Politecnico di Torino
Area Gestione Didattica

Ranking List for the National PhD program in Artificial Intelligence - Area Industry 4.0
38th Cycle

Total number of positions available: 23

Summary Tab of scholarships available: 23

1	AI for defects reduction in metal AM with innovative lasers	Scholarship with predefined research topic
1	Active Vision for intelligent robots	Scholarship with predefined research topic
1	Artificial Intelligence for health monitoring and maintenance of existing buildings and bridges	Scholarship with predefined research topic
1	Automatic deployment of Machine Learning and Optimization algorithms	Scholarship with predefined research topic
1	Automation and data-driven frameworks for innovative logistics, transportation systems	Scholarship with predefined research topic
1	Combining symbolic and sub-symbolic methods to realize explainable decision support systems	Scholarship with predefined research topic
1	DM 351 PA - Artificial Intelligence for Financial Surveillance in the era of Cryptocurrencies	Scholarship with predefined research topic
1	DM 351 PNRR - AI for the development of medical devices for telemedicine applications	Scholarship with predefined research topic
1	DM 351 PNRR - Machine Learning And Computational Fluid Dynamics For Diagnosing Complex Systems	Scholarship with predefined research topic
1	DM 351 PNRR - Symbolic and data-driven verification of Cyber-physical Systems	Scholarship with predefined research topic
1	DM 351 PNRR - Trustworthy AI: Understanding and Improving Fairness in Visual Recognition	Scholarship with predefined research topic
1	DM351 PNRR - Foundations of Artificial Intelligence and Machine Learning	Scholarship with predefined research topic
1	Deep Learning for Robust Task-Oriented Robot Grasping	Scholarship with predefined research topic
1	Development of integrated methods across Control Theory and Artificial Intelligence	Scholarship with predefined research topic
1	Egocentric Vision for Advanced Human-Robot Cooperation	Scholarship with predefined research topic
1	Explainable AI models	Scholarship with predefined research topic

Politecnico di Torino
Area Gestione Didattica

1	Graph-theoretic models in machine learning and computer vision	Scholarship with predefined research topic
1	Human-in-the-loop Process Mining for Industry 4.0	Scholarship with predefined research topic
1	Improving the efficiency of collaborative robotized assemblies through human understanding	Scholarship with predefined research topic
1	Integration of Machine Learning and Knowledge Representation for Digital Factory Twin applications	Scholarship with predefined research topic
1	Safe Reinforcement Learning	Scholarship with predefined research topic
1	Trustworthy and Reliable AI in industry applications	Scholarship with predefined research topic
1	reliabLE mAchine leaRning in iNdustry 4.0 (LEARN)	Scholarship with predefined research topic

SHORTLISTED CANDIDATES

User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F486609	89	Graph-theoretic models in machine learning and computer vision Trustworthy and Reliable AI in industry applications Explainable AI models Integration of Machine Learning and Knowledge Representation for Digital Factory Twin applications	--	Explainable AI models	*conditional admission
F482974	88	Egocentric Vision for Advanced Human-Robot Cooperation Deep Learning for Robust Task-Oriented Robot Grasping DM 351 PNRR - Trustworthy AI: Understanding and Improving Fairness in Visual Recognition	--	DM 351 PNRR - Trustworthy AI: Understanding and Improving Fairness in Visual Recognition	*conditional admission
F486322	86	Safe Reinforcement Learning Graph-theoretic models in machine learning and computer vision Explainable AI models DM351 PNRR - Foundations of Artificial Intelligence and Machine Learning DM 351 PNRR - Machine Learning And Computational Fluid Dynamics For Diagnosing Complex Systems	--	DM 351 PNRR - Foundations of Artificial Intelligence and Machine Learning	*conditional admission

Politecnico di Torino

Area Gestione Didattica

User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F253678	85	Graph-theoretic models in machine learning and computer vision Trustworthy and Reliable AI in industry applications DM351 PNRR - Foundations of Artificial Intelligence and Machine Learning	--	Graph-theoretic models in machine learning and computer vision	
F486916	84.3	Combining symbolic and sub-symbolic methods to realize explainable decision support systems Safe Reinforcement Learning reliabLE mAchine leaRning in iNdustry 4.0 (LEARN) Improving the efficiency of collaborative robotized assemblies through human understanding DM351 PNRR - Foundations of Artificial Intelligence and Machine Learning	--	Safe Reinforcement Learning	
F486859	84	Automatic deployment of Machine Learning and Optimization algorithms Graph-theoretic models in machine learning and computer vision Explainable AI models DM351 PNRR - Foundations of Artificial Intelligence and Machine Learning	--	Automatic deployment of Machine Learning and Optimization algorithms	

Politecnico di Torino

Area Gestione Didattica

User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F421069	83	Safe Reinforcement Learning Active Vision for intelligent robots Deep Learning for Robust Task-Oriented Robot Grasping DM 351 PNRR - Trustworthy AI: Understanding and Improving Fairness in Visual Recognition	--	Deep Learning for Robust Task-Oriented Robot Grasping	*conditional admission
F487002	82	DM351 PNRR - Foundations of Artificial Intelligence and Machine Learning DM 351 PNRR - Trustworthy AI: Understanding and Improving Fairness in Visual Recognition DM 351 PNRR - AI for the development of medical devices for telemedicine applications	--	DM 351 PNRR - AI for the development of medical devices for telemedicine applications	*conditional admission Younger applicant prevails
F426254	82	Egocentric Vision for Advanced Human-Robot Cooperation Deep Learning for Robust Task-Oriented Robot Grasping DM 351 PNRR - Trustworthy AI: Understanding and Improving Fairness in Visual Recognition	--	Egocentric Vision for Advanced Human-Robot Cooperation	*conditional admission Younger applicant prevails
F486417	82	Graph-theoretic models in machine learning and computer vision Explainable AI models Integration of Machine Learning and Knowledge Representation for Digital Factory Twin applications DM 351 PNRR - Trustworthy AI: Understanding and Improving Fairness in Visual Recognition	--	Integration of Machine Learning and Knowledge Representation for Digital Factory Twin applications	
F485850	81	Egocentric Vision for Advanced Human-Robot Cooperation Safe Reinforcement Learning Active Vision for intelligent robots Trustworthy and Reliable AI in industry applications Deep Learning for Robust Task-Oriented Robot Grasping	--	Active Vision for intelligent robots	Younger applicant prevails

Politecnico di Torino

Area Gestione Didattica

User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F483040	81	Egocentric Vision for Advanced Human-Robot Cooperation Improving the efficiency of collaborative robotized assemblies through human understanding Deep Learning for Robust Task-Oriented Robot Grasping	--	Improving the efficiency of collaborative robotized assemblies through human understanding	*conditional admission Younger applicant prevails
F484567	81	Egocentric Vision for Advanced Human-Robot Cooperation Development of integrated methods across Control Theory and Artificial Intelligence DM 351 PNRR - Trustworthy AI: Understanding and Improving Fairness in Visual Recognition	--	Development of integrated methods across Control Theory and Artificial Intelligence	
F486873	80	Egocentric Vision for Advanced Human-Robot Cooperation Development of integrated methods across Control Theory and Artificial Intelligence reliabLE mAchine leaRning in iNdustry 4.0 (LEARN) Active Vision for intelligent robots	--	reliabLE mAchine leaRning in iNdustry 4.0 (LEARN)	Younger applicant prevails
F438999	80	Automatic deployment of Machine Learning and Optimization algorithms Safe Reinforcement Learning Automation and data-driven frameworks for innovative logistics, transportation systems Active Vision for intelligent robots Deep Learning for Robust Task-Oriented Robot Grasping	--	Automation and data-driven frameworks for innovative logistics, transportation systems	

Politecnico di Torino

Area Gestione Didattica

User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F483847	79	Safe Reinforcement Learning reliabLE mAchine leaRning in iNdustry 4.0 (LEARN) DM 351 PNRR - Machine Learning And Computational Fluid Dynamics For Diagnosing Complex Systems	--	DM 351 PNRR - Machine Learning And Computational Fluid Dynamics For Diagnosing Complex Systems	*conditional admission Younger applicant prevails
F486367	79	Explainable AI models DM351 PNRR - Foundations of Artificial Intelligence and Machine Learning AI for defects reduction in metal AM with innovative lasers DM 351 PNRR - AI for the development of medical devices for telemedicine applications	--	AI for defects reduction in metal AM with innovative lasers	
F486197	78	Combining symbolic and sub-symbolic methods to realize explainable decision support systems Active Vision for intelligent robots Explainable AI models DM 351 PNRR - Machine Learning And Computational Fluid Dynamics For Diagnosing Complex Systems DM 351 PNRR - AI for the development of medical devices for telemedicine applications	--	Combining symbolic and sub-symbolic methods to realize explainable decision support systems	
F318423	77	reliabLE mAchine leaRning in iNdustry 4.0 (LEARN) Trustworthy and Reliable AI in industry applications Deep Learning for Robust Task-Oriented Robot Grasping DM 351 PNRR - Trustworthy AI: Understanding and Improving Fairness in Visual Recognition	--	Trustworthy and Reliable AI in industry applications	

Politecnico di Torino

Area Gestione Didattica

User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F486628	76	Automation and data-driven frameworks for innovative logistics, transportation systems Active Vision for intelligent robots Explainable AI models DM 351 PNRR - Symbolic and data-driven verification of Cyber-physical Systems DM 351 PNRR - Trustworthy AI: Understanding and Improving Fairness in Visual Recognition	--	DM 351 PNRR - Symbolic and data-driven verification of Cyber-physical Systems	
F486995	75	Development of integrated methods across Control Theory and Artificial Intelligence Artificial Intelligence for health monitoring and maintenance of existing buildings and bridges Deep Learning for Robust Task-Oriented Robot Grasping	--	Artificial Intelligence for health monitoring and maintenance of existing buildings and bridges	*conditional admission
F483559	71	Graph-theoretic models in machine learning and computer vision DM351 PNRR - Foundations of Artificial Intelligence and Machine Learning Human-in-the-loop Process Mining for Industry 4.0	--	Human-in-the-loop Process Mining for Industry 4.0	
F486311	70	Safe Reinforcement Learning reliabLE mAchine leaRning in iNdustry 4.0 (LEARN) Automation and data-driven frameworks for innovative logistics, transportation systems DM 351 PA - Artificial Intelligence for Financial Surveillance in the era of Cryptocurrencies Integration of Machine Learning and Knowledge Representation for Digital Factory Twin applications	--	DM 351 PA - Artificial Intelligence for Financial Surveillance in the era of Cryptocurrencies	

Description of Notes field:

* Conditional admission: if the Master's Degree is not achieved yet. The eventual enrollment to the PhD program could take place only if the Master Degree is achieved within 31st October 2022, pursuant to art. 5 paragraph 1 of the call for admission. The failure of achievement by the deadline would result in the irrevocable loss of the right to enroll.

From 4th to 31st October 2022, the admitted applicants in the PhD program **must enrol online through the Apply platform and by 8th November 2022** they must **present themselves to the Doctoral School for the second phase of the enrolment.**

Politecnico di Torino

Area
Gestione Didattica

For candidates with an allocated scholarship in the frame of DM 351, an earlier deadline for the on-line enrolment is set at 9th October 2022 and by 8th November 2022 they must **present themselves to the Doctoral School for the second phase of the enrolment**

ELIGIBLE CANDIDATES

User	Score	Eligibility to scholarship with predefined research topic	Waiving right to scholarship	Allocated scholarship	Notes
F486224	84.2	Safe Reinforcement Learning Graph-theoretic models in machine learning and computer vision Explainable AI models DM351 PNRR - Foundations of Artificial Intelligence and Machine Learning DM 351 PNRR - Trustworthy AI: Understanding and Improving Fairness in Visual Recognition	--	--	
F484907	80	Improving the efficiency of collaborative robotized assemblies through human understanding Explainable AI models Integration of Machine Learning and Knowledge Representation for Digital Factory Twin applications	--	--	

Turin, 29/09/2022