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Politecnico di MILANO >> Sua-Rd di Struttura: "Elettronica, Informazione e Bioingegneria"

Parte III: Terza missione

QUADRO I.0	I.0 Descrizione generale delle attività di terza missione

DEIB has longstanding tradition of collaborations with leading companies: private sources play a significant (and increasing) role in DEIB's research funding. Longterm strategic alliances with industries, both in the ICT, EEE and Bio Engineering fields and in various application domains of interest, are fostered through joint research and development activities, joint participation to public research programs, joint patenting, and training activities.

Indeed, one of the aims of the department's activity is to transform research results into realworld innovation, supporting and contributing to the advancement of processes of industries, public administrations, and the society in general, by understanding needs and problems, analyzing and interpreting market opportunities and challenges, identifying technological trends and directions, providing expertise and methods to design and develop disruptive solutions.

This complex activity is developed by taking into account the intrinsic characteristics and constraints of innovation processes, including speed, market impact, technology transfer, human capital, and organizational development. To cope with these issues and boost technology transfer, DEIB will also exploit the partnership with CEFRIEL (established in 1988) and with the spinoffs and startups that have been created over the last years. In turn, the results and experiences derived from innovation projects play a crucial role in continuously feeding the stream of research problems addressed by the department's researchers.
In particular, in the ICT and EEE areas, the involvement is especially addressed towards a mediumtoshortterm research focusing mainly on those projects that transfer cuttingedge research results into improved products and services. Due to the evolving nature of information technology, the transfer from research results to innovation is a very fast process and thus such bridging has excellent potential of generating technological solutions of relevant impact, leading to spinoffs, startups and product innovation.
The DEIB's commitment to applied research ,technology and knowledge transfer is also evidenced by a large number of well-recognized facilities, in the ICT and EEE field.

In the field of bioengineering, technology transfer is a two-step process: first there is the clinical translation and, second, the real transfer to industry of commercial products. Translational research is the research process that investigates and translates nonclinical research results into clinical applications and tests their safety and efficacy as well as the needs, acceptability, and effectiveness of the application of new technologies in a patientdriven environment, and cost efficiency in ecological settings. To boost these
challenges, most of the activities dedicated to translational research have been carried out in strict collaboration with industries, which then complete the eventual commercialization.

Per completezza si precisa infine che le seguenti attività di III Missione non sono pertinenti alle caratteristiche del nostro Ateneo:
- Privative vegetali,
- Poli museali,
- Trial clinici,
- Centri di ricerca clinici e bio-banche,
- Attività di educazione continua in Medicina,
- Curricula co-progettati.
- Parchi scientifici.

Inoltre, l'ambito disciplinare in cui opera il DEIB rende meno rilevanti le attività inerenti gli Scavi archeologici.