



POLITECNICO
MILANO 1863

DIPARTIMENTO DI
INGEGNERIA GESTIONALE

DIG PhD scholarship

Title	Leading Industry 4.0 innovation
Theme	Digitalization is bringing dramatic changes to the way companies compete, opening up a huge number of opportunities. As any pervasive innovation, it enables changes in any field, and in many different directions, there is therefore a strong need for a guidance in selecting the investments of companies, and in directing the evolution of technology. In particular it is interesting to investigate how to integrate digitalization with Lean management, i.e. the most important organizational innovation of the last 100 years. In fact, recent studies have shown a synergetic effect between the two innovations. At a strategic level, it would be extremely useful to derive from Lean management guidelines on what are the most important needs that digitalization should satisfy, and therefore the possible evolution of technology development, and guidelines for companies and their managers on what investments in digitalization to do, and for what reason, going beyond the simplistic return on investment, and including issues as improving people capabilities to innovate and solve problems, improving employees satisfaction, increasing growth and market share
DIG professors involved	Alberto Portioli Staudacher, Matteo Rossini
International collaborations	Saïd Business School Oxford; Kuehne Logistics University; University of Melbourne