



PhD in INGEGNERIA GESTIONALE / MANAGEMENT ENGINEERING - 37th cycle

**Thematic Research Field: INVESTIGATING THE ROLE OF TECHNOLOGY AND INNOVATION
FOR INCLUSIVE GROWTH**

Monthly net income of PhDscholarship (max 36 months)

€ 1400.0

In case of a change of the welfare rates during the three-year period, the amount could be modified.

Context of the research activity

**Motivation and objectives of the research
in this field**

Despite the increasing public and academic interest in the field of social innovation, this persists both as a transdisciplinary and a highly contested concept. In such a context of scarce formalization, the interlink between technological and social innovation is increasingly debated in the academic and the practitioner community as a powerful contributor to sustainable and inclusive development, also following the pandemic crisis which has shown the relevance of the societal impacts of science, technology and innovation.

Such an going contemporary background is urgently asking for an in-depth research effort addressed to the analysis of the social attributes of technological innovations and at the same time of the contributions of innovators to the conceive inclusive trajectories of technological development.

In this perspective, this research project aims to identify and analyse inclusive tech-innovations. To do this the research will exploit multiple data sources (e.g. social network data, patent database...) coupled to primary data collection (e.g. surveys), to rigorously map "socio-tech" innovations and to investigate the attributes and the behaviors of actors engaged in ecosystems of social and technological innovation. This will allow to provide evidence for a policy agenda that is best suited to support social-tech innovative enterprises along their evolutionary path and for a deep understanding of the main managerial challenges faced by social and technologically innovative



	entrepreneurship.
Methods and techniques that will be developed and used to carry out the research	The research design will combine mixed quali-quantitative methods and machine learning approaches. In particular, the PhD Student will carry out a comprehensive literature review, develop appropriate theoretical and analytical instruments. The PhD student will apply machine learning techniques and algorithms suitable to the formalization of the concept of social-tech innovations and entrepreneurship.
Educational objectives	Beyond developing an understanding of inclusive tech innovation, its technological and managerial attributes, the candidate will acquire competences concerning research methodologies and academic research. Thanks to the activities conducted during the PhD, he/she will also be able to build his/her research network, learn how to interact with the scientific community and with leading companies and institutions in the field.
Job opportunities	At the end of the PhD, the candidate will have the opportunity to access different job opportunities. He/she will be able to remain in academia working as a post-doc; apply for a position in enterprises, consultancy firms or institutions interested to the distinctive data intensive competences and network of contacts developed during the PhD.
Composition of the research group	1 Full Professors 1 Associated Professors 1 Assistant Professors 6 PhD Students
Name of the research directors	Mario Calderini e Irene Bengo

Contacts	
<i>Mario.calderini@polimi.it</i>	
<i>Irene.bengo@polimi.it</i>	

Additional support - Financial aid per PhD student per year (gross amount)	
Housing - Foreign Students	--
Housing - Out-of-town residents	--



(more than 80Km out of Milano)	
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Scholarship Increase for a period abroad	
Amount monthly	566.36 €
By number of months	6

Additional information: educational activity, teaching assistantship, computer availability, desk availability, any other information
<p>The selected PhD Student will be offered the opportunity to develop teaching capabilities through the involvement as teaching assistant in one/two of the courses chaired by the Professors affiliated to the research group, also according to her/his attitude and interests. There will be also the opportunity to be involved in the development of new educational programs both at the Master of Science level and the post-graduate level (jointly with MIP Graduate School of Business).</p> <p>Funding for educational activities: 1st year: 1200 euros per student, 2nd year: 1200 euros per student, 3rd year: 1200 euros per student.</p> <p>Teaching assistantship: There are various forms of financial aid for activities of support to the teaching practice. The PhD student is encouraged to take part in these activities, within the limits allowed by the regulations.</p> <p>Desk availability: shared use</p> <p>Computer availability: individual use</p>