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MILANO 1863

DIPARTIMENTO DI
INGEGNERIA GESTIONALE

DIG PhD scholarship

Title	Re-designing Research Funding in the post COVID-19 era for High-Risk Transformative Science
Theme	<p>The Recovery and Resilience Plan (RRP) promoted by the EU in response to the COVID-19 emergency has substantially increased the public investments in Research and Development. These investments will have to unlock long-term economic growth and foster sustainable social development. The ability to identify, select and distribute the funding to research projects that may have a strong transformative potential, despite being high-risk, is therefore critical. Unfortunately, the rules and procedures currently adopted by funding agencies are based on traditional patterns of thought and practice that may arguably not be adequate to the aim. There is an urgent need to re-design and test the rules and procedures for evaluating and selecting high-risk transformative research. The research program is rich and requires quantitative analyzes of large databases and experimental methods based on the Economics of Science and on Decision Sciences. The research should also involve textual data analysis with AI-based algorithms.</p> <p>The research is conducted in collaboration with an international team of scholars who are working at Polimi and in the US, and in collaboration with colleagues in Scandinavian Countries (www.efi.polimi.it/chiara.franzoni).</p>
DIG professors involved	Chiara Franzoni, Massimiliano Guerini.
International collaborations	<i>Paula Stephan (Georgia State University and NBER, USA); Jared Gars (University of Florida); Anders Brostrom (KTH, Sweden); Rikke Nording-Christensen, Henrik Barslund Fosse (Novo Nordisk Foundation, Denmark).</i>