



PhD in ARCHITETTURA, INGEGNERIA DELLE COSTRUZIONI E AMBIENTE COSTRUITO / ARCHITECTURE, BUILT ENVIRONMENT AND CONSTRUCTION ENGINEERING - 38th cycle

PARTENARIATO PNRR Research Field: 4.0 TECHNOLOGIES AND SOCIO-ECONOMIC INEQUALITIES IN THE BUILT ENVIRONMENT

Monthly net income of PhDscholarship (max 36 months)

€ 1275.0

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

The aim of the research is to analyse the impact of digital transition on regional competitiveness, employment and income inequalities, i.e. to assess the socio-economic efficiency of built environment. The literature debate suffers from a semantic confusion around the definition of digitalisation and digital transition, largely motivated by the complexity and multifaceted nature of the phenomenon. Multiple conceptualisation and labels have proposed e.g. platform capitalism, sharing economy, collaborative consumption, multi-sided markets, or common-based peer production, just to mention some of them. This research aims at proposing a new conceptualisation based on the actors involved and the types of business models entailed by the new digital technologies. To achieve this aim, new indicators to measure digital technologies adoption will be developed and applied to the Italian and European regions. Based on a new conceptual and measurement approach, the aim of this research is to conceptually reflect on and empirically analyse the effects that the adoption of such technologies can have for regional labour markets, regional productivity, regional competitiveness and income and territorial inequalities.

The research work is part of the PNRR Measure



	<p><i>"Partenariati estesi" and specifically in PE9 - Growing Resilient, INclusive and Sustainable (funded by the Italian Government, MEF - Ministry of Economy and Finance).</i></p> <p><i>PE9 - GRINS - PARTENARIATO ESTESO Growing Resilient, INclusive and Sustainable (CUP: D43C22003110001)</i></p> <p><i>D.D. 341 del 15/03/2022 Avviso pubblico per la presentazione di Proposte di intervento per la creazione di "Partenariati estesi alle università, ai centri di ricerca, alle aziende per il finanziamento di progetti di ricerca di base" - nell'ambito del Piano Nazionale di Ripresa e Resilienza, Missione 4 "Istruzione e ricerca" - Componente 2 "Dalla ricerca all'impresa" - Investimento 1.3, finanziato dall'Unione europea - NextGenerationEU</i></p> <p><i>Decreto di concessione: D.D. 1558 del 11/10/2022</i></p>
Methods and techniques that will be developed and used to carry out the research	The empirical analyses will be based on statistical and econometric data estimation, as well as simulation procedures and data envelop (non-parametric) analyses.
Educational objectives	<ul style="list-style-type: none"> •Quantitative research methods based on statistic and econometric techniques and tools •Database construction and management •Economic analysis and interpretation •Communication and writing skills
Job opportunities	<ul style="list-style-type: none"> •Academic career •Research centres •International institutional bodies/agencies •Public administration
Composition of the research group	1 Full Professors 3 Associated Professors 1 Assistant Professors 2 PhD Students
Name of the research directors	Prof. Roberta Capello and Camilla Lenzi

Contacts
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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)	--

Scholarship Increase for a period abroad	
Amount monthly	637.5 €
By number of months	6

Additional information: educational activity, teaching assistantship, computer availability, desk availability, any other information

Additional information can be found in the Regulations for the 38th Cycle of ABC-PhD: please ask to the ABC-PhD Office (dottorato-dabc@polimi.it)

Additional information about ABC department and ABC-PhD programme:
available at link:
<https://www.dabc.polimi.it/>

Additional support for the research activity:
a total amount of 5.197,62 Euros per student, available since the first year, to be spent according to the department rules.

Desk availability:
the ABC department provides non-permanent desks to be temporarily booked in common PhD rooms.