



POLITECNICO
MILANO 1863

TRACCIA N° 1

Il candidato descriva quale impostazione (metodologie da utilizzare, attori da coinvolgere) darebbe ad una ricerca finalizzata a quantificare il valore dei pagamenti digitali in Italia – inteso come il valore dei pagamenti basati su carte di pagamento, siano esse fisiche o virtualizzate all'interno di uno smart device e utilizzate online o in un negozio fisico –, alla luce della crescita di questo fenomeno, dei cambiamenti normativi messi in atto, anche a livello europeo, per incentivare questo settore e del ritardo dell'Italia rispetto alla media europea.



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TRACCIA N° 2

Il candidato descriva quale impostazione darebbe alla progettazione dei contenuti di ricerca e alla pubblicazione degli stessi sui diversi canali per creare cultura e diffondere conoscenza sul tema "Smart City", con l'obiettivo della loro più ampia diffusione presso la community delle Pubbliche Amministrazioni italiane (Comuni, Regioni, ecc.).



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TRACCIA N° 3

Il candidato descriva quale impostazione darebbe alle attività di ricerca e gestione (target/ambito, azioni di ingaggio, attività di gestione delle relazioni, ...) delle aziende finanziatrici di una ricerca in ambito Innovative Payments e Smart City. Il candidato inoltre ipotizzi quali metodi adotterebbe per il coordinamento e la gestione delle risorse (tecniche e umane) impiegate sulla ricerca.



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Prova orale n. 1

Domanda n° 1

Quali sono i compiti e le responsabilità del Responsabile della prestazione e del Responsabile della Struttura ai sensi del vigente Regolamento delle prestazioni per conto di terzi.

Domanda n° 2

Quali sono gli organi di supporto del Dipartimento e che funzioni hanno.

Testo inglese da leggere e tradurre

Politecnico di Milano is a public scientific-technological University which trains engineers, architects and industrial designers.

Mission

Politecnico di Milano is committed to achieving excellence in research. The path towards excellence is developed along the following actions: support advanced and fundamental research activities; develop strategic partnerships with academia and industry around the world to make significant contributions to society; develop new interdisciplinary research lines to tackle societal challenges; embed scientific developments and research results into university education. The Departments of Politecnico di Milano are responsible for the implementation of the mission in their scientific domains.

In 2015 the European Commission granted the Politecnico di Milano the HR EXCELLENCE IN RESEARCH recognition.

Policy

Open Access

Politecnico di Milano promotes the principle of Open Access, in compliance with the terms of its own statutes, which state that "Politecnico di Milano promotes full and open access to knowledge and the free circulation and widest possible distribution, including digitally, of educational, cultural and organisational content" (article 4) and as defined in the Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities of October 2003, signed by Politecnico with the signing of the Messina Declaration of 2004. The principle of Open Access aims at strengthening international dissemination of scientific research; at reducing duplication of scientific studies; at reinforcing interdisciplinary research, transfer of knowledge to companies and transparency to the public; at making the use of scientific contributions more effective for educational ends; at guaranteeing preservation of scientific production over time.



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Prova orale n. 2

Domanda n° 1

Quali sono i contenuti essenziali che deve avere un contratto ai sensi del vigente Regolamento delle prestazioni per conto di terzi.

Domanda n° 2

Quali sono le funzioni della Giunta di Dipartimento.

Testo inglese da leggere e tradurre

The current structure

The campuses

In 1987 the territorial diffusion process of the University began, the Politecnico Network, which led to the opening of the regional campuses of Como (1987, active until 2018) and Lecco (1989) and of the regional facilities in Cremona (1991), in Mantova (1994) and in Piacenza (1997), with the aim of establishing a more direct relationship with the students and interacting with the community's local businesses.

In the Bovisa area of Milan, where various disused warehouses and old gas tanks were found, starting in 1989 a university campus emerged with the new Schools of Civil Architecture, Design, and Industrial Engineering and some of the most advanced and innovative laboratories in Europe: the Wind Tunnel, for the development of research in the field of fluid dynamics, the Transportation Security Laboratory, where spectacular crash tests are performed, in addition to the Design Laboratories.

In 2021, the new Architecture campus designed by Renzo Piano in the area of via Bonardi was inaugurated in Milan Leonardo, which has led to an increase in open and study spaces available to students and an improvement in the environmental quality through the creation of extensive green spaces.

The new university structure and internationalisation

Politecnico was one of the first Italian universities to implement the reform of the university system, which led to the "three plus two" education structure with Bachelor of Science and Master of Science programmes.

Beginning with the academic year 2000-2001 bachelor's programmes were grouped into schools, based on their areas of interest. Each year Politecnico offers numerous Master Degrees (first and second level) and PhD research courses on a wide range of subject areas and disciplines in the fields of Engineering, Architecture and Design. Since the academic year 2000-2001 the institution has also set up a bachelor's programme in Computer Engineering online, the first of its kind in Italy.