



**POLITECNICO**  
MILANO 1863

DIPARTIMENTO DI  
INGEGNERIA GESTIONALE

## DIG PhD scholarship

<b>Title</b>	<b>Sustainability oriented Innovation in supply chains and enterprise networks</b>
<b>Theme</b>	<p>Sustainability oriented Innovation is becoming a key driver of Sustainable Development, that is today one of the key priorities for companies to compete with a long term perspective. At the same time, Supply Chains play a fundamental role in terms of Sustainable Development: they may be a source of major problems and negative impacts, on both the society and the environment, or they may become a key contributor to sustainability. Thus, Sustainability oriented Innovation should be deployed at the Supply Chain level and the involvement and development of the supply network is one of the key factors to be taken into account. Moreover, the complex nature of sustainability challenges and the need to go beyond the mere reduction of unsustainable practices to rather target a system building approach, require Sustainability oriented Innovation to be developed in complex, cross-sector partnerships. These networks include a number of different actors, belonging both to the primary and secondary stakeholders, as well as non traditional partners for corporations, such as NGOs. Non profit organizations, social enterprises, born-sustainable new ventures, public bodies, etc. Within this context, technologies, and particularly the Digital Transformation, can have a significant impact on sustainability performance. This impact is both positive, when the enabling role is considered and the technology is appropriately managed, but could also be negative if the technological evolution is not governed according to sustainability principles.</p> <p>The aim of this stream of research is to explore the successful models of Sustainability oriented Innovation in the context of Supply Chains and complex enterprise networks. Sustainability Oriented Innovation drivers, enablers, consequences will be also explored, with a specific emphasis on technological innovations.</p> <p>This research stream combines multidisciplinary approaches and a wide set of research methodologies to develop appropriate guidelines for companies to face the challenge of sustainable development.</p>
<b>DIG professors involved</b>	Stefano Ronchi, Federico Caniato, Christine Harland, Antonella Moretto, Veronica Leon Bravo, Raffaella Cagliano
<b>International collaborations</b>	Massachusetts Institute of Technology (MIT), Fraunhofer Institute, Pennsylvania State University, ESADE, EADA Business School, Audencia Business School, Rotterdam School of Management, University College Dublin, Warwick University