



**Dipartimento
Meccanica
Matematica
Management**

MUR
Dipartimento
di Eccellenza
2018-2022
2023-2027

CALL FOR EXPRESSION OF INTEREST FOR MSCA POSTDOCTORAL FELLOWSHIPS AT POLITECNICO DI BARI

Research project

Nome and Surname: Ilaria Giannoccaro, Giovanni Francesco Massari

Title: Designing viability of circular supply chains through smart technologies

Description: The research aim concerns the formulation of novel strategies to improve the viability of circular supply chains, based on the exploitation of smart technologies. Specifically, the post-doc researcher will have to develop a Digital Twin Simulation tool to create a virtual representation of the circular supply chain and simulate its dynamic behavior in different scenarios. Scenarios will be defined to take into account the different disruptions occurring on circular supply chains and drivers for viability. The tool will be validated on real-world circular supply chains. Numerical simulations will be carried out and the results will be used to formulate novel strategies for improving the viability of the circular supply chain.

Candidates should provide detailed CV

Candidates must be eligible according to the criteria established by the 2026 MSCA Postdoctoral fellowship call:

- to have a PhD by the call deadline.
- to have up to 8 years of research experience after PhD.
- to be citizens of an EU State or of an Associated Country.
- not to have resided or carried out their main activity in Italy for more than 12 months in the 36 months before the call deadline.

Contacts

Ilaria Giannoccaro: ilaria.giannoccaro@poliba.it

Giovanni Francesco Massari: giovannifrancesco.massari@poliba.it