

PhD Programme in “Mechanical Engineering”

The PhD programme in “Mechanical Engineering” offers 22 positions (of which 19 fully funded with scholarships) for the 39th PhD cycle at Politecnico di Milano. All scholarships cover three years of study and research.

The table below summarizes the scholarships issued in the present call.

Please notice that, in order to be eligible for any of the scholarships, you must (in the registration process) declare that you intend to compete for a scholarship (see also sections 6.4 and 7.6 of the [Quickstart](#) manual).

#	Type	Research Topic	Granting Institution
1	Open Subject	<i>“Mechanical Engineering”</i>	Italian Ministry of University and Research Politecnico di Milano
2	Thematic	<i>“ADVANCED MODELLING AND TESTING OF MATERIALS AND STRUCTURES FOR MACHINE DESIGN”</i>	Italian Ministry of University and Research Politecnico di Milano
3	Thematic	<i>“COOPERATIVE CONNECTED AND AUTOMATED MOBILITY”</i>	Italian Ministry of University and Research Politecnico di Milano
4	Thematic	<i>“DIGITAL TRANSFORMATION IN INDUSTRIAL ENGINEERING”</i>	Italian Ministry of University and Research Politecnico di Milano
5	Thematic	<i>“FROM SCRAP TO ULTRACLEAN ALLOY”</i>	Italian Ministry of University and Research Politecnico di Milano
6	Thematic	<i>“GRADED MULTIFUNCTIONAL METALLIC AND HYBRID MATERIALS”</i>	Italian Ministry of University and Research Politecnico di Milano
7	Thematic	<i>“DEVELOPMENT OF AN INTELLIGENT ACTUATED SECOND SKIN FOR HUMAN EMPOWERMENT”</i>	Italian Ministry of University and Research Politecnico di Milano
8	Thematic	<i>“PDE OPTIMIZATION OF ROBOT SWARMS FOR ACOUSTIC INVISIBILITY CLOAK”</i>	Italian Ministry of University and Research Politecnico di Milano
9	Thematic	<i>“DESIGN, DEVELOPMENT AND QUALIFICATION OF ADVANCED MEASUREMENT SYSTEMS”</i>	Italian Ministry of University and Research Politecnico di Milano

10	Thematic	“MANUFACTURING AND DEMANUFACTURING PROCESSES AND SYSTEMS”	Italian Ministry of University and Research Politecnico di Milano
11	Thematic	“ADVANCED, SMART, AND SUSTAINABLE MANUFACTURING”	Italian Ministry of University and Research Politecnico di Milano
12	Thematic	“ADVANCED, SMART, AND SUSTAINABLE MANUFACTURING”	Italian Ministry of University and Research Politecnico di Milano
13	Thematic	“ADDITIVE MANUFACTURED HETEROGENEOUS MATERIALS OBTAINED WITH COLD SPRAY”	Department of Mechanical Engineering
14	Thematic	“UNRAVELING DAMAGE EVOLUTION IN BIO-INSPIRED MATERIALS: AN INTERDISCIPLINARY MULTI-SCALE STUDY FOR ENHANCED MECHANICAL DESIGN”	Department of Mechanical Engineering
15	Thematic	“ADVANCED COATINGS AND ALLOYS”	Department of Mechanical Engineering
16	Thematic	“DEVELOPMENT AND QUALIFICATION OF MEASUREMENT SYSTEMS FOR HUMAN-CENTERED APPLICATIONS”	Department of Mechanical Engineering
17	Thematic	“DEVELOPMENT OF INSTRUMENTS FOR SPACE EXPLORATION”	Department of Mechanical Engineering
18	Thematic	“CFD SIMULATIONS OF ADDITIVE PROCESSES FOR RECYCLED CFRP”	Department of Mechanical Engineering
19	Interdisciplinary Thematic	Industry 4.0: “TAILORED PIEZOELECTRIC MATERIALS AND OPTIMALLY DESIGNED METAMATERIALS FOR ENHANCED MECHANICAL ENERGY HARVESTING” In collaboration with the PhD programme in “Structural Seismic and Geotechnical Engineering”	Politecnico di Milano

For further information about the Open Subject scholarships please visit the [Open Subject Scholarships webpage](#)

For further information about the Thematic scholarships please visit the [Thematic Scholarships webpage](#)