



**Politecnico
di Torino**

Nucleo
Dottorato di Ricerca

Ranking list for admission to national PhD Programme with administrative seat at Politecnico di Torino

Artificial Intelligence – Industry

39° Cycle

Total number of ordinary positions available: 30

Summary tab of scholarships available:

1	DAUIN - Artificial Intelligence for Trustworthiness of Computing Systems	Scholarship with predefined research topic
1	DAUIN - Digital Twins of Neuromorphic Neural Networks for the next generation of RISC-V systems	Scholarship with predefined research topic
1	MUR DM 117/Focoos AI - Toward efficient neural models for Computer Vision Tasks	Scholarship with predefined research topic
1	MUR DM 118 - AI for building indicators	Scholarship with predefined research topic
1	MUR DM 118 - AI for mobile application UI automatic testing and enhancement	Scholarship with predefined research topic
1	MUR DM 118 - AI-Driven Approaches for Biofabrication in Neuroscience: Advancing Biological Data Analysis and Industrial Applications	Scholarship with predefined research topic
1	MUR DM 118 - AI-based multi-agent systems for high dimensional control problems for energy management in buildings	Scholarship with predefined research topic
1	MUR DM 118 - Advanced AI-based solutions for enhancing human-machine interaction in neurorobotic devices for industry 4.0	Scholarship with predefined research topic
1	MUR DM 118 - Artificial Intelligence for the Prevention and Reduction of Environmental and Climate Risks and Greenwashing	Scholarship with predefined research topic
1	MUR DM 118 - Automated Assessment and Improvement of the Quality of Training Data for Machine Learning Models	Scholarship with predefined research topic
1	MUR DM 118 - Autonomous navigation of mobile robots to operate in barns and to monitor animal health	Scholarship with predefined research topic

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Ministero
dell'Università
e della Ricerca



Italiadomani
PIANO NAZIONALE
DI RIPRESA E RESILIENZA



1	MUR DM 118 - Continual Learning in Industrial Applications	Scholarship with predefined research topic
1	MUR DM 118 - Effective and efficient spatial and spectral super resolution for surface quality monitoring	Scholarship with predefined research topic
1	MUR DM 118 - Foundations of Intelligent Systems	Scholarship with predefined research topic
1	MUR DM 118 - Generative AI for Public Administration	Scholarship with predefined research topic
1	MUR DM 118 - Graph-theoretic models in machine learning and computer vision	Scholarship with predefined research topic
1	MUR DM 118 - Identification, model updating and seismic retrofit of structures and infrastructures through AI	Scholarship with predefined research topic
1	PNRR - AI-Driven Approaches for Enhanced Hardware and Operating System Security	Scholarship with predefined research topic
1	PNRR - Deep models for low-level image processing and vision	Scholarship with predefined research topic
1	PNRR - Enabling complex computer vision tasks on the edge	Scholarship with predefined research topic
1	PNRR - Enhancing Embedded Architecture Security in Automotive Systems through Artificial Intelligence	Scholarship with predefined research topic
1	PNRR - Enhancing Hardware Security in RISC-V Architecture through Artificial Intelligence	Scholarship with predefined research topic
1	PNRR - Generative deep learning and evolutionary machine learning for innovative structural engineering applications	Scholarship with predefined research topic
1	PNRR - Learning and optimization approaches for smart Electrical Vehicles	Scholarship with predefined research topic
1	PNRR - Learning skills for compliant robots	Scholarship with predefined research topic
1	PNRR - Reliable and large-scale visual geolocation	Scholarship with predefined research topic
1	PNRR - Topological and geometric methods in AI	Scholarship with predefined research topic

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1	PNRR - Visual geolocalization from 2D/3D data	Scholarship with predefined research topic
1	PNRR/Comau/Centro interdipartimentale SmartData - Multi-modal Learning for Reliable and Efficient Robotic Object Manipulation	Scholarship with predefined research topic
1	UNIAQ - Development of integrated methods across Control Theory and AI for optimal control and predictive maintenance in industrial automation	Scholarship with predefined research topic

SHORTLISTED CANDIDATES

User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F532481	84	MUR DM 118 - Graph-theoretic models in machine learning and computer vision MUR DM 118 - AI-Driven Approaches for Biofabrication in Neuroscience: Advancing Biological Data Analysis and Industrial Applications PNRR - Topological and geometric methods in AI	--	MUR DM 118 - AI-Driven Approaches for Biofabrication in Neuroscience: Advancing Biological Data Analysis and Industrial Applications	
F537049	81.3	MUR DM 118 - AI for building indicators MUR DM 118 - Generative AI for Public Administration MUR DM 118 - Foundations of Intelligent Systems	--	MUR DM 118 - Foundations of Intelligent Systems	
F533034	81	MUR DM 118 - Automated Assessment and Improvement of the Quality of Training Data for Machine Learning Models MUR DM 118 - AI for building indicators MUR DM 118 - Artificial Intelligence for the Prevention and Reduction of Environmental and Climate Risks and Greenwashing	--	MUR DM 118 - AI for building indicators	Conditional admission* Younger applicant prevails
F537313	81	MUR DM 118 - Automated Assessment and Improvement of the Quality of Training Data for Machine Learning Models	--	MUR DM 118 - Automated Assessment and Improvement of the Quality of Training Data for Machine Learning Models	Conditional admission*

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User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
		MUR DM 118 - AI for mobile application UI automatic testing and enhancement MUR DM 118 - Continual Learning in Industrial Applications			
F534060	80.8	MUR DM 118 - Automated Assessment and Improvement of the Quality of Training Data for Machine Learning Models MUR DM 118 - AI for mobile application UI automatic testing and enhancement PNRR - Enhancing Embedded Architecture Security in Automotive Systems through Artificial Intelligence	--	MUR DM 118 - AI for mobile application UI automatic testing and enhancement	Conditional admission*
F537473	80.5	MUR DM 118 - Generative AI for Public Administration	--	MUR DM 118 - Generative AI for Public Administration	Conditional admission* Younger applicant prevails
F377735	80.5	MUR DM 118 - AI-Driven Approaches for Biofabrication in Neuroscience: Advancing Biological Data Analysis and Industrial Applications PNRR - Topological and geometric methods in AI MUR DM 118 - AI-based multi-agent systems for high dimensional control problems for energy management in buildings	--	MUR DM 118 - AI-based multi-agent systems for high dimensional control problems for energy management in buildings	
F537315	80.3	MUR DM 118 - Foundations of Intelligent Systems MUR DM 118 - Graph-theoretic models in machine learning and computer vision PNRR - Topological and geometric methods in AI	--	MUR DM 118 - Graph-theoretic models in machine learning and computer vision	
F494089	79.8	PNRR - Generative deep learning and evolutionary machine learning for innovative structural engineering applications	--	PNRR - Generative deep learning and evolutionary machine learning for innovative structural engineering applications	

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User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F523516	79	MUR DM 117/Focoos AI - Toward efficient neural models for Computer Vision Tasks PNRR - Deep models for low- level image processing and vision PNRR - Enabling complex computer vision tasks on the edge	--	PNRR - Deep models for low- level image processing and vision	
F529062	78.8	PNRR - Learning skills for compliant robots MUR DM 117/Focoos AI - Toward efficient neural models for Computer Vision Tasks PNRR - Enabling complex computer vision tasks on the edge	--	MUR DM 117/Focoos AI - Toward efficient neural models for Computer Vision Tasks	Conditional admission* Younger applicant prevails
F377393	78.8	MUR DM 118 - Artificial Intelligence for the Prevention and Reduction of Environmental and Climate Risks and Greenwashing MUR DM 118 - Graph-theoretic models in machine learning and computer vision PNRR - Learning and optimization approaches for smart Electrical Vehicles	-	PNRR - Learning and optimization approaches for smart Electrical Vehicles	
F534482	78.3	MUR DM 118 - Continual Learning in Industrial Applications MUR DM 118 - Advanced AI- based solutions for enhancing human-machine interaction in neurobotic devices for industry 4.0 PNRR - Learning skills for compliant robots MUR DM 118 - Graph-theoretic models in machine learning and computer vision MUR DM 118 - AI-Driven Approaches for Biofabrication in	--	MUR DM 118 - Advanced AI- based solutions for enhancing human-machine interaction in neurobotic devices for industry 4.0	Conditional admission* Younger applicant prevails

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User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
		Neuroscience: Advancing Biological Data Analysis and Industrial Applications			
F513323	78.3	<p>MUR DM 118 - Continual Learning in Industrial Applications</p> <p>PNRR - Learning skills for compliant robots</p> <p>MUR DM 117/Focoos AI - Toward efficient neural models for Computer Vision Tasks</p> <p>PNRR/Comau/Centro interdipartimentale SmartData - Multi-modal Learning for Reliable and Efficient Robotic Object Manipulation</p> <p>PNRR - Deep models for low-level image processing and vision</p>	--	PNRR/Comau/Centro interdipartimentale SmartData - Multi-modal Learning for Reliable and Efficient Robotic Object Manipulation	
F446931	78	<p>MUR DM 118 - Artificial Intelligence for the Prevention and Reduction of Environmental and Climate Risks and Greenwashing</p> <p>MUR DM 118 - Autonomous navigation of mobile robots to operate in barns and to monitor animal health</p> <p>PNRR - Visual geolocalization from 2D/3D data</p> <p>PNRR - Reliable and large-scale visual geolocalization</p> <p>PNRR - Deep models for low-level image processing and vision</p>	--	MUR DM 118 - Autonomous navigation of mobile robots to operate in barns and to monitor animal health	<p>Conditional admission*</p> <p>Younger applicant prevails</p>
F363462	78	<p>MUR DM 118 - Generative AI for Public Administration</p> <p>MUR DM 117/Focoos AI - Toward efficient neural models for Computer Vision Tasks</p> <p>PNRR - Visual geolocalization from 2D/3D data</p>	--	PNRR - Visual geolocalization from 2D/3D data	Younger applicant prevails

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User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
		PNRR - Reliable and large-scale visual geolocalization MUR DM 118 - Graph-theoretic models in machine learning and computer vision			
F535380	78	PNRR - Generative deep learning and evolutionary machine learning for innovative structural engineering applications MUR DM 118 - Foundations of Intelligent Systems MUR DM 118 - Graph-theoretic models in machine learning and computer vision PNRR - Topological and geometric methods in AI	--	PNRR - Topological and geometric methods in AI	
F533458	77.8	MUR DM 118 - Advanced AI-based solutions for enhancing human-machine interaction in neurorobotic devices for industry 4.0 MUR DM 118 - Autonomous navigation of mobile robots to operate in barns and to monitor animal health MUR DM 117/Focoos AI - Toward efficient neural models for Computer Vision Tasks PNRR/Comau/Centro interdipartimentale SmartData - Multi-modal Learning for Reliable and Efficient Robotic Object Manipulation PNRR - AI-Driven Approaches for Enhanced Hardware and Operating System Security	---	PNRR - AI-Driven Approaches for Enhanced Hardware and Operating System Security	Conditional admission* Younger applicant prevails
F532158	77.8	PNRR - Deep models for low-level image processing and vision MUR DM 118 - Foundations of Intelligent Systems	--	MUR DM 118 - Identification, model updating and seismic retrofit of structures and infrastructures through AI	

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User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
		MUR DM 118 - Identification, model updating and seismic retrofit of structures and infrastructures through AI			
F283706	77.3	DAUIN - Digital Twins of Neuromorphic Neural Networks for the next generation of RISC-V systems PNRR - AI-Driven Approaches for Enhanced Hardware and Operating System Security PNRR - Enhancing Hardware Security in RISC-V Architecture through Artificial Intelligence PNRR - Enhancing Embedded Architecture Security in Automotive Systems through Artificial Intelligence	--	DAUIN - Digital Twins of Neuromorphic Neural Networks for the next generation of RISC-V systems	
F537714	77	UNIAQ - Development of integrated methods across Control Theory and AI for optimal control and predictive maintenance in industrial automation MUR DM 118 - Generative AI for Public Administration MUR DM 118 - Foundations of Intelligent Systems PNRR - Learning and optimization approaches for smart Electrical Vehicles PNRR - Enhancing Embedded Architecture Security in Automotive Systems through Artificial Intelligence	--	UNIAQ - Development of integrated methods across Control Theory and AI for optimal control and predictive maintenance in industrial automation	Younger applicant prevails Conditional admission*
F529302	77	PNRR - Learning skills for compliant robots MUR DM 117/Focoos AI - Toward efficient neural models for Computer Vision Tasks PNRR/Comau/Centro interdipartimentale SmartData - Multi-modal Learning for	--	PNRR - Learning skills for compliant robots	Younger applicant prevails



User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
		<p>Reliable and Efficient Robotic Object Manipulation</p> <p>PNRR - Enabling complex computer vision tasks on the edge</p>			
F535516	77	<p>MUR DM 118 - Continual Learning in Industrial Applications</p> <p>MUR DM 118 - Artificial Intelligence for the Prevention and Reduction of Environmental and Climate Risks and Greenwashing</p> <p>MUR DM 118 - Effective and efficient spatial and spectral super resolution for surface quality monitoring</p> <p>MUR DM 117/Focoos AI - Toward efficient neural models for Computer Vision Tasks</p> <p>PNRR - Deep models for low-level image processing and vision</p>	--	MUR DM 118 - Effective and efficient spatial and spectral super resolution for surface quality monitoring	Conditional admission*
F529315	76.5	<p>DAUIN - Artificial Intelligence for Trustworthiness of Computing Systems</p> <p>PNRR - AI-Driven Approaches for Enhanced Hardware and Operating System Security</p> <p>PNRR - Enhancing Hardware Security in RISC-V Architecture through Artificial Intelligence</p> <p>PNRR - Enhancing Embedded Architecture Security in Automotive Systems through Artificial Intelligence</p>	--	DAUIN - Artificial Intelligence for Trustworthiness of Computing Systems	<p>Conditional admission*</p> <p>Younger applicant prevails</p>
F533112	76.3	<p>MUR DM 118 - Automated Assessment and Improvement of the Quality of Training Data for Machine Learning Models</p> <p>MUR DM 118 - Continual Learning in Industrial Applications</p>	--	MUR DM 118 - Continual Learning in Industrial Applications	

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User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
		MUR DM 118 - Artificial Intelligence for the Prevention and Reduction of Environmental and Climate Risks and Greenwashing UNIAQ - Development of integrated methods across Control Theory and AI for optimal control and predictive maintenance in industrial automation MUR DM 118 - Generative AI for Public Administration MUR DM 118 - Foundations of Intelligent Systems			
F361025	75.8	MUR DM 118 - Continual Learning in Industrial Applications MUR DM 118 - Artificial Intelligence for the Prevention and Reduction of Environmental and Climate Risks and Greenwashing MUR DM 118 - Autonomous navigation of mobile robots to operate in barns and to monitor animal health MUR DM 118 - AI-Driven Approaches for Biofabrication in Neuroscience: Advancing Biological Data Analysis and Industrial Applications	--	MUR DM 118 - Artificial Intelligence for the Prevention and Reduction of Environmental and Climate Risks and Greenwashing	

Candidates selected for a position, who have already met all admission requirements (see art. 9, 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. Programmes Hub from **9th October to 20th October 2023**.

Candidates selected for a position, who meet all the admission requirements (see art. 9, 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. Programmes Hub 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 enroll according to the deadlines that will be communicated by the Ph.D. Programmes Hub directly to the interested, in order to fulfil the obligations provided by the above-mentioned Decrees.

ELIGIBLE CANDIDATES

User	Score	Eligibility to Scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F464764	80	<p>MUR DM 118 - Automated Assessment and Improvement of the Quality of Training Data for Machine Learning Models</p> <p>MUR DM 118 - AI for building indicators</p> <p>MUR DM 118 - Generative AI for Public Administration</p> <p>MUR DM 118 - Foundations of Intelligent Systems</p> <p>MUR DM 118 - Graph-theoretic models in machine learning and computer vision</p>	--	--	Conditional admission*
F477632	77.5	<p>MUR DM 118 - Foundations of Intelligent Systems</p> <p>PNRR - Learning and optimization approaches for smart Electrical Vehicles</p> <p>PNRR - Topological and geometric methods in AI</p>	--	--	
F448659	77	<p>MUR DM 118 - Advanced AI-based solutions for enhancing human-machine interaction in neurobotic devices for industry 4.0</p> <p>MUR DM 118 - Autonomous navigation of mobile robots to operate in barns and to monitor animal health</p> <p>MUR DM 118 - AI-Driven Approaches for Biofabrication in Neuroscience: Advancing Biological Data Analysis and Industrial Applications</p>	--	--	<p>Conditional admission*</p> <p>Younger applicant prevails</p>



User	Score	Eligibility to Scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F451142	76.5	<p>MUR DM 117/Focoos AI - Toward efficient neural models for Computer Vision Tasks</p> <p>PNRR/Comau/Centro interdipartimentale SmartData - Multi-modal Learning for Reliable and Efficient Robotic Object Manipulation</p> <p>PNRR - Deep models for low-level image processing and vision</p> <p>PNRR - AI-Driven Approaches for Enhanced Hardware and Operating System Security</p>			Conditional admission*
F536810	76	<p>MUR DM 118 - Automated Assessment and Improvement of the Quality of Training Data for Machine Learning Models</p> <p>MUR DM 118 - Continual Learning in Industrial Applications</p> <p>MUR DM 118 - Foundations of Intelligent Systems</p>	--	--	
F500246	75.3	<p>PNRR - Learning skills for compliant robots</p> <p>PNRR - Learning and optimization approaches for smart Electrical Vehicles</p> <p>PNRR - Topological and geometric methods in AI</p> <p>MUR DM 118 - AI-based multi-agent systems for high dimensional control problems for energy management in buildings</p>	--	--	Conditional admission*
F531960	75	<p>DAUIN - Artificial Intelligence for Trustworthiness of Computing Systems</p> <p>PNRR - AI-Driven Approaches for Enhanced Hardware and Operating System Security</p>	--	--	Conditional admission*



User	Score	Eligibility to Scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F440375	74.8	MUR DM 118 - Automated Assessment and Improvement of the Quality of Training Data for Machine Learning Models MUR DM 118 - Artificial Intelligence for the Prevention and Reduction of Environmental and Climate Risks and Greenwashing UNIAQ - Development of integrated methods across Control Theory and AI for optimal control and predictive maintenance in industrial automation MUR DM 118 - AI-based multi-agent systems for high dimensional control problems for energy management in buildings	--	--	
F538018	74.3	MUR DM 118 - Automated Assessment and Improvement of the Quality of Training Data for Machine Learning Models MUR DM 118 - AI for mobile application UI automatic testing and enhancement UNIAQ - Development of integrated methods across Control Theory and AI for optimal control and predictive maintenance in industrial automation MUR DM 118 - Generative AI for Public Administration MUR DM 118 - Foundations of Intelligent Systems	--	--	
F537922	73.8	MUR DM 118 - Generative AI for Public Administration MUR DM 118 - Foundations of Intelligent Systems MUR DM 118 - AI-based multi-agent systems for high dimensional control problems for energy management in buildings	--	--	

Description of Notes field:

* Conditional admission: because the Master Degree is not yet acquired. The eventual enrolment 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 enrol.

Torino, 25/09/2023