The PhD course in Information Technology (IT) is hosted at the Dipartimento di Elettronica, Informazione e Bioingegneria (DEIB) and is part of the Polimi PhD School. It offers advanced training and research activity in four main research areas: Computer Science and Engineering, Electronics, System and Control, Telecommunications. Inside these four research areas, several research sub-areas can be found at DEIB: computer system architectures; data, web, and society; artificial intelligence and robotics; advanced software architectures and methodologies; information systems; electron devices; smart microsensors and microsystems; electronic circuit design; single-photon detectors and applications; radiation detectors and applications; digital Systems; dynamics of complex systems; planning and management of environmental systems; operations research and discrete optimization; robotics and industrial automation; control systems; signal processing for multimedia and telecommunications; applied electromagnetics; networking; remote sensing; information transmission. (see http://www.deib.polimi.it/eng/research-lines, for details)

The PhD programme in IT provides to PhD students the opportunity to acquire strong and world-class professional expertise in several scientific and technological fields of IT.

Our mission is to provide advanced training and education to highly motivated and highly skilled students, that will be able to contribute to the advancement of IT research.

Our PhD program consists of courses and individually-guided research activities, that will allow the PhD candidates to develop research skills and competences on innovative IT topics; research activities’ outcomes are expected to reach the required quality to be recognized by the international research community.

Advanced courses offered by DEIB professors bring the attendants to the
frontiers of knowledge in those sectors where DEIB’s research is most active. These advanced courses are integrated by courses offered by the PhD School to develop important basic soft and hard skills. All these courses are mostly given at Leonardo Campus in Milan. It is also possible to participate to national and international technical summer schools.

Our PhD programme enrolls every year about 60 new students. Once admitted, each PhD student chooses a research advisor that will guide the research activity, and a professor of the Doctoral Board as tutor. The program lasts 3 years and, upon its successful completion and final exam, candidates will be awarded the title of PhD in Information Technology.

The chair of the PhD program in IT, and the vice-chairs for each research area at DEIB are reported below.

Chair: Prof. Barbara Pernici
Vice-chair for Computer Science and Engineering: Prof. Cristiana Bolchini
Vice-chair for Electronics: Prof. Angelo Geraci
Vice-chair for System and Control: Prof. Paolo Bolzern
Vice-chair for Telecommunications: Prof. Matteo Cesana

Please consider them as contact persons to explore PhD activities at DEIB.

The PhD degree in Information Technology opens career opportunities at the highest levels of scientific research in ICT and related areas. Depending on their interests and personal goals, students who have attained the PhD degree may opt for a career at university or in industry, both in Italy and abroad. Many of our past students are now active researchers in academic institutions, research centers, as well as high-tech companies worldwide. Some of them established their own companies, and some got into leading administrative and technical positions.

Moreover, each year Politecnico di Milano offers several postdoc positions supported by research projects.

PhD students in Information Technology can be granted three types of scholarships: i) governmental (n. 20 approx., yearly), ii) departmental, based on research project funds (n. 30 approx., yearly), iii) industrial (n. 3 approx., yearly).

In addition, most of the students without a scholarship are able to find financial support through the research projects active at DEIB.

For further information, please visit the following web site
www.dottorato.polimi.it/en/phd/IT or contact the PhD School of Politecnico di Milano at phdschool@polimi.it.

For further information on specific courses and curricula, contact the IT doctorate office at phd-inf@polimi.it