



POLITECNICO
MILANO 1863

DIPARTIMENTO DI
INGEGNERIA GESTIONALE

DIG PhD scholarship

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| Title | Structural change in techno-economic transitions compatible with climate safety |
| Theme | <p>Transition to a climate resilient society requires a fundamental transformation of our economic and technological systems. The majority of current assessment of the energy transition has neglected key path-dependencies in the way economic and technological systems evolve. These path-dependencies are however key in explaining the slow progress in reducing carbon emissions; they are also crucial for determining future equilibria which will ensure the stability of climate pacts.</p> <p>The aim of this scholarship is to study structural change in techno-economic transitions for attaining climate neutrality. The methods involve numerical modelling such as integrated assessment models and agent-based models. These models will be informed by theory of technical and economic progress and calibrated to available data and future scenarios.</p> <p>The scholarship will advance the analytical tools used by scientific review processes such as those of the Intergovernmental Panel on Climate Change (IPCC). The scholarship foresees strong collaboration with the analytical community working on model-based assessments of climate change policies.</p> |
| DIG professors involved | Massimo Tavoni |
| International collaborations | <i>Potsdam Institute for Climate, Resources for the Future, University of California Berkeley, University of Exeter</i> |