conditional admission *
F499652	84	---	---	Ateneo	---
F532481	83,3	---	SI	---	---
F402212	81,2	---	SI	---	---
F377688	81,1	MUR DM 117/SAT - Non-invasive and low-cost solutions for health monitoring during sleep	---	MUR DM 117/SAT - Non-invasive and low-cost solutions for health monitoring during sleep	---
F475773	80,7	PNRR - Design of Tools for exploiting heterogeneous fog computing systems	---	PNRR - Design of Tools for exploiting heterogeneous fog computing systems	---
F488374	79,1	MUR DM 118 - Reliability and security of AI-based systems	---	MUR DM 118 - Reliability and security of AI-based systems	Conditional admission *
F337417	78,7	Assessment Tasks and Virtual Exergames for Rehabilitation and Remote Monitoring of Parkinson's Disease	---	Assessment Tasks and Virtual Exergames for Rehabilitation and Remote Monitoring of Parkinson's Disease	---
F531960	76,2	---	---	Ateneo	Conditional admission *
F444913	75,3	DAUIN - REASE: REsilient computing Architecture in the Space quantum communication Era	---	DAUIN - REASE: REsilient computing Architecture in the Space quantum communication Era	Younger applicant prevails Conditional admission *
F531737	75,3	AI for new generation manufacturing systems	---	AI for new generation manufacturing systems	---
F499412	74,9	MUR DM 117/STMicroelectronics - Measurements in optical spectrometry for the evaluation of vital parameters	---	MUR DM 117/STMicroelectronics - Measurements in optical spectrometry for the evaluation of vital parameters	Conditional admission *
F499729	74,3	PNRR - Cloud continuum machine learning	---	PNRR - Cloud continuum machine learning	---
F525958	73,7	MUR DM 117/Stellantis - Use of collective and collaborative perception for automated driving at L4+ level	---	MUR DM 117/Stellantis - Use of collective and collaborative perception for automated driving at L4+ level	Younger applicant prevails Conditional admission *
F526693	73,7	---	---	Ateneo	Conditional admission *

User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F531183	72,7	---	---	Ateneo	Conditional admission *
F446541	72,3	PNRR - Optimizing Compilers for the Deployment of Complex Applications on Heterogeneous Edge Devices	---	PNRR - Optimizing Compilers for the Deployment of Complex Applications on Heterogeneous Edge Devices	Conditional admission *
F530265	71,4	CNR/IEIIT - Advanced communication technologies for automation	---	CNR/IEIIT - Advanced communication technologies for automation	Conditional admission *
F446886	71	MUR DM 117/Aruba - Next Generation Software for Datacenter Networking	---	MUR DM 117/Aruba - Next Generation Software for Datacenter Networking	Conditional admission *
F521615	70,7	MUR DM 117/Italdesign - Software-Defined Vehicle	---	MUR DM 117/Italdesign - Software-Defined Vehicle	Conditional admission *
F532218	69,8	DAUIN - Secure and trusted network channels	---	DAUIN - Secure and trusted network channels	Conditional admission *
F446129	68,8	MUR DM 117/STMicroelectronics - Design Automation for Mixed-Signal Heterogeneous Systems	---	MUR DM 117/STMicroelectronics - Design Automation for Mixed-Signal Heterogeneous Systems	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

No candidate.

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.

Torino, 14/09/2023

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