

## PhD Programme in “Electrical Engineering”

The PhD programme in “Electrical Engineering” offers **9** positions (of which **7** fully funded with scholarships) for the 36<sup>th</sup> PhD cycle at Politecnico di Milano. All scholarships cover three years of study and research.

The main objective of the PhD Program is to allow a direct, prompt and efficient involvement of PhD graduates in academic and non-academic research and development bodies. A PhD in Electrical Engineering has a solid basic knowledge of applied mathematics and physics. This is essential, particularly for handling and understanding advanced tools and methods as well as for proper modelling, analysis and design of electrical engineering applications, with particular regard to power applications. A PhD in Electrical Engineering well knows methods and applications in the main disciplines of Basic Electric Circuits and Fields, Power Systems, Electrical and Electronic Measurements, Converters, Machines and Electrical Drives.

The present call includes the following scholarships:

#	Type	Research topic	Granting Institution
1	Generic	<i>“Electrical Engineering”</i>	Italian Ministry of University and Research Politecnico di Milano
2	Generic	<i>“Electrical Engineering”</i>	Italian Ministry of University and Research Politecnico di Milano
3	Generic	<i>“Electrical Engineering”</i>	Italian Ministry of Research Politecnico di Milano
4	Generic	<i>“Electrical Engineering”</i>	Department of Energy
5	Interdisciplinary	Smart Cities: <i>“Lithium Batteries: Modeling, Testing and Application”</i> (in collaboration with the PhD Program in “Materials Engineering”)	Politecnico di Milano
6	Topic	<i>“Islanded Micro Grids”</i>	ABB

The following scholarship will be included in the grant in late May. Candidates who participate to the call will be invited to option this scholarship through the online procedure by mid-June.

#	Type	Research topic	Granting Institution
7	Topic	<i>“Predictive Methods for Soc and Ageing Estimation of Storage Systems and Their Integration in EMS of Microgrids”</i>	Department of Energy

Please notice that, in order to be eligible for the scholarships, you must (in the registration process) declare that you intend to compete for a scholarship (see section 6.4 of the [Quickstart](#)), then from 12 to 19 June 2020 you must select the topic/interdisciplinary scholarships you want to apply (see section 7.6 of the [Quickstart](#)).

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

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