

SCIENTIFIC COMMITTEE

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Hospital Los Madroños

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École Polytechnique Fédérale de Lausanne,
Translational neuroengineering Laboratory

FEEDBACKS

The first edition of the Master took place from September 2020 to October 2021. Here are some impressions and experiences of former students:

“ After the end of the Ph.D., it is inevitable to have gradually less time for "collateral study", i.e. the one that touches topics close to our ongoing research, but at that time not concretely related to it. Enrolling in RehabTech gave new life to my "collateral study", allowing me to think about innovative ideas.

“ The synergy between theoretical, clinical, and technological aspects is essential: we need technicians with clinical-technological skills, clinicians with theoretical-technological skills, and technicians with theoretical-clinical skills. However, we must not distort or cancel the peculiarities of each one.

“ I am a researcher working in an IRCCS and a university: undertaking my future challenges without the close synergy with a technical environment would be limiting. I am convinced that the network created thanks to the master can drive these future challenges.

CONTACTS



master-rehabtech@polimi.it



www.rehabtech.polimi.it



RehabTech



Polo Territoriale di Lecco,
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23900, Lecco



**POLITECNICO
MILANO 1863**

I AND II LEVEL MASTER
IN

REHABTECH

TECHNOLOGIES FOR INNOVATION
IN REHABILITATIVE MEDICINE
AND FOR ASSISTANCE

In partnership with



Italian National
Research Council



Directors

Prof. Alessandra Pedrocchi
Prof. Maria Chiara Carrozza
Dr. Franco Molteni

SPONSORSHIP

UNIVERLECCO

SCIENTIFIC ENDORSEMENT



LEARNING OBJECTIVES

Clinical skills are increasing their need for **technology-related knowledge**, and the world of medicine is characterized by a great technological challenge. The association of technological and medical skills represents an important frontier of higher education.

The goal of this Master is to create a school able to provide **transdisciplinary skills** to the most relevant players in the field of technologies for rehabilitation, home care, and empowerment of disabled and fragile people.

PROGRAM DESCRIPTION

The proposal of this Master is to integrate a group of professional figures with different backgrounds into a classroom and **to build common knowledge** and a comprehensive full-fledged understanding of the problems and challenges related to the **real integration of technologies in the rehabilitation clinic** and in the management of the continuity of care and social inclusion.

CONTENTS

State-of-the-art and emerging technologies in rehabilitation will then be presented with their principles of operation, current applications, and possible future developments.

Topics include, but are not limited to :

- motor performance analysis,
- robotics and soft robotics ,
- neuroprosthetics,
- virtual and augmented reality,
- clinical trial design,
- clinical and industrial translation.

For a more detailed program, visit the home page of our website www.rehabtech.polimi.it

ADMISSIONS AND AWARDED TITLE



Send your application form at:

Polo Territoriale di Lecco – Politecnico di Milano
master-rehabtech@polimi.it

before the **21/10/2022**.

TITLES

- Students admitted with **Master of Science** in Engineering, Economics, Medicine and surgery (School of Medicine), Physiotherapy, Psychology, Rehabilitation Technologies will be awarded the **II level post-graduate Master in RehabTech**
- Students admitted with **Bachelor of Science** in Engineering, Economics, Rehabilitation Technologies will be awarded the **I level post-graduate Master in RehabTech**

A certification of knowledge of the English language is mandatory.

Visit www.rehabtech.polimi.it for more information about admissions, and scholarships and discounted rates.

Are you a **PhD student** or a **post-graduate medical trainee**? Visit our website to discover the **Specializing Program** activated in parallel to the Master.

FEES

Registration fee:	€ 500,00
Participation fee:	€ 5.500,00
Payments:	
• 1st installment:	€ 2.500 by 02/11/2022
• 2nd installment:	€ 2.500 by 03/03/2023
• 3rd installment:	€ 1.000 by 01/06/2023

CAREER OPPORTUNITIES

- High profile roles in rehabilitation clinics
- High profile roles in rehabilitation services
- High profile roles in medtech industries
- Investors in medtech
- Researchers and innovation managers

PROGRAM STRUCTURE



November 2022 – April 2024

8 online modules

One day of lectures, case discussions, and group work in virtual classroom.



4 on-site modules

Three full days (Thursday-Saturday) of lectures, round tables, laboratory activities, visits to laboratories, rehabilitation centers, or companies.



PROJECT WORK

The Master is completed with a final project work, done in small groups, followed by a tutor. It will involve the use of new technologies in rehabilitation, and the definition of translational research protocols for innovation program for target from one of the partner institutions such as clinical centers, start-ups, investment funds, or research laboratories.

ECTS CREDITS 60