



**Politecnico
di Torino**

Nucleo
Dottorato di Ricerca

Graduatoria di ammissione al
Dottorato di Ricerca in
Energetica
39° Ciclo
Seconda sessione

Totale posti ordinari disponibili per la seconda sessione: 48

Totale posti riservati a borsisti di Governi/Enti pubblici nazionali o internazionali, disponibili per la seconda sessione: 0

Riepilogo borse disponibili per la seconda sessione:

4	Ateneo	Borse a tematica libera
1	ALSTOM - Hydrogen Fuel Cell propulsion trains Traction batteries: new horizons of CBM (Condition Based Maintenance)	Borsa a tematica vincolata
1	ALSTOM - Hydrogen trains: adaptive algorithms for section consumption forecast	Borsa a tematica vincolata
1	ALSTOM - The new challenge of hydrogen: from production to use and its performance	Borsa a tematica vincolata
1	DENERG - Modelling for safe hydrogen injection and management for European gas network resilience and decarbonization	Borsa a tematica vincolata
1	DENERG - Sustainable production routes for hard-to-abate industries	Borsa a tematica vincolata
1	ENEA - Detailed in-operando analysis of SOFC operating with bio-syngas: evaluation of the simultaneous impacts of organic and inorganic contaminants	Borsa a tematica vincolata
1	ENEA - Multi-physics model and energy performance analysis of high pressure water electrolysis systems with anionic polymeric membrane technology	Borsa a tematica vincolata
1	ENEA - Upscaling e ottimizzazione tecno-economica di tecnologie di upgrading e metanazione del biogas	Borsa a tematica vincolata
1	EURAC - Assessing the impact of AI-based intelligent services for enhancing the smartness of next generation grid-interactive buildings	Borsa a tematica vincolata
1	FBK - Proton conductive ceramic cells for FC/EL and for compression / separation (N ₂ , cracking NH ₃ , H ₂ /H ₂ O)	Borsa a tematica vincolata
1	INRIM - Construction and metrological validation of digital models (digital twins) for materials and energy storage devices	Borsa a tematica vincolata
1	MUR DM 117 - Analysis & assessment of the acoustic quality at the operator's position on off-road vehicles (tractors, construction site machines, buses, trucks)	Borsa a tematica vincolata
1	MUR DM 117/AddFor - Innovative solutions for the smart control of electrified Connected and Autonomous Vehicles (CAVs)	Borsa a tematica vincolata
1	MUR DM 117/Cogne Acciai - Optimization of energy consumption and carbon footprint of industrial processes for automotive steel components	Borsa a tematica vincolata
1	MUR DM 117/Convergent Science - Flex-fuel IC engine modeling and optimization for carbon-free mobility	Borsa a tematica vincolata

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1	MUR DM 117/Edison - Technical and economic assessment of Long-Duration Energy Storage (LDES) options for the energy markets	Borsa a tematica vincolata
1	MUR DM 117/ENI - Design and optimization of Triply Periodic Minimal Surfaces as heat sinks for the cooling of high heat-flux components in fusion reactors	Borsa a tematica vincolata
1	MUR DM 117/Ethos Energy - Design and optimization of gas turbine components for safe use of hydrogen/methane fuel blends	Borsa a tematica vincolata
1	MUR DM 117/GI - Advanced Materials, Manufacturing Techniques, and Lifecycle Assessment to Reduce Levelized Cost of Green Hydrogen	Borsa a tematica vincolata
1	MUR DM 117/GI - CFD modeling, design and 50W AEM test stack	Borsa a tematica vincolata
1	MUR DM 117/GI - Enhancing the energy efficiency of solar-water purification technology for green hydrogen production	Borsa a tematica vincolata
1	MUR DM 117/GI - Integration of solar-water purification technologies and electrochemical technologies for sustainable fuels and water purification	Borsa a tematica vincolata
1	MUR DM 117/Morfo Design - Virtual Engine Model Development for Multi-Scale High-Fidelity Simulation of Component and Fluid/Structure Interaction	Borsa a tematica vincolata
1	MUR DM 117/Newcleo - Development of a subchannel code for full-core thermal-hydraulic analysis of lead-cooled fast reactors	Borsa a tematica vincolata
1	MUR DM 117/Newcleo - Experimental and numerical study of a bayonet tube heat exchanger for decay heat removal in LFR	Borsa a tematica vincolata
1	MUR DM 117/Punch - NUMERICAL INVESTIGATION OF H ₂ -AIR MIXTURE FORMATION IN INNOVATIVE GREEN-HYDROGEN DIRECT-INJECTION ENGINES	Borsa a tematica vincolata
1	MUR DM 117/Stellantis - Analysis on components/systems and LCA on cells for EV batteries	Borsa a tematica vincolata
1	MUR DM 117/Stellantis - Modeling and experimental validation on test bench of innovative PEMFC stack for mobility applications	Borsa a tematica vincolata
1	MUR DM 117/Stellantis - Multiscale model for innovative battery cells (Li-metal and LiS cells)	Borsa a tematica vincolata
1	MUR DM 117/Vulkan - System-level analysis and energy management strategy design for marine hybrid powertrains	Borsa a tematica vincolata
1	MUR DM 117/Westinghouse - Advanced Uncertainty Quantification and Propagation Analysis to Support Lead Fast Reactor Development	Borsa a tematica vincolata
1	MUR DM 118 - Design and multi-physics modeling of 20 T superconducting magnets for particle accelerators and for fusion machines	Borsa a tematica vincolata
1	MUR DM 118 - Development of Enabling Technologies for Rotating Detonation Engines for a Greener Propulsion	Borsa a tematica vincolata
1	MUR DM 118 - Development of a digital twin for the operation of MW-class gyrotrons for plasma heating and current drive in fusion reactors	Borsa a tematica vincolata
1	MUR DM 118 - Development of self-consistent edge-core coupled transport models for impurities in Tokamaks	Borsa a tematica vincolata
1	MUR DM 118 - H ₂ -based power units for zero-equivalent mobility solutions	Borsa a tematica vincolata
1	MUR DM 118 - Modeling Post-Carbon Cities and Renewable Energy Communities	Borsa a tematica vincolata
1	MUR DM 118 - Modelling of laser-matter interaction for the sustainable energy production by nuclear fusion	Borsa a tematica vincolata
1	MUR DM 118 ex 351 - Tritium Technologies for the SORGENTINA-RF Facility	Borsa a tematica vincolata
1	PNRR - Innovative processes and materials for long-term thermal energy storage	Borsa a tematica vincolata

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1	PNRR - Techno-economic and environmental analysis of the role of low-carbon fuels in the design of future energy systems	Borsa a tematica vincolata
1	Università Tor Vergata/Denerg - Use of Artificial Intelligence Techniques for the Optimization of Innovative Solar Cell Production	Borsa a tematica vincolata

Posti senza borsa di studio disponibili per la seconda sessione: 2

CANDIDATI/E VINCITORI/VINCITRICI

User	Punteggio	Idoneità Borse Vincolate	Rinuncia borse	Assegnato	Note
F524530	85	---	---	Ateneo	---
F520497	84,8	MUR DM 118 - Development of Enabling Technologies for Rotating Detonation Engines for a Greener Propulsion	---	MUR DM 118 - Development of Enabling Technologies for Rotating Detonation Engines for a Greener Propulsion	Ammissione con riserva *
F446164	84,1	MUR DM 117/Vulkan - System-level analysis and energy management strategy design for marine hybrid powertrains	---	MUR DM 117/Vulkan - System-level analysis and energy management strategy design for marine hybrid powertrains	Ammissione con riserva *
F403178	83,6	MUR DM 117/Newcleo - Experimental and numerical study of a bayonet tube heat exchanger for decay heat removal in LFR	---	MUR DM 117/Newcleo - Experimental and numerical study of a bayonet tube heat exchanger for decay heat removal in LFR	---
F460199	83,1	EURAC - Assessing the impact of AI-based intelligent services for enhancing the smartness of next generation grid-interactive buildings	---	EURAC - Assessing the impact of AI-based intelligent services for enhancing the smartness of next generation grid-interactive buildings	---
F463267	82,8	FBK - Proton conductive ceramic cells for FC/EL and for compression / separation (N2, cracking NH3, H2/H2O)	---	FBK - Proton conductive ceramic cells for FC/EL and for compression / separation (N2, cracking NH3, H2/H2O)	Ammissione con riserva *
F513283	82,3	MUR DM 118 - Development of self-consistent edge-core coupled transport models for impurities in Tokamaks	---	MUR DM 118 - Development of self-consistent edge-core coupled transport models for impurities in Tokamaks	Ammissione con riserva *
F395926	80,1	MUR DM 118 - Design and multi-physics modeling of 20 T superconducting magnets for particle accelerators and for fusion machines	---	MUR DM 118 - Design and multi-physics modeling of 20 T superconducting magnets for particle accelerators and for fusion machines	---
F462755	79,3	Università Tor Vergata/Denerg - Use of Artificial Intelligence Techniques for the Optimization of Innovative Solar Cell Production	---	Università Tor Vergata/Denerg - Use of Artificial Intelligence Techniques for the Optimization of Innovative Solar Cell Production	Ammissione con riserva *
F423109	78,7	DENERG - Modelling for safe hydrogen injection and management for European gas network resilience and decarbonization	---	DENERG - Modelling for safe hydrogen injection and management for European gas network resilience and decarbonization	Ammissione con riserva *



User	Punteggio	Idoneità Borse Vincolate	Rinuncia borse	Assegnato	Note
F531711	78,6	MUR DM 118 - Development of a digital twin for the operation of MW-class gyrotrons for plasma heating and current drive in fusion reactors	---	MUR DM 118 - Development of a digital twin for the operation of MW-class gyrotrons for plasma heating and current drive in fusion reactors	Ammissione con riserva * **
F532963	77,4	---	---	Ateneo	---
F402125	77,1	MUR DM 118 - H2-based power units for zero-equivalent mobility solutions	---	MUR DM 118 - H2-based power units for zero-equivalent mobility solutions	Ammissione con riserva *
F246309	76,3	MUR DM 118 ex 351 - Tritium Technologies for the SORGENTINA-RF Facility	---	MUR DM 118 ex 351 - Tritium Technologies for the SORGENTINA-RF Facility	---
F423189	76	MUR DM 117/Edison - Technical and economic assessment of Long-Duration Energy Storage (LDES) options for the energy markets	---	MUR DM 117/Edison - Technical and economic assessment of Long-Duration Energy Storage (LDES) options for the energy markets	Ammissione con riserva *
F505072	75,8	MUR DM 117/GI - Enhancing the energy efficiency of solar-water purification technology for green hydrogen production MUR DM 117/GI - Integration of solar-water purification technologies and electrochemical technologies for sustainable fuels and water purification	---	MUR DM 117/GI - Enhancing the energy efficiency of solar-water purification technology for green hydrogen production	---
F531263	75,7	ENEA - Multi-physics model and energy performance analysis of high pressure water electrolysis systems with anionic polymeric membrane technology	---	ENEA - Multi-physics model and energy performance analysis of high pressure water electrolysis systems with anionic polymeric membrane technology	---
F528131	75,5	MUR DM 118 - Modelling of laser-matter interaction for the sustainable energy production by nuclear fusion	---	MUR DM 118 - Modelling of laser-matter interaction for the sustainable energy production by nuclear fusion	Ammissione con riserva *
F525899	75,4	ENEA - Detailed in-operando analysis of SOFC operating with bio-syngas: evaluation of the simultaneous impacts of organic and inorganic contaminants	---	ENEA - Detailed in-operando analysis of SOFC operating with bio-syngas: evaluation of the simultaneous impacts of organic and inorganic contaminants	Precede per minore età Ammissione con riserva *
F378172	75,4	ENEA - Upscaling e ottimizzazione tecno-economica di tecnologie di upgrading e metanazione del biogas	---	ENEA - Upscaling e ottimizzazione tecno-economica di tecnologie di upgrading e metanazione del biogas	---
F531140	75,3	DENERG - Sustainable production routes for hard-to-abate industries	---	DENERG - Sustainable production routes for hard-to-abate industries	Precede per minore età Ammissione con riserva *
F513302	75,3	---	---	Ateneo	---
F380217	75	---	---	Ateneo	---

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User	Punteggio	Idoneità Borse Vincolate	Rinuncia borse	Assegnato	Note
F509694	74,5	---	---	---	Ammissione con riserva *
F528843	74,3	---	---	---	---
F463783	72,8	PNRR - Techno-economic and environmental analysis of the role of low-carbon fuels in the design of future energy systems	---	PNRR - Techno-economic and environmental analysis of the role of low-carbon fuels in the design of future energy systems	Ammissione con riserva *
F462829	69,1	DM 117/ENI - Design and optimization of Triply Periodic Minimal Surfaces as heat sinks for the cooling of high heat-flux components in fusion reactors	---	DM 117/ENI - Design and optimization of Triply Periodic Minimal Surfaces as heat sinks for the cooling of high heat-flux components in fusion reactors	Ammissione con riserva *
F505537	67,5	MUR DM 117/Stellantis - Analysis on components/systems and LCA on cells for EV batteries	---	MUR DM 117/Stellantis - Analysis on components/systems and LCA on cells for EV batteries	---
F526186	65,8	PNRR - Innovative processes and materials for long-term thermal energy storage	---	PNRR - Innovative processes and materials for long-term thermal energy storage	---
F525301	65,2	MUR DM 117/AddFor - Innovative solutions for the smart control of electrified Connected and Autonomous Vehicles (CAVs)	---	MUR DM 117/AddFor - Innovative solutions for the smart control of electrified Connected and Autonomous Vehicles (CAVs)	---
F446291	65	MUR DM 117/Punch - NUMERICAL INVESTIGATION OF H2-AIR MIXTURE FORMATION IN INNOVATIVE GREEN-HYDROGEN DIRECT-INJECTION ENGINES	---	MUR DM 117/Punch - NUMERICAL INVESTIGATION OF H2-AIR MIXTURE FORMATION IN INNOVATIVE GREEN-HYDROGEN DIRECT-INJECTION ENGINES	---
F530442	63,4	MUR DM 117/Westinghouse - Advanced Uncertainty Quantification and Propagation Analysis to Support Lead Fast Reactor Development	---	MUR DM 117/Westinghouse - Advanced Uncertainty Quantification and Propagation Analysis to Support Lead Fast Reactor Development	Ammissione con riserva *
F466311	60	ALSTOM - The new challenge of hydrogen: from production to use and its performance	---	ALSTOM - The new challenge of hydrogen: from production to use and its performance	Ammissione con riserva *

I/le candidati/e vincitori/vincitrici di un posto, già in possesso di tutti i requisiti di ammissione (vedi art. 6 comma 1 del bando di concorso) alla data del 30/09/2023, devono provvedere all'immatricolazione on-line attraverso la procedura Apply dal 2 ottobre 2023 all'8 ottobre 2023 e devono presentarsi presso gli uffici del Nucleo Dottorato di Ricerca per la seconda fase dell'immatricolazione dal 9 ottobre 2023 al 20 ottobre 2023.

I/le candidati/e vincitori/vincitrici di un posto, in possesso di tutti i requisiti di ammissione (vedi art. 6 comma 1 del bando di concorso) alla data del 31/10/2023, devono provvedere all'immatricolazione on-line attraverso la procedura Apply dal 2 novembre 2023 all'8 novembre 2023 e devono presentarsi presso gli uffici del Nucleo Dottorato di Ricerca per la seconda fase dell'immatricolazione dal 9 novembre 2023 al 15 novembre 2023.

I/le vincitori/vincitrici di posti con borsa ai sensi del DM 117 e del DM 118 dovranno procedere all'immatricolazione secondo le tempistiche che saranno comunicate direttamente agli interessati dal Nucleo Dottorato di Ricerca, al fine di adempiere agli obblighi di rendicontazione previsti dagli stessi DM.

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CANDIDATI/E IDONEI/E

Nessuno/a.

Descrizione campo note:

* Ammissione sotto condizione in quanto il titolo di II livello non risulta ancora acquisito. L'eventuale immatricolazione al dottorato potrà avvenire solo se tale titolo risulterà acquisito entro il **31/10/2023**, pena l'irrevocabile perdita del diritto di immatricolazione.

** Ammissione sotto condizione in quanto la certificazione di inglese necessaria per l'iscrizione al dottorato di ricerca non risulta ancora acquisito.
L'eventuale immatricolazione al dottorato potrà avvenire solo se il candidato presenterà, **entro e non oltre il 31/10/2023**, uno dei certificati indicati dall'art. 6, comma 1, lettera b) del bando di concorso, pena l'irrevocabile perdita del diritto di immatricolazione.

Torino, 14/09/2023