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Supervisor Expression of Interest MSCA - Marie Sklodowska Curie Action - (PF) Postdoctoral Fellowship 2023

Supervisor name: Cristina Rossi, co-supervisor Carolina Pacchi

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Link “Pagina docente”:

Cristina Rossi:

https://www8.ceda.polimi.it/manifesti/manifesti/controller/ricerche/RicercaPerDocenti.do?jaf_currentWFID=main&EVN_DIDATTICA=evento&aa=2022&k_doc=268117&lang=IT

Carolina Pacchi:

https://www4.ceda.polimi.it/manifesti/manifesti/controller/ricerche/RicercaPerDocentiPublic.do?EVN_PRODOTTI=evento&k_doc=119224&polij_device_category=DESKTOP&_pj0=0&_pj1=15c5ad5ed0231837a3d2abc2c395b28f

Department Name:

Department of Management, Economics, and Industrial Engineering (DIG)

Research topic:

MSCA-PF Research Area Panels:

X ECO_Economic Sciences

- ENG_Information Science and Engineering
- ENV_Environmental and Geosciences
- LIF_Life Sciences
- MAT_Mathematics
- PHY_Physics

X SOC_Social Sciences and Humanities

- CHE_Chemistry

Brief description of the Department and Research Group (including URL if applicable):

The candidate will work at the intersection of **economics** (Department of Management, Economics and Industrial Engineering (DIG), EFI group, www.efi.polimi.it) and **urban planning design and policies** (Department of Architecture and urban studies - DASTU).

Information about DASTU are available here: www.dastu.polimi.it



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The Department of Management, Economics, and Industrial Engineering (DIG) of Politecnico di Milano was established in 1990. Its mission is to have a positive impact on society by creating and sharing knowledge at the crossroads between engineering, management, and economics. To this end, it engages in outstanding research, high quality education, and service to the community. Specifically, DIG pursues scientific excellence by adopting a tailored approach which relies on multi-disciplinarity, diverse methodologies, and intense connections with practitioners and policymakers. With approximately 140 professors, DIG is one of the largest departments of Politecnico di Milano.

More information can be found at: <https://www.som.polimi.it/en/>

DIG HumanTech program has been selected and funded by the Ministry of University and Research (MUR) for the period 2023-2027 within “Dipartimenti di Eccellenza” (Law 232/2016), the ministerial initiative aimed at rewarding the departments that stand out for the quality of their research and at financing specific development projects.

In particular, the objective of HumanTech is to redefine the relationship between technology and human beings so as to enable a sustainable digital transition of industrial systems. The project aims to propose new models and processes for the development and adoption of technologies, capable of accelerating the transition towards sustainable, inclusive industrial systems that make individual and collective well-being a priority.

TITLE of the project: Women’s and space: interdisciplinary perspective

Brief project description:

An ample and lively **scientific and practice-oriented debate** exists about the **obstacles** that **still hamper women** from getting equal opportunities in business contexts and, ultimately, in the **society**. Numerous studies document female penalties in earnings (the so-called *gender-pay gap*), wealth, healthcare, and product design, to name a few. These studies recognize that societies are **androcentric systems** forged “*by men for men*”; in these systems, “*the man is the norm, while the woman is the exception.*” Multiple disciplines (*e.g.*, economics, sociology, social psychology, anthropology) have explored the **antecedents** of this androcentric perspective; indeed, androcentrism is a multifaced phenomenon that calls for interdisciplinarity. Evidence exists that androcentrism roots in a **gendered division of labor**, in the **strength and persistence of gender stereotypes**, and in **how social structures** (*e.g.*, families) are organized. We still need to learn more about **the role of physical space** as an antecedent of **female penalties**.



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This project **aims to fill this gap** by combining competencies in urban planning and policy design, and economics. Specifically, we intend to address the following research issues:

1. Whether and how current **urban spaces are gendered**. In other words, do women “feel at ease” in availing of these spaces? If they do not, why?
2. What are **the consequences** of the alleged existence of **gendered urban spaces**? We are mainly interested in economic consequences. Indeed, space does matter in economic activities, ranging from funding **new firms** to enabling the growth of industries and ecosystems.
3. Whether and how **current urban policies** challenge the **aforementioned androcentric view**. Can an inclusive approach to urban planning overcome the adverse consequences of female penalties? How does it work?

To address these issues, we resort to **a mix of methods**, ranging from **qualitative analyses** (*e.g.*, assessment of extant urban policies) to **quantitative approaches** based on collecting and elaborating data from multiple sources (*e.g.*, mobile phones and biometric devices). In so doing, we aim to accumulate rigorous and relevant knowledge on the phenomenon under investigation.

We intend to focus on the Milanese metropolitan to facilitate **data collection** and dialogues with **relevant stakeholders** (*e.g.*, the councilor for urban planning, the neighboring communities, and the local women’s associations). In so doing, we aim to **create synergies with the MUSA project** financed by the PNRR.